

Appendix K

Laboratory Analytical Data

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

2nd & Washington Street

JOB NUMBER

480-229829-1

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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: 2nd & Washington Street

Job ID: 480-229829-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
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.
S1+	Surrogate recovery exceeds control limits, high biased.
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 VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

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.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
F1	MS and/or MSD recovery 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.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
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Qualifiers (Continued)

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

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
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Job Narrative 480-229829-1

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 5/30/2025 6:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 12.5°C and 14.4°C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): RI-BH-3 MS (480-229829-12[MS]), RI-BH-3 MSD (480-229829-12[MSD]), RI-BH-8 Fill (480-229829-18) and RI-BH-8 Native (480-229829-19). The container labels list RI-BH-4 MS & MSD, while the COC lists RI-BH-3 MS & MSD. Client confirmed MS/MSD sample was correctly logged-in as RI-BH-4.

The samples were received at the laboratory outside the required temperature criteria. The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Sample points RI-BH-8 Fill and RI-BH-8 Native were both not received but they are listed on COC.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-747696 recovered above the upper control limit for Cyclohexane. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: RI-BH-14 Fill (480-229829-1), RI-BH-15 Fill (480-229829-3), RI-MW-5 (480-229829-11), RI-BH-4 Fill (480-229829-13), RI-BH-6 Native (480-229829-14), RI-BH-6 Fill (480-229829-15), RI-BH-7 Fill (480-229829-17), RI-BH-10 Native (480-229829-23) and RI-BH-11 Native (480-229829-24).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-747696 was outside the method criteria for the following analyte(s): Cyclohexane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is: RI-MW-2 (480-229829-6).

Method 8260C: Internal standard (ISTD) response for the following samples were outside control limits: RI-BH-14 Fill (480-229829-1), RI-BH-15 Fill (480-229829-3) and RI-MW-2 (480-229829-6). The sample(s) were re-analyzed and ISTD response was outside control limits.

Method 8260C: Surrogate recovery for the following samples were outside control limits: RI-BH-14 Fill (480-229829-1) and RI-BH-15 Fill (480-229829-3). Re-analysis was performed and surrogate recovery was outside control limits.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-747667 and analytical batch 480-747696 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The associated sample is: RI-BH-4 Fill (480-229829-13[MSD]).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-747667 and analytical batch 480-747696 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: RI-BH-4 Fill (480-229829-13[MS]) and RI-BH-4 Fill (480-229829-13[MSD]).

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Method 8260C: Internal standard (ISTD) response for the following samples was outside control limits: RI-BH-3 (480-229829-12), RI-BH-7 Native (480-229829-16) and RI-BH-10 Fill (480-229829-22). The samples were re-analyzed and ISTD response was outside control limits.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-747942 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Cyclohexane, Isopropylbenzene, Methylcyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27) and RI-BH-13 Fill (480-229829-28).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-747939 and analytical batch 480-747942 recovered outside control limits for the following analytes: Cyclohexane and Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27) and RI-BH-13 Fill (480-229829-28).

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

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-747863 recovered above the upper control limit for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: RI-BH-10 Native (480-229829-23), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29).

Method 8270D: The following sample was diluted due to color, appearance, and viscosity RI-BH-15 Fill (480-229829-3). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample: RI-BH-11 Native (480-229829-24) was decanted prior to preparation.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-747710 and analytical batch 480-747863 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared, re-extracted and re-analyzed in preparation batch 480-748019 and analytical batch 480-748077 and the LCS recovered outside control limits for the following analytes: 3-Nitroaniline and 4-Chloroaniline. Insufficient volume remains for additional re-extraction and re-preparation, therefore both sets of data have been reported. RI-BH-10 Native (480-229829-23), RI-BH-10 Native (480-229829-23[MS]), RI-BH-10 Native (480-229829-23[MSD]), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29).

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-747710 and analytical batch 480-747863 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared, re-extracted and re-analyzed in preparation batch 480-748019 and analytical batch 480-748077 and the LCS recovered outside control limits for the following analytes: 3-Nitroaniline and 4-Chloroaniline. Insufficient volume remains for additional re-extraction and re-preparation, therefore both sets of data have been reported. RI-BH-10 Native (480-229829-23), RI-BH-10 Native (480-229829-23[MS]), RI-BH-10 Native (480-229829-23[MSD]), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-748077 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: RI-BH-10 Native (480-229829-23), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29).

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-748019 and analytical batch 480-748077 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

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

PCBs

Method 8082A: For method 8082, the recovery of the one surrogate in the LCS pertaining to samples RI-BH-14 Fill (480-229829-1), RI-BH-14 Native (480-229829-2), RI-BH-15 Fill (480-229829-3), RI-BH-15 Native (480-229829-4), RI-MW-1 (480-229829-5), RI-MW-2 (480-229829-6), RI-MW-2 DUP (480-229829-7), RI-MW-3 (480-229829-8), RI-MW-3 DUP (480-229829-9), RI-MW-4 (480-229829-10) and RI-BH-4 Fill (480-229829-13) exceeds quality control limits. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

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Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: RI-MW-3 (480-229829-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Pesticides

Method 8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: RI-BH-14 Fill (480-229829-1), RI-BH-15 Fill (480-229829-3), RI-MW-1 (480-229829-5), RI-MW-2 (480-229829-6), RI-MW-2 DUP (480-229829-7), RI-BH-4 Fill (480-229829-13), RI-BH-4 Fill (480-229829-13[MS]), RI-BH-4 Fill (480-229829-13[MSD]), RI-BH-7 Native (480-229829-16) and RI-BH-7 Fill (480-229829-17).

Method 8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27) and RI-BH-13 Fill (480-229829-28).

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-747775 and analytical batch 480-747842 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. RI-BH-10 Native (480-229829-23)

Method 8081B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-747775 and analytical batch 480-747842 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. RI-BH-10 Native (480-229829-23)

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Methoxychlor for the following sample: RI-BH-13 Fill (480-229829-28). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The method blank for preparation batch 480-747775 and analytical batch 480-747842 contained Heptachlor epoxide and Methoxychlor above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated samples are impacted: RI-BH-10 Native (480-229829-23), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29).

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE, 4,4'-DDT, Endosulfan II and Methoxychlor for the following sample: RI-BH-4 Fill (480-229829-13). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-747772 and analytical batch 480-747840 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. RI-BH-4 Fill (480-229829-13)

Method 8081B: For method 8081, the recovery of the one surrogate in samples RI-BH-4 Fill (480-229829-13) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method 8081B: The method blank for preparation batch 480-747772 and analytical batch 480-747840 contained 4,4'-DDT and gamma-BHC (Lindane) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated samples are impacted: RI-BH-14 Fill (480-229829-1), RI-BH-14 Native (480-229829-2), RI-BH-15 Fill (480-229829-3), RI-BH-15 Native (480-229829-4), RI-MW-1 (480-229829-5), RI-MW-2 (480-229829-6), RI-MW-2 DUP (480-229829-7), RI-MW-3 (480-229829-8), RI-MW-3 DUP (480-229829-9), RI-MW-4 (480-229829-10), RI-MW-5 (480-229829-11), RI-BH-3 (480-229829-12), RI-BH-4 Fill (480-229829-13), RI-BH-6 Native (480-229829-14), RI-BH-6 Fill (480-229829-15), RI-BH-7 Native (480-229829-16), RI-BH-7 Fill (480-229829-17), RI-BH-9 Fill (480-229829-20) and RI-BH-10 Fill (480-229829-22).

Method 8081B: The following samples were diluted due to the nature of the sample matrix: RI-BH-15 Fill (480-229829-3) and RI-BH-7 Fill (480-229829-17). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

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Case Narrative

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Method 8081B: The following sample was diluted due to the nature of the sample matrix: RI-BH-9 Native (480-229829-21). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The method blank for preparation batch 480-747772 and analytical batch 480-747949 contained 4,4'-DDT and gamma-BHC (Lindane) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated sample is impacted: RI-BH-9 Native (480-229829-21).

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

PFAS

Method 1633_Final: Analyte Perfluorononanoic acid (PFNA) was marked as non-detect for sample RI-BH-6 Fill (480-229829-15) due to a detection below RL and failing ion ratio.

Method 1633_Final: Analyte Perfluorooctanoic acid (PFOA) was marked as non-detect for sample RI-BH-7 Fill (480-229829-17) due to a detection below RL and failing ion ratio.

Method 1633_Final: The recovery for the target analytes: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) in the low-level laboratory control spike samples associated with the following samples: RI-BH-9 Native (480-229829-21), RI-BH-10 Fill (480-229829-22), RI-BH-10 Native (480-229829-23), RI-BH-10 Native (480-229829-23[MS]), RI-BH-10 Native (480-229829-23[MSD]), RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27), RI-BH-13 Fill (480-229829-28) and RI-BH-13 Native (480-229829-29) is outside the QC acceptance limits. Since this target was out marginally low, the laboratory control spike is within the QC acceptance limit, and the analyte is not detected in samples, the data is reported.

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

Metals

Method 6010D: The low level continuing calibration verification (CCVL) for analytical batch 480-748038 recovered above the upper control limit for (Iron). The samples associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples RI-BH-11 Native (480-229829-24), RI-BH-11 Fill (480-229829-25), RI-BH-12 Fill (480-229829-26), RI-BH-12 Native (480-229829-27) and RI-BH-13 Fill (480-229829-28) was not performed.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748038 is outside the acceptance criteria for the following analytes: Silver, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748038 is outside the acceptance criteria for the following analytes: Silver and Nickel. 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.

Method 6010D: The low level continuing calibration verification (CCVL) for analytical batch 480-748074 recovered above the upper control limit for (Aluminum, Calcium, and Magnesium). The samples associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples RI-MW-3 (480-229829-8), RI-MW-3 DUP (480-229829-9), RI-MW-4 (480-229829-10), RI-MW-5 (480-229829-11), RI-BH-3 (480-229829-12), RI-BH-4 Fill (480-229829-13) and RI-BH-6 Native (480-229829-14) was not performed.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748074 is outside the acceptance criteria for the following analytes: Silver, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748074 is outside the acceptance criteria for the following analytes: Silver and Nickel. 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748124 is outside the acceptance criteria for the following analytes: 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748134 is outside the acceptance criteria for

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Case Narrative

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the following analytes: 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.

Method 6010D: The laboratory control sample (LCS) for preparation batch 480-747663 and analytical batch 480-748038 recovered outside control limits for the following analytes: Thallium. These analytes were biased high in the LCS and were not detected in the associated samples; 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: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26	J vs	29	5.0	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.38	J vs	5.9	0.36	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	23	vs	5.9	2.7	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	9.7	vs	5.9	0.61	ug/Kg	1	✱	8260C	Total/NA
Benzo[b]fluoranthene	34	J	200	27	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	41	J	200	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene	43	J	200	38	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDD	0.81	J	3.9	0.76	ug/Kg	1	✱	8081B	Total/NA
Endosulfan sulfate	1.4	J	3.9	0.73	ug/Kg	1	✱	8081B	Total/NA
Aluminum	11100		12.0	10.4	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.1	J	18.0	0.64	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.5		2.4	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	71.6		0.60	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.49		0.24	0.048	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.25		0.24	0.084	mg/Kg	1	✱	6010D	Total/NA
Calcium	2570		60.1	32.5	mg/Kg	1	✱	6010D	Total/NA
Chromium	12.2		0.60	0.43	mg/Kg	1	✱	6010D	Total/NA
Cobalt	10.6		0.60	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	71.2		1.2	0.69	mg/Kg	1	✱	6010D	Total/NA
Iron	22100		12.0	10.2	mg/Kg	1	✱	6010D	Total/NA
Lead	86.8		1.2	0.55	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2860		24.1	10.2	mg/Kg	1	✱	6010D	Total/NA
Manganese	430		1.2	0.34	mg/Kg	1	✱	6010D	Total/NA
Nickel	21.1	^5-	6.0	0.30	mg/Kg	1	✱	6010D	Total/NA
Potassium	1530		36.1	29.2	mg/Kg	1	✱	6010D	Total/NA
Sodium	300		168	73.7	mg/Kg	1	✱	6010D	Total/NA
Vanadium	18.0		0.60	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	140	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.55		0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	1.4	J vs	6.1	0.93	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	10	vs	6.1	2.8	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	7.8	vs	6.1	0.63	ug/Kg	1	✱	8260C	Total/NA
Endosulfan sulfate	1.2	J	4.1	0.77	ug/Kg	1	✱	8081B	Total/NA
Aluminum	19900		12.7	10.9	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.9	J	19.0	0.67	mg/Kg	1	✱	6010D	Total/NA
Arsenic	10		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	157		0.63	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.98		0.25	0.051	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.25		0.25	0.089	mg/Kg	1	✱	6010D	Total/NA
Calcium	24400		63.5	34.3	mg/Kg	1	✱	6010D	Total/NA
Chromium	27.3		0.63	0.46	mg/Kg	1	✱	6010D	Total/NA
Cobalt	16.4		0.63	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	24.9		1.3	0.72	mg/Kg	1	✱	6010D	Total/NA
Iron	35000		12.7	10.8	mg/Kg	1	✱	6010D	Total/NA
Lead	15.8		1.3	0.58	mg/Kg	1	✱	6010D	Total/NA
Magnesium	7370		25.4	10.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	356		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native (Continued)

Lab Sample ID: 480-229829-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	43.3	^5-	6.3	0.32	mg/Kg	1	✱	6010D	Total/NA
Potassium	3530		38.1	30.8	mg/Kg	1	✱	6010D	Total/NA
Sodium	178		178	77.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	33.6		0.63	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	65.7	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.018	J	0.026	0.0060	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.43	J vs	6.0	0.37	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	22	vs	6.0	2.8	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	13	vs	6.0	0.62	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	520	J	2000	310	ug/Kg	10	✱	8270D	Total/NA
Anthracene	960	J	2000	360	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	2100		2000	270	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	1900	J	2000	330	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	2400		2000	260	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1300	J	2000	340	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	1400	J	2000	440	ug/Kg	10	✱	8270D	Total/NA
Chrysene	1900	J	2000	470	ug/Kg	10	✱	8270D	Total/NA
Dibenz(a,h)anthracene	480	J	2000	390	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	5700		2000	360	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200	J	2000	290	ug/Kg	10	✱	8270D	Total/NA
Naphthalene	380	J	2000	320	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	4500		2000	370	ug/Kg	10	✱	8270D	Total/NA
Pyrene	4100		2000	370	ug/Kg	10	✱	8270D	Total/NA
4,4'-DDT	34	J B	82	19	ug/Kg	20	✱	8081B	Total/NA
Aluminum	7780		12.4	10.7	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.9	J	18.6	0.66	mg/Kg	1	✱	6010D	Total/NA
Arsenic	13.7		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	366		0.62	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.70		0.25	0.050	mg/Kg	1	✱	6010D	Total/NA
Cadmium	2.2		0.25	0.087	mg/Kg	1	✱	6010D	Total/NA
Calcium	16000		62.2	33.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	133		0.62	0.45	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.2		0.62	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	119		1.2	0.71	mg/Kg	1	✱	6010D	Total/NA
Iron	24300		12.4	10.5	mg/Kg	1	✱	6010D	Total/NA
Lead	707		1.2	0.57	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2230		24.9	10.5	mg/Kg	1	✱	6010D	Total/NA
Manganese	303		1.2	0.35	mg/Kg	1	✱	6010D	Total/NA
Nickel	95.4	^5-	6.2	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	1120		37.3	30.1	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.5	J	5.0	0.99	mg/Kg	1	✱	6010D	Total/NA
Silver	0.28	J ^5-	0.75	0.25	mg/Kg	1	✱	6010D	Total/NA
Sodium	153	J	174	76.2	mg/Kg	1	✱	6010D	Total/NA
Vanadium	23.9		0.62	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	542	^5-	12.4	6.3	mg/Kg	5	✱	6010D	Total/NA
Mercury	0.43		0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	72	vs	6.2	2.9	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	50	vs	6.2	0.64	ug/Kg	1	✱	8260C	Total/NA
Aluminum	11900		12.7	10.9	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.4	J	19.0	0.67	mg/Kg	1	✱	6010D	Total/NA
Arsenic	12.7		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	92.2		0.63	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.60		0.25	0.051	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.45		0.25	0.089	mg/Kg	1	✱	6010D	Total/NA
Calcium	37300		63.5	34.3	mg/Kg	1	✱	6010D	Total/NA
Chromium	17.8		0.63	0.46	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.0		0.63	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	37.1		1.3	0.72	mg/Kg	1	✱	6010D	Total/NA
Iron	25500		12.7	10.8	mg/Kg	1	✱	6010D	Total/NA
Lead	18.9		1.3	0.58	mg/Kg	1	✱	6010D	Total/NA
Magnesium	7590		25.4	10.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	311		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Nickel	30.2	^5-	6.3	0.32	mg/Kg	1	✱	6010D	Total/NA
Potassium	2410		38.1	30.8	mg/Kg	1	✱	6010D	Total/NA
Sodium	153	J	178	77.8	mg/Kg	1	✱	6010D	Total/NA
Vanadium	24.7		0.63	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	80.0	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.017	J	0.026	0.0061	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J vs	28	4.7	ug/Kg	1	✱	8260C	Total/NA
cis-1,2-Dichloroethene	1.9	J vs	5.6	0.71	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	68	vs	5.6	2.6	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	47	vs	5.6	0.57	ug/Kg	1	✱	8260C	Total/NA
Aluminum	11400		11.1	9.6	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.3	J	16.7	0.59	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.4		2.2	0.98	mg/Kg	1	✱	6010D	Total/NA
Barium	127		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.73		0.22	0.045	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.14	J	0.22	0.078	mg/Kg	1	✱	6010D	Total/NA
Calcium	1250		55.7	30.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	16.6		0.56	0.40	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.8		0.56	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	41.0		1.1	0.63	mg/Kg	1	✱	6010D	Total/NA
Iron	19800		11.1	9.4	mg/Kg	1	✱	6010D	Total/NA
Lead	26.2		1.1	0.51	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3960		22.3	9.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	132		1.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Nickel	33.4	^5-	5.6	0.28	mg/Kg	1	✱	6010D	Total/NA
Potassium	2510		33.4	27.0	mg/Kg	1	✱	6010D	Total/NA
Selenium	2.8	J	4.5	0.89	mg/Kg	1	✱	6010D	Total/NA
Sodium	72.5	J	156	68.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	18.5		0.56	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	75.5	^5-	2.2	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.015	J	0.023	0.0052	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.7	J vs	33	2.4	ug/Kg	1	✱	8260C	Total/NA
Acetone	20	J vs	33	5.5	ug/Kg	1	✱	8260C	Total/NA
Benzene	4.2	J vs	6.5	0.32	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.46	J vs	6.5	0.40	ug/Kg	1	✱	8260C	Total/NA
Cyclohexane	190	vs	6.5	0.91	ug/Kg	1	✱	8260C	Total/NA
Ethylbenzene	20	vs	6.5	0.45	ug/Kg	1	✱	8260C	Total/NA
Isopropylbenzene	12	*3 vs	6.5	0.98	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	240	vs	6.5	0.99	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	3.5	J vs	6.5	3.0	ug/Kg	1	✱	8260C	Total/NA
Toluene	44	vs	6.5	0.49	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	0.78	J vs	6.5	0.67	ug/Kg	1	✱	8260C	Total/NA
Xylenes, Total	130	vs	13	1.1	ug/Kg	1	✱	8260C	Total/NA
Biphenyl	100	J	210	39	ug/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	570		210	33	ug/Kg	1	✱	8270D	Total/NA
4-Methylphenol	46	J	410	38	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	530		210	39	ug/Kg	1	✱	8270D	Total/NA
Acenaphthylene	340		210	40	ug/Kg	1	✱	8270D	Total/NA
Anthracene	1500		210	39	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	1900		210	29	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	1400		210	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	1700		210	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	770		210	37	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	870		210	47	ug/Kg	1	✱	8270D	Total/NA
Carbazole	350		210	41	ug/Kg	1	✱	8270D	Total/NA
Chrysene	2000		210	51	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	290		210	42	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	570		210	37	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	4100		210	38	ug/Kg	1	✱	8270D	Total/NA
Fluorene	1000		210	38	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	620		210	31	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	630		210	35	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	4800		210	39	ug/Kg	1	✱	8270D	Total/NA
Pyrene	3300		210	40	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	2.0	J B	4.3	1.0	ug/Kg	1	✱	8081B	Total/NA
Endrin	1.7	J	4.3	0.85	ug/Kg	1	✱	8081B	Total/NA
Aluminum	13500		13.3	11.4	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.4	J	19.9	0.70	mg/Kg	1	✱	6010D	Total/NA
Arsenic	10.6		2.7	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	192		0.66	0.19	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.80		0.27	0.053	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.33		0.27	0.093	mg/Kg	1	✱	6010D	Total/NA
Calcium	5470		66.3	35.8	mg/Kg	1	✱	6010D	Total/NA
Chromium	23.0		0.66	0.48	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12.8		0.66	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	81.4		1.3	0.76	mg/Kg	1	✱	6010D	Total/NA
Iron	26800		13.3	11.2	mg/Kg	1	✱	6010D	Total/NA
Lead	70.8		1.3	0.61	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3590		26.5	11.2	mg/Kg	1	✱	6010D	Total/NA
Manganese	520		1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	28.8	^5-	6.6	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	2610		39.8	32.1	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 (Continued)

Lab Sample ID: 480-229829-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	90.1	J	186	81.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	28.0		0.66	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	124	^5-	2.7	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	1.6		0.026	0.0059	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7	J vs	33	5.5	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	71	vs	6.5	3.0	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	37	vs	6.5	0.67	ug/Kg	1	✱	8260C	Total/NA
Benzo[b]fluoranthene	37	J	210	28	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	98	J	210	38	ug/Kg	1	✱	8270D	Total/NA
Pyrene	96	J	210	40	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	1.9	J B	4.3	1.0	ug/Kg	1	✱	8081B	Total/NA
delta-BHC	1.1	J	4.3	0.81	ug/Kg	1	✱	8081B	Total/NA
Endrin	1.4	J	4.3	0.86	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	1.3	J	4.3	0.89	ug/Kg	1	✱	8081B	Total/NA
Aluminum	14800		13.0	11.2	mg/Kg	1	✱	6010D	Total/NA
Antimony	0.81	J	19.4	0.69	mg/Kg	1	✱	6010D	Total/NA
Arsenic	8.2		2.6	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	191		0.65	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.71		0.26	0.052	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.38		0.26	0.091	mg/Kg	1	✱	6010D	Total/NA
Calcium	12400		64.8	35.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	20.1		0.65	0.47	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12.4		0.65	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	34.7		1.3	0.74	mg/Kg	1	✱	6010D	Total/NA
Iron	25100		13.0	11.0	mg/Kg	1	✱	6010D	Total/NA
Lead	50.1		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	5240		25.9	11.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	286		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Nickel	30.4	^5-	6.5	0.32	mg/Kg	1	✱	6010D	Total/NA
Potassium	2890		38.9	31.4	mg/Kg	1	✱	6010D	Total/NA
Sodium	113	J	181	79.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	26.7		0.65	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	127	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.49		0.026	0.0060	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.8	J vs	31	2.3	ug/Kg	1	✱	8260C	Total/NA
Acetone	44	vs	31	5.2	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	41	vs	6.1	2.8	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	32	vs	6.1	0.63	ug/Kg	1	✱	8260C	Total/NA
Aluminum	15500	^+	13.0	11.2	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.1	J	19.5	0.69	mg/Kg	1	✱	6010D	Total/NA
Arsenic	8.3		2.6	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	669		0.65	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.75		0.26	0.052	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.30		0.26	0.091	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 (Continued)

Lab Sample ID: 480-229829-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	36300	^+	65.0	35.1	mg/Kg	1	✱	6010D	Total/NA
Chromium	21.7		0.65	0.47	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12.8		0.65	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	32.4		1.3	0.74	mg/Kg	1	✱	6010D	Total/NA
Iron	26500	^+	13.0	11.0	mg/Kg	1	✱	6010D	Total/NA
Lead	15.5		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	8880	^+	26.0	11.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	405		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Nickel	34.0	^5-	6.5	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	3020		39.0	31.5	mg/Kg	1	✱	6010D	Total/NA
Sodium	175	J	182	79.8	mg/Kg	1	✱	6010D	Total/NA
Vanadium	29.0		0.65	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	68.2	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.012	J	0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41	vs	31	5.2	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	9.0	vs	6.1	2.8	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	5.1	J vs	6.1	0.63	ug/Kg	1	✱	8260C	Total/NA
Endosulfan sulfate	1.2	J	4.2	0.78	ug/Kg	1	✱	8081B	Total/NA
Aluminum	20800	^+	13.0	11.2	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.4	J	19.5	0.69	mg/Kg	1	✱	6010D	Total/NA
Arsenic	4.3		2.6	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	303		0.65	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.0		0.26	0.052	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.32		0.26	0.091	mg/Kg	1	✱	6010D	Total/NA
Calcium	2230	^+	64.8	35.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	28.5		0.65	0.47	mg/Kg	1	✱	6010D	Total/NA
Cobalt	16.7		0.65	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	22.1		1.3	0.74	mg/Kg	1	✱	6010D	Total/NA
Iron	29500	^+	13.0	11.0	mg/Kg	1	✱	6010D	Total/NA
Lead	13.3		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	6110	^+	25.9	11.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	280		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Nickel	45.5	^5-	6.5	0.32	mg/Kg	1	✱	6010D	Total/NA
Potassium	3020		38.9	31.4	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.5	J	5.2	1.0	mg/Kg	1	✱	6010D	Total/NA
Sodium	121	J	182	79.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	33.9		0.65	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	73.0	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.028		0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.37	J vs	5.7	0.35	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	110	vs	5.7	2.6	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	73	vs	5.7	0.59	ug/Kg	1	✱	8260C	Total/NA
Aluminum	10400	^+	12.5	10.8	mg/Kg	1	✱	6010D	Total/NA
Arsenic	8.9		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4 (Continued)

Lab Sample ID: 480-229829-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	97.8		0.62	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.51		0.25	0.050	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.38		0.25	0.087	mg/Kg	1	✱	6010D	Total/NA
Calcium	29400	^+	62.4	33.7	mg/Kg	1	✱	6010D	Total/NA
Chromium	15.4		0.62	0.45	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.2		0.62	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	35.8		1.2	0.71	mg/Kg	1	✱	6010D	Total/NA
Iron	23200	^+	12.5	10.6	mg/Kg	1	✱	6010D	Total/NA
Lead	15.6		1.2	0.57	mg/Kg	1	✱	6010D	Total/NA
Magnesium	8000	^+	25.0	10.6	mg/Kg	1	✱	6010D	Total/NA
Manganese	286		1.2	0.35	mg/Kg	1	✱	6010D	Total/NA
Nickel	29.8	^5-	6.2	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	2120		37.4	30.2	mg/Kg	1	✱	6010D	Total/NA
Sodium	124	J	175	76.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	20.4		0.62	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	86.1	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.023	J	0.024	0.0054	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	52	vs	5.8	2.7	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	32	vs	5.8	0.59	ug/Kg	1	✱	8260C	Total/NA
Aluminum	10400	^+	12.6	10.8	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.3	J	18.8	0.67	mg/Kg	1	✱	6010D	Total/NA
Arsenic	13.4		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	73.5		0.63	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.55		0.25	0.050	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.41		0.25	0.088	mg/Kg	1	✱	6010D	Total/NA
Calcium	17200	^+	62.8	33.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	15.3		0.63	0.45	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12.5		0.63	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	43.3		1.3	0.72	mg/Kg	1	✱	6010D	Total/NA
Iron	28100	^+	12.6	10.6	mg/Kg	1	✱	6010D	Total/NA
Lead	25.4		1.3	0.58	mg/Kg	1	✱	6010D	Total/NA
Magnesium	6420	^+	25.1	10.6	mg/Kg	1	✱	6010D	Total/NA
Manganese	309		1.3	0.35	mg/Kg	1	✱	6010D	Total/NA
Nickel	36.5	^5-	6.3	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	2080		37.7	30.4	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.2	J	5.0	1.0	mg/Kg	1	✱	6010D	Total/NA
Sodium	91.5	J	176	77.0	mg/Kg	1	✱	6010D	Total/NA
Vanadium	19.6		0.63	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	115	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.018	J	0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.1	J vs	30	5.0	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	25	vs	5.9	2.7	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.54	J vs	5.9	0.45	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	24	vs	5.9	0.61	ug/Kg	1	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3 (Continued)

Lab Sample ID: 480-229829-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	51	J	190	30	ug/Kg	1	✱	8270D	Total/NA
Anthracene	51	J	190	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	160	J	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	110	J	190	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	130	J	190	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	68	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	55	J	190	42	ug/Kg	1	✱	8270D	Total/NA
Chrysene	150	J	190	46	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	260		190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	58	J	190	28	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	290		190	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene	250		190	36	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	1.7	J B	3.9	0.92	ug/Kg	1	✱	8081B	Total/NA
Endrin	1.4	J	3.9	0.78	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	0.87	J	3.9	0.80	ug/Kg	1	✱	8081B	Total/NA
Aluminum	3100	^+	12.2	10.5	mg/Kg	1	✱	6010D	Total/NA
Antimony	0.79	J	18.3	0.65	mg/Kg	1	✱	6010D	Total/NA
Arsenic	6.0		2.4	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	17.4		0.61	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.18	J	0.24	0.049	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.14	J	0.24	0.085	mg/Kg	1	✱	6010D	Total/NA
Calcium	5750	^+	61.1	33.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	4.3		0.61	0.44	mg/Kg	1	✱	6010D	Total/NA
Cobalt	4.4		0.61	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	12.1		1.2	0.70	mg/Kg	1	✱	6010D	Total/NA
Iron	8400	^+	12.2	10.4	mg/Kg	1	✱	6010D	Total/NA
Lead	17.6		1.2	0.56	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2110	^+	24.4	10.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	157		1.2	0.34	mg/Kg	1	✱	6010D	Total/NA
Nickel	8.6	^5-	6.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	771		36.6	29.6	mg/Kg	1	✱	6010D	Total/NA
Sodium	76.7	J	171	74.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	7.5		0.61	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	45.9	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.37		0.024	0.0055	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9	J vs	32	5.4	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	1.4	J vs	6.5	0.98	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	49	vs	6.5	3.0	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	34	F1 vs	6.5	0.67	ug/Kg	1	✱	8260C	Total/NA
Acenaphthene	71	J	230	42	ug/Kg	1	✱	8270D	Total/NA
Acenaphthylene	62	J	230	43	ug/Kg	1	✱	8270D	Total/NA
Anthracene	220	J	230	41	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	520	F1	230	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	440		230	38	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	520		230	30	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	190	J	230	39	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	300		230	50	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill (Continued)

Lab Sample ID: 480-229829-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbazole	48	J	230	44	ug/Kg	1	✱	8270D	Total/NA
Chrysene	520		230	54	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	85	J	230	45	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	44	J	230	39	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	960	F1	230	41	ug/Kg	1	✱	8270D	Total/NA
Fluorene	69	J	230	41	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	200	J	230	33	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	780		230	42	ug/Kg	1	✱	8270D	Total/NA
Pyrene	900	F1	230	43	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDE	6.0		4.4	0.93	ug/Kg	1	✱	8081B	Total/NA
4,4'-DDT	5.8	B	4.4	1.0	ug/Kg	1	✱	8081B	Total/NA
beta-BHC	0.92	J	4.4	0.79	ug/Kg	1	✱	8081B	Total/NA
alpha-BHC	1.2	J	4.4	0.79	ug/Kg	1	✱	8081B	Total/NA
delta-BHC	1.3	J	4.4	0.82	ug/Kg	1	✱	8081B	Total/NA
Endosulfan II	5.8		4.4	0.79	ug/Kg	1	✱	8081B	Total/NA
Endrin	4.0	J	4.4	0.87	ug/Kg	1	✱	8081B	Total/NA
Endrin aldehyde	1.7	J F1	4.4	1.1	ug/Kg	1	✱	8081B	Total/NA
Endrin ketone	13	F1	4.4	1.1	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	9.8	F1	4.4	0.90	ug/Kg	1	✱	8081B	Total/NA
Aluminum	19700	^+	13.3	11.5	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.5	J F1	19.9	0.70	mg/Kg	1	✱	6010D	Total/NA
Arsenic	15.5		2.7	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	216		0.66	0.19	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.85		0.27	0.053	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.63		0.27	0.093	mg/Kg	1	✱	6010D	Total/NA
Calcium	3330	^+ F1	66.4	35.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	24.5		0.66	0.48	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13.6		0.66	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	22.0		1.3	0.76	mg/Kg	1	✱	6010D	Total/NA
Iron	35700	^+	13.3	11.3	mg/Kg	1	✱	6010D	Total/NA
Lead	108	F1	1.3	0.61	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3760	^+	26.6	11.3	mg/Kg	1	✱	6010D	Total/NA
Manganese	716	F2	1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	24.6	^5-	6.6	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	3010	F1	39.9	32.2	mg/Kg	1	✱	6010D	Total/NA
Sodium	97.5	J	186	81.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	36.5		0.66	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	120	^5- F1	2.7	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	1.4	F1	0.026	0.0059	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.5	J vs	31	2.3	ug/Kg	1	✱	8260C	Total/NA
Acetone	49	vs	31	5.2	ug/Kg	1	✱	8260C	Total/NA
4,4'-DDT	1.9	J B	4.2	0.99	ug/Kg	1	✱	8081B	Total/NA
Aluminum	18200	^+	13.1	11.3	mg/Kg	1	✱	6010D	Total/NA
Antimony	0.86	J	19.6	0.69	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.0		2.6	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	178		0.65	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.85		0.26	0.052	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native (Continued)

Lab Sample ID: 480-229829-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.55		0.26	0.092	mg/Kg	1	✱	6010D	Total/NA
Calcium	1330	^+	65.5	35.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	22.3		0.65	0.47	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13.4		0.65	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	14.1		1.3	0.75	mg/Kg	1	✱	6010D	Total/NA
Iron	26800	^+	13.1	11.1	mg/Kg	1	✱	6010D	Total/NA
Lead	18.8		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3630	^+	26.2	11.1	mg/Kg	1	✱	6010D	Total/NA
Manganese	271		1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	23.9	^5-	6.5	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	2790		39.3	31.7	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.3	J	5.2	1.0	mg/Kg	1	✱	6010D	Total/NA
Vanadium	33.4		0.65	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	95.6	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.049		0.025	0.0057	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.90	J vs	5.8	0.28	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.44	J vs	5.8	0.36	ug/Kg	1	✱	8260C	Total/NA
Ethylbenzene	1.2	J vs	5.8	0.40	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	38	vs	5.8	2.6	ug/Kg	1	✱	8260C	Total/NA
Toluene	2.1	J vs	5.8	0.44	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	26	vs	5.8	0.59	ug/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.98	J vs	12	0.97	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	48	J	190	30	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	83	J	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	65	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	93	J	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	57	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	78	J	190	43	ug/Kg	1	✱	8270D	Total/NA
Chrysene	88	J	190	46	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	140	J	190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	57	J	190	29	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	34	J	190	32	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	110	J	190	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene	140	J	190	36	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	1.8	J B	3.9	0.92	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	0.98	J	3.9	0.80	ug/Kg	1	✱	8081B	Total/NA
Perfluorooctanoic acid (PFOA)	0.15	J	0.20	0.059	ng/g	1	✱	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.060	J	0.20	0.049	ng/g	1	✱	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.76		0.20	0.11	ng/g	1	✱	1633	Total/NA
Aluminum	4800		12.4	10.7	mg/Kg	1	✱	6010D	Total/NA
Antimony	2.0	J	18.7	0.66	mg/Kg	1	✱	6010D	Total/NA
Arsenic	8.9		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	162		0.62	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.37		0.25	0.050	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.58		0.25	0.087	mg/Kg	1	✱	6010D	Total/NA
Calcium	7160		62.2	33.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	15.7		0.62	0.45	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill (Continued)

Lab Sample ID: 480-229829-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.7		0.62	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	26.1		1.2	0.71	mg/Kg	1	✱	6010D	Total/NA
Iron	37400		12.4	10.6	mg/Kg	1	✱	6010D	Total/NA
Lead	157		1.2	0.57	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1540		24.9	10.6	mg/Kg	1	✱	6010D	Total/NA
Manganese	282		1.2	0.35	mg/Kg	1	✱	6010D	Total/NA
Nickel	14.7	^5-	6.2	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	821		37.3	30.2	mg/Kg	1	✱	6010D	Total/NA
Sodium	130	J	174	76.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	14.9		0.62	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	126	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.020	J	0.023	0.0053	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	12	J vs	31	2.3	ug/Kg	1	✱	8260C	Total/NA
Acetone	59	vs	31	5.3	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	1.5	J vs	6.3	0.95	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	4.4	J vs	6.3	2.9	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	0.70	J vs	6.3	0.65	ug/Kg	1	✱	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	98	J	210	46	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	51	J	210	39	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	48	J	210	40	ug/Kg	1	✱	8270D	Total/NA
Pyrene	52	J	210	40	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	1.8	J B	4.2	0.99	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	1.2	J	4.2	0.86	ug/Kg	1	✱	8081B	Total/NA
Aluminum	17600		13.3	11.5	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.5	J	19.9	0.70	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.7		2.7	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	145		0.66	0.19	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.94		0.27	0.053	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.40		0.27	0.093	mg/Kg	1	✱	6010D	Total/NA
Calcium	5400		66.5	35.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	23.4		0.66	0.48	mg/Kg	1	✱	6010D	Total/NA
Cobalt	19.8		0.66	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	27.5		1.3	0.76	mg/Kg	1	✱	6010D	Total/NA
Iron	32600		13.3	11.3	mg/Kg	1	✱	6010D	Total/NA
Lead	29.0		1.3	0.61	mg/Kg	1	✱	6010D	Total/NA
Magnesium	4570		26.6	11.3	mg/Kg	1	✱	6010D	Total/NA
Manganese	414		1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	33.9	^5-	6.6	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	3100		39.9	32.2	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.2	J	5.3	1.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	94.7	J	186	81.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	32.6		0.66	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	81.2	^5-	2.7	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.099		0.026	0.0059	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J vs	28	4.7	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	13	vs	5.6	2.6	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	7.3	vs	5.6	0.58	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	380		190	29	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	300		190	35	ug/Kg	1	✱	8270D	Total/NA
Acenaphthylene	39	J	190	36	ug/Kg	1	✱	8270D	Total/NA
Anthracene	720		190	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	1700		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	1500		190	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	1900		190	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1100		190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	920		190	42	ug/Kg	1	✱	8270D	Total/NA
Carbazole	350		190	37	ug/Kg	1	✱	8270D	Total/NA
Chrysene	1900		190	45	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	320		190	38	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	250		190	33	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	4400		190	34	ug/Kg	1	✱	8270D	Total/NA
Fluorene	280		190	34	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	970		190	28	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	250		190	31	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	3400		190	35	ug/Kg	1	✱	8270D	Total/NA
Pyrene	3500		190	36	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	7.5	J B	19	4.4	ug/Kg	5	✱	8081B	Total/NA
Endrin	5.9	J	19	3.7	ug/Kg	5	✱	8081B	Total/NA
Aluminum	6660		11.5	9.9	mg/Kg	1	✱	6010D	Total/NA
Antimony	39.4		17.2	0.61	mg/Kg	1	✱	6010D	Total/NA
Arsenic	93.8		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	121		0.57	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.85		0.23	0.046	mg/Kg	1	✱	6010D	Total/NA
Cadmium	1.0		0.23	0.080	mg/Kg	1	✱	6010D	Total/NA
Calcium	2370		57.4	31.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	19.5		0.57	0.41	mg/Kg	1	✱	6010D	Total/NA
Cobalt	23.2		0.57	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	1050		5.7	3.3	mg/Kg	5	✱	6010D	Total/NA
Iron	107000		57.4	48.7	mg/Kg	5	✱	6010D	Total/NA
Lead	658		1.1	0.53	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1020		23.0	9.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	475		1.1	0.32	mg/Kg	1	✱	6010D	Total/NA
Nickel	35.1	^5-	5.7	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	860		34.5	27.8	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.9	J	4.6	0.92	mg/Kg	1	✱	6010D	Total/NA
Silver	0.33	J ^5-	0.69	0.23	mg/Kg	1	✱	6010D	Total/NA
Sodium	119	J	161	70.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	28.8		0.57	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	258	^5-	11.5	5.9	mg/Kg	5	✱	6010D	Total/NA
Mercury	0.24		0.023	0.0053	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.6	J vs	28	2.0	ug/Kg	1	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill (Continued)

Lab Sample ID: 480-229829-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.55	J vs	5.5	0.27	ug/Kg	1	☼		8260C	Total/NA
Methylene Chloride	5.4	J vs	5.5	2.5	ug/Kg	1	☼		8260C	Total/NA
Toluene	0.55	J vs	5.5	0.42	ug/Kg	1	☼		8260C	Total/NA
2-Methylnaphthalene	89	J	180	28	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	39	J	180	32	ug/Kg	1	☼		8270D	Total/NA
Pyrene	34	J	180	34	ug/Kg	1	☼		8270D	Total/NA
4,4'-DDT	1.6	J B	3.7	0.86	ug/Kg	1	☼		8081B	Total/NA
Endrin	1.2	J	3.7	0.72	ug/Kg	1	☼		8081B	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.16	J	0.20	0.11	ng/g	1	☼		1633	Total/NA
Aluminum	17000		10.6	9.1	mg/Kg	1	☼		6010D	Total/NA
Antimony	3.3	J	15.9	0.56	mg/Kg	1	☼		6010D	Total/NA
Arsenic	16.5		2.1	0.93	mg/Kg	1	☼		6010D	Total/NA
Barium	97.5		0.53	0.15	mg/Kg	1	☼		6010D	Total/NA
Beryllium	0.69		0.21	0.042	mg/Kg	1	☼		6010D	Total/NA
Cadmium	0.28		0.21	0.074	mg/Kg	1	☼		6010D	Total/NA
Calcium	57700		52.9	28.6	mg/Kg	1	☼		6010D	Total/NA
Chromium	30.5		0.53	0.38	mg/Kg	1	☼		6010D	Total/NA
Cobalt	5.4		0.53	0.11	mg/Kg	1	☼		6010D	Total/NA
Copper	23.8		1.1	0.60	mg/Kg	1	☼		6010D	Total/NA
Iron	120000		52.9	44.9	mg/Kg	5	☼		6010D	Total/NA
Lead	31.6		1.1	0.49	mg/Kg	1	☼		6010D	Total/NA
Magnesium	1110		21.2	9.0	mg/Kg	1	☼		6010D	Total/NA
Manganese	4130		1.1	0.30	mg/Kg	1	☼		6010D	Total/NA
Nickel	13.8	^5-	5.3	0.26	mg/Kg	1	☼		6010D	Total/NA
Potassium	1880		31.7	25.6	mg/Kg	1	☼		6010D	Total/NA
Selenium	1.8	J	4.2	0.85	mg/Kg	1	☼		6010D	Total/NA
Silver	0.70	^5-	0.63	0.21	mg/Kg	1	☼		6010D	Total/NA
Sodium	435		148	64.9	mg/Kg	1	☼		6010D	Total/NA
Vanadium	55.5		0.53	0.14	mg/Kg	1	☼		6010D	Total/NA
Zinc	33.0	^5-	2.1	1.1	mg/Kg	1	☼		6010D	Total/NA
Mercury	0.16		0.022	0.0050	mg/Kg	1	☼		7471B	Total/NA

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	14	J vs	32	2.3	ug/Kg	1	☼		8260C	Total/NA
Acetone	68	vs	32	5.3	ug/Kg	1	☼		8260C	Total/NA
Chloroform	0.47	J vs	6.3	0.39	ug/Kg	1	☼		8260C	Total/NA
Methylene Chloride	11	vs	6.3	2.9	ug/Kg	1	☼		8260C	Total/NA
trans-1,2-Dichloroethene	2.6	J vs	6.3	0.66	ug/Kg	1	☼		8260C	Total/NA
Benzo[b]fluoranthene	32	J	200	27	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	65	J	200	37	ug/Kg	1	☼		8270D	Total/NA
Pyrene	62	J	200	38	ug/Kg	1	☼		8270D	Total/NA
Aluminum	9660		13.1	11.3	mg/Kg	1	☼		6010D	Total/NA
Antimony	2.1	J	19.6	0.69	mg/Kg	1	☼		6010D	Total/NA
Arsenic	17.7		2.6	1.2	mg/Kg	1	☼		6010D	Total/NA
Barium	270		0.65	0.18	mg/Kg	1	☼		6010D	Total/NA
Beryllium	0.80		0.26	0.052	mg/Kg	1	☼		6010D	Total/NA
Cadmium	0.35		0.26	0.092	mg/Kg	1	☼		6010D	Total/NA
Calcium	15300		65.4	35.3	mg/Kg	1	☼		6010D	Total/NA
Chromium	16.9		0.65	0.47	mg/Kg	1	☼		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native (Continued)

Lab Sample ID: 480-229829-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	7.8		0.65	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	95.9		1.3	0.75	mg/Kg	1	✱	6010D	Total/NA
Iron	24900		13.1	11.1	mg/Kg	1	✱	6010D	Total/NA
Lead	711		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2240		26.2	11.1	mg/Kg	1	✱	6010D	Total/NA
Manganese	307		1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	16.4	^5-	6.5	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	2040		39.2	31.7	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.8	J	5.2	1.0	mg/Kg	1	✱	6010D	Total/NA
Silver	0.32	J ^5-	0.78	0.26	mg/Kg	1	✱	6010D	Total/NA
Sodium	321		183	80.2	mg/Kg	1	✱	6010D	Total/NA
Vanadium	19.1		0.65	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	218	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.24		0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	23	vs	5.9	2.7	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	16	vs	5.9	0.61	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	38	J	190	30	ug/Kg	1	✱	8270D	Total/NA
Anthracene	48	J	190	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	270		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	180	J	190	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	180	J	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	110	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	150	J	190	43	ug/Kg	1	✱	8270D	Total/NA
Chrysene	210		190	46	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	280		190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120	J	190	28	ug/Kg	1	✱	8270D	Total/NA
Pyrene	240		190	36	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDD	1.5	J	3.9	0.76	ug/Kg	1	✱	8081B	Total/NA
4,4'-DDT	1.7	J B	3.9	0.92	ug/Kg	1	✱	8081B	Total/NA
delta-BHC	0.99	J	3.9	0.73	ug/Kg	1	✱	8081B	Total/NA
Endrin	1.6	J	3.9	0.78	ug/Kg	1	✱	8081B	Total/NA
Aluminum	12000		12.2	10.5	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.0	J	18.3	0.65	mg/Kg	1	✱	6010D	Total/NA
Arsenic	10.3		2.4	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	74.3		0.61	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.56		0.24	0.049	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.18	J	0.24	0.086	mg/Kg	1	✱	6010D	Total/NA
Calcium	2280		61.1	33.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	14.2		0.61	0.44	mg/Kg	1	✱	6010D	Total/NA
Cobalt	7.9		0.61	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	27.7		1.2	0.70	mg/Kg	1	✱	6010D	Total/NA
Iron	20700		12.2	10.4	mg/Kg	1	✱	6010D	Total/NA
Lead	28.9		1.2	0.56	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2310		24.5	10.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	195		1.2	0.34	mg/Kg	1	✱	6010D	Total/NA
Nickel	19.0	^5-	6.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	1790		36.7	29.6	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill (Continued)

Lab Sample ID: 480-229829-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.7	J	4.9	0.98	mg/Kg	1	✱	6010D	Total/NA
Sodium	76.0	J	171	75.0	mg/Kg	1	✱	6010D	Total/NA
Vanadium	21.9		0.61	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	65.7	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.40		0.025	0.0057	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.3	J vs	31	5.1	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	31	vs	6.1	2.8	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	21	vs	6.1	0.63	ug/Kg	1	✱	8260C	Total/NA
4,4'-DDT	3.1	J	4.1	0.95	ug/Kg	1	✱	8081B	Total/NA
Aluminum	15500		11.9	10.2	mg/Kg	1	✱	6010D	Total/NA
Antimony	0.93	J F1	17.8	0.63	mg/Kg	1	✱	6010D	Total/NA
Arsenic	6.2		2.4	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	170		0.59	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.71		0.24	0.048	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.71		0.24	0.083	mg/Kg	1	✱	6010D	Total/NA
Calcium	122000		297	160	mg/Kg	5	✱	6010D	Total/NA
Chromium	21.1		0.59	0.43	mg/Kg	1	✱	6010D	Total/NA
Cobalt	9.7		0.59	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	20.2		1.2	0.68	mg/Kg	1	✱	6010D	Total/NA
Iron	20600		11.9	10.1	mg/Kg	1	✱	6010D	Total/NA
Lead	14.9		1.2	0.55	mg/Kg	1	✱	6010D	Total/NA
Magnesium	7960		23.8	10.1	mg/Kg	1	✱	6010D	Total/NA
Manganese	254	F1	1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	27.4	^5-	5.9	0.30	mg/Kg	1	✱	6010D	Total/NA
Potassium	3960	F1	35.7	28.8	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.7	J	4.8	0.95	mg/Kg	1	✱	6010D	Total/NA
Sodium	150	J	166	72.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	27.8		0.59	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	56.9	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.019	J	0.025	0.0059	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	19	vs	5.8	2.7	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	11	vs	5.8	0.60	ug/Kg	1	✱	8260C	Total/NA
Aluminum	11800		12.1	10.4	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.1	J	18.1	0.64	mg/Kg	1	✱	6010D	Total/NA
Arsenic	10.2		2.4	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	70.3		0.60	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.60		0.24	0.048	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.44		0.24	0.085	mg/Kg	1	✱	6010D	Total/NA
Calcium	42000		60.5	32.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	17.0		0.60	0.44	mg/Kg	1	✱	6010D	Total/NA
Cobalt	10.4		0.60	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	32.9		1.2	0.69	mg/Kg	1	✱	6010D	Total/NA
Iron	25200		12.1	10.3	mg/Kg	1	✱	6010D	Total/NA
Lead	17.0		1.2	0.56	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native (Continued)

Lab Sample ID: 480-229829-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	7550		24.2	10.3	mg/Kg	1	✱	6010D	Total/NA
Manganese	305		1.2	0.34	mg/Kg	1	✱	6010D	Total/NA
Nickel	30.0	^5-	6.0	0.30	mg/Kg	1	✱	6010D	Total/NA
Potassium	2410		36.3	29.3	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.2	J	4.8	0.97	mg/Kg	1	✱	6010D	Total/NA
Sodium	152	J	169	74.1	mg/Kg	1	✱	6010D	Total/NA
Vanadium	23.2		0.60	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	77.1	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.017	J	0.025	0.0058	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	9.7	J vs	28	2.1	ug/Kg	1	✱	8260C	Total/NA
Acetone	85	vs	28	4.8	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	7.0	vs	5.7	2.6	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	2.1	J vs	5.7	0.58	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	150	J *-	180	28	ug/Kg	1	✱	8270D	Total/NA
Anthracene	62	J *-	180	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	200	*-	180	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	160	J	180	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	220	*-	180	24	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	100	J *-	180	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	130	J	180	41	ug/Kg	1	✱	8270D	Total/NA
Chrysene	280	*-	180	44	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	70	J *-	180	32	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	520	*-	180	33	ug/Kg	1	✱	8270D	Total/NA
Fluorene	33	J *-	180	33	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	76	J *-	180	27	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	110	J	180	30	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	480	*-	180	34	ug/Kg	1	✱	8270D	Total/NA
Pyrene	410	*-	180	34	ug/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene - RE	190		190	30	ug/Kg	1	✱	8270D	Total/NA
Anthracene - RE	84	J	190	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene - RE	260		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene - RE	210		190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene - RE	350		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene - RE	170	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene - RE	140	J	190	43	ug/Kg	1	✱	8270D	Total/NA
Chrysene - RE	340		190	46	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene - RE	48	J	190	39	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran - RE	91	J	190	34	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene - RE	640		190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - RE	120	J	190	29	ug/Kg	1	✱	8270D	Total/NA
Naphthalene - RE	130	J	190	32	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene - RE	590		190	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene - RE	550		190	36	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	3.1	J	3.8	0.88	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	3.2	J B	3.8	0.77	ug/Kg	1	✱	8081B	Total/NA
Aluminum	7240		11.1	9.6	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.4	J	16.6	0.59	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill (Continued)

Lab Sample ID: 480-229829-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.6		2.2	0.98	mg/Kg	1	✱	6010D	Total/NA
Barium	76.2		0.55	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.98		0.22	0.044	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.31		0.22	0.078	mg/Kg	1	✱	6010D	Total/NA
Calcium	4510		55.4	29.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	9.7		0.55	0.40	mg/Kg	1	✱	6010D	Total/NA
Cobalt	7.6		0.55	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	73.0		1.1	0.63	mg/Kg	1	✱	6010D	Total/NA
Iron	23700		11.1	9.4	mg/Kg	1	✱	6010D	Total/NA
Lead	73.1		1.1	0.51	mg/Kg	1	✱	6010D	Total/NA
Magnesium	975		22.2	9.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	231		1.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Nickel	14.3	^5-	5.5	0.28	mg/Kg	1	✱	6010D	Total/NA
Potassium	827		33.2	26.9	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.6	J	4.4	0.89	mg/Kg	1	✱	6010D	Total/NA
Sodium	96.2	J	155	67.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	16.4		0.55	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	98.3	^5-	2.2	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.20		0.022	0.0051	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	1.1	J vs	5.8	0.60	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	86	J *	200	31	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	43	J *	200	36	ug/Kg	1	✱	8270D	Total/NA
Anthracene	98	J *	200	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	260	*-	200	27	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	220		200	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	320	*-	200	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	140	J *	200	34	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	110	J	200	44	ug/Kg	1	✱	8270D	Total/NA
Carbazole	39	J *	200	38	ug/Kg	1	✱	8270D	Total/NA
Chrysene	340	*-	200	47	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	52	J *	200	40	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	44	J *	200	34	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	580	*-	200	36	ug/Kg	1	✱	8270D	Total/NA
Fluorene	42	J *	200	36	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	110	J *	200	29	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	59	J	200	32	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	480	*-	200	37	ug/Kg	1	✱	8270D	Total/NA
Pyrene	500	*-	200	37	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene - RE	99	J	200	37	ug/Kg	1	✱	8270D	Total/NA
Anthracene - RE	220		200	37	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene - RE	440		200	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene - RE	350		200	34	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene - RE	470		200	27	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene - RE	200		200	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene - RE	190	J	200	45	ug/Kg	1	✱	8270D	Total/NA
Carbazole - RE	54	J	200	39	ug/Kg	1	✱	8270D	Total/NA
Chrysene - RE	460		200	48	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill (Continued)

Lab Sample ID: 480-229829-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene - RE	56	J	200	40	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran - RE	51	J	200	35	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene - RE	1000		200	36	ug/Kg	1	✱	8270D	Total/NA
Fluorene - RE	82	J	200	37	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - RE	150	J	200	30	ug/Kg	1	✱	8270D	Total/NA
Naphthalene - RE	33	J	200	33	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene - RE	850		200	37	ug/Kg	1	✱	8270D	Total/NA
Pyrene - RE	840		200	38	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	3.1	J	3.9	0.91	ug/Kg	1	✱	8081B	Total/NA
Aluminum	8120		11.6	10	mg/Kg	1	✱	6010D	Total/NA
Antimony	2.2	J	17.3	0.61	mg/Kg	1	✱	6010D	Total/NA
Arsenic	19.1		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	367		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.65		0.23	0.046	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.31		0.23	0.081	mg/Kg	1	✱	6010D	Total/NA
Calcium	7840		57.8	31.2	mg/Kg	1	✱	6010D	Total/NA
Chromium	14.9		0.58	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.0		0.58	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	57.7		1.2	0.66	mg/Kg	1	✱	6010D	Total/NA
Iron	31500		11.6	9.8	mg/Kg	1	✱	6010D	Total/NA
Lead	674		1.2	0.53	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1210		23.1	9.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	446		1.2	0.32	mg/Kg	1	✱	6010D	Total/NA
Nickel	16.4	^5-	5.8	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	1230		34.7	28.0	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.1	J	4.6	0.92	mg/Kg	1	✱	6010D	Total/NA
Sodium	230		162	70.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	26.8		0.58	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	249	^5-	11.6	5.9	mg/Kg	5	✱	6010D	Total/NA
Mercury	0.43		0.024	0.0055	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9	J vs	29	5.0	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	1.1	J vs	5.9	0.61	ug/Kg	1	✱	8260C	Total/NA
Aluminum	12500		11.6	10.0	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.0	J	17.5	0.62	mg/Kg	1	✱	6010D	Total/NA
Arsenic	5.4		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	108		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.78		0.23	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.15	J	0.23	0.081	mg/Kg	1	✱	6010D	Total/NA
Calcium	1940		58.2	31.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	16.9		0.58	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	10.4		0.58	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	27.1		1.2	0.66	mg/Kg	1	✱	6010D	Total/NA
Iron	22000		11.6	9.9	mg/Kg	1	✱	6010D	Total/NA
Lead	20.9		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3530		23.3	9.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	200		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	26.9	^5-	5.8	0.29	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native (Continued)

Lab Sample ID: 480-229829-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	3020		34.9	28.2	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.3	J	4.7	0.93	mg/Kg	1	✱	6010D	Total/NA
Sodium	90.9	J	163	71.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	21.5		0.58	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	67.7	^5-	2.3	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.021	J	0.025	0.0057	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.2	vs	5.8	2.7	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	3.3	J vs	5.8	0.59	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	99	J *-	190	30	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	140	J *-	190	36	ug/Kg	1	✱	8270D	Total/NA
Anthracene	350	*-	190	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	1000	*-	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	850		190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	1100	*-	190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	490	*-	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	460		190	43	ug/Kg	1	✱	8270D	Total/NA
Carbazole	120	J *-	190	38	ug/Kg	1	✱	8270D	Total/NA
Chrysene	1000	*-	190	46	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	160	J *-	190	39	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	93	J *-	190	34	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	2100	*-	190	35	ug/Kg	1	✱	8270D	Total/NA
Fluorene	110	J *-	190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	390	*-	190	29	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	58	J	190	32	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	1500	*-	190	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene	1800	*-	190	36	ug/Kg	1	✱	8270D	Total/NA
Biphenyl - RE	39	J	190	36	ug/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene - RE	330		190	30	ug/Kg	1	✱	8270D	Total/NA
Anthracene - RE	38	J	190	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene - RE	160	J	190	27	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene - RE	120	J	190	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene - RE	220		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene - RE	85	J	190	34	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene - RE	68	J	190	43	ug/Kg	1	✱	8270D	Total/NA
Chrysene - RE	210		190	47	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran - RE	100	J	190	34	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene - RE	280		190	35	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - RE	68	J	190	29	ug/Kg	1	✱	8270D	Total/NA
Naphthalene - RE	210		190	32	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene - RE	390		190	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene - RE	260		190	37	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	3.2	J	3.8	0.89	ug/Kg	1	✱	8081B	Total/NA
Endosulfan II	0.86	J	3.8	0.69	ug/Kg	1	✱	8081B	Total/NA
Endrin ketone	2.7	J	3.8	0.94	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	6.1	B	3.8	0.78	ug/Kg	1	✱	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.30	J	0.40	0.13	ng/g	1	✱	1633	Total/NA
Aluminum	9850		11.8	10.1	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill (Continued)

Lab Sample ID: 480-229829-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.7	J	17.6	0.62	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.2		2.4	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	90.1		0.59	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.52		0.24	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.23	J	0.24	0.082	mg/Kg	1	✱	6010D	Total/NA
Calcium	14200		58.8	31.7	mg/Kg	1	✱	6010D	Total/NA
Chromium	12.9		0.59	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	7.8		0.59	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	57.3		1.2	0.67	mg/Kg	1	✱	6010D	Total/NA
Iron	19800		11.8	10	mg/Kg	1	✱	6010D	Total/NA
Lead	110		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3170		23.5	10	mg/Kg	1	✱	6010D	Total/NA
Manganese	297		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	17.4	^5-	5.9	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	1800		35.3	28.5	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.0	J	4.7	0.94	mg/Kg	1	✱	6010D	Total/NA
Sodium	101	J	165	72.1	mg/Kg	1	✱	6010D	Total/NA
Vanadium	22.2		0.59	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	105	^5-	2.4	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.69		0.023	0.0053	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.8	J vs	28	4.7	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.35	J vs	5.6	0.34	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	32	vs	5.6	2.6	ug/Kg	1	✱	8260C	Total/NA
trans-1,2-Dichloroethene	18	vs	5.6	0.57	ug/Kg	1	✱	8260C	Total/NA
Methoxychlor	3.9	B	3.7	0.76	ug/Kg	1	✱	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.32	J	0.40	0.13	ng/g	1	✱	1633	Total/NA
Aluminum	11000		11.7	10.1	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.6	J	17.6	0.62	mg/Kg	1	✱	6010D	Total/NA
Arsenic	12.7		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	66.0		0.59	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.68		0.23	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.31		0.23	0.082	mg/Kg	1	✱	6010D	Total/NA
Calcium	12200		58.5	31.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	15.6		0.59	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.1		0.59	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	47.0		1.2	0.67	mg/Kg	1	✱	6010D	Total/NA
Iron	28000		11.7	9.9	mg/Kg	1	✱	6010D	Total/NA
Lead	30.3		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA
Magnesium	5230		23.4	9.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	234		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	31.6	^5-	5.9	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	2590		35.1	28.4	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.3	J	4.7	0.94	mg/Kg	1	✱	6010D	Total/NA
Sodium	88.2	J	164	71.7	mg/Kg	1	✱	6010D	Total/NA
Vanadium	21.9		0.59	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	88.3	^5-	2.3	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.018	J	0.022	0.0049	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

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	5.9	0.43	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	5.9	0.95	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.3	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,1,2-Trichloroethane	ND	*3 vs	5.9	0.76	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,1-Dichloroethane	ND	vs	5.9	0.72	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,1-Dichloroethene	ND	vs	5.9	0.72	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2,4-Trichlorobenzene	ND	*3 vs	5.9	0.36	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	5.9	2.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2-Dichlorobenzene	ND	*3 vs	5.9	0.46	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2-Dichloropropane	ND	vs	5.9	2.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,3-Dichlorobenzene	ND	*3 vs	5.9	0.30	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,4-Dichlorobenzene	ND	*3 vs	5.9	0.82	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
2-Butanone (MEK)	ND	vs	29	2.2	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
2-Hexanone	ND	*3 vs	29	2.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
4-Methyl-2-pentanone (MIBK)	ND	*3 vs	29	1.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Acetone	26	J vs	29	5.0	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Benzene	ND	vs	5.9	0.29	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Bromoform	ND	*3 vs	5.9	2.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Carbon disulfide	ND	vs	5.9	2.9	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Carbon tetrachloride	ND	vs	5.9	0.57	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Chlorobenzene	ND	*3 vs	5.9	0.78	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Dibromochloromethane	ND	*3 vs	5.9	0.75	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Chloroform	0.38	J vs	5.9	0.36	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.75	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Cyclohexane	ND	vs	5.9	0.82	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Bromodichloromethane	ND	vs	5.9	0.79	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Ethylbenzene	ND	*3 vs	5.9	0.41	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
1,2-Dibromoethane	ND	*3 vs	5.9	0.76	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Isopropylbenzene	ND	*3 vs	5.9	0.89	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Methyl acetate	ND	vs	29	3.6	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Methylcyclohexane	ND	vs	5.9	0.89	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Methylene Chloride	23	vs	5.9	2.7	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Tetrachloroethene	ND	*3 vs	5.9	0.79	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Toluene	ND	*3 vs	5.9	0.44	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
trans-1,2-Dichloroethene	9.7	vs	5.9	0.61	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
trans-1,3-Dichloropropene	ND	*3 vs	5.9	2.6	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Vinyl chloride	ND	vs	5.9	0.72	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Xylenes, Total	ND	vs	12	0.99	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.85	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1
Styrene	ND	*3 vs	5.9	0.29	ug/Kg	✱	06/02/25 11:51	06/02/25 22:42	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/02/25 11:51	06/02/25 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126				06/02/25 11:51	06/02/25 22:42	1
4-Bromofluorobenzene (Surr)	73	*3	72 - 126				06/02/25 11:51	06/02/25 22:42	1
Toluene-d8 (Surr)	138	S1+ *3	71 - 125				06/02/25 11:51	06/02/25 22:42	1
Dibromofluoromethane (Surr)	114		60 - 140				06/02/25 11:51	06/02/25 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
1,4-Dioxane	ND		120	44	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Chlorophenol	ND		200	31	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Methylphenol	ND		200	32	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Nitroaniline	ND		390	34	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
2-Nitrophenol	ND		200	23	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
3-Nitroaniline	ND		390	28	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Chloroaniline	ND		200	29	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Methylphenol	ND		390	36	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Nitroaniline	ND		390	29	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
4-Nitrophenol	ND		390	54	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Acenaphthene	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Acenaphthylene	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Acetophenone	ND		200	35	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Anthracene	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Atrazine	ND		200	67	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzaldehyde	ND		200	150	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzo[b]fluoranthene	34	J	200	27	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☆	06/03/25 06:37	06/04/25 13:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Caprolactam	ND		200	46	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Carbazole	ND		200	39	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Chrysene	ND		200	48	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Dibenzofuran	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Fluoranthene	41	J	200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Fluorene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Isophorone	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Naphthalene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Phenanthrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Phenol	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1
Pyrene	43	J	200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	40000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 13:18	1
Unknown	2200	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 13:18	1
9-Tricosene, (Z)-	860	T J N	ug/Kg	☼	13.18	27519-02-4	06/03/25 06:37	06/04/25 13:18	1
1-Docosene	1400	T J N	ug/Kg	☼	13.71	1599-67-3	06/03/25 06:37	06/04/25 13:18	1
Unknown	560	T J	ug/Kg	☼	15.66	N/A	06/03/25 06:37	06/04/25 13:18	1
Unknown	350	T J	ug/Kg	☼	15.71	N/A	06/03/25 06:37	06/04/25 13:18	1
Unknown	640	T J	ug/Kg	☼	16.21	N/A	06/03/25 06:37	06/04/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		22 - 120	06/03/25 06:37	06/04/25 13:18	1
p-Terphenyl-d14 (Surr)	83		28 - 124	06/03/25 06:37	06/04/25 13:18	1
Phenol-d5 (Surr)	69		23 - 120	06/03/25 06:37	06/04/25 13:18	1
2-Fluorophenol (Surr)	68		18 - 120	06/03/25 06:37	06/04/25 13:18	1
2,4,6-Tribromophenol (Surr)	81		10 - 140	06/03/25 06:37	06/04/25 13:18	1
2-Fluorobiphenyl (Surr)	74		29 - 120	06/03/25 06:37	06/04/25 13:18	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.81	J	3.9	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 11:25	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 11:25	1
4,4'-DDT	ND		3.9	0.91	ug/Kg	☼	06/03/25 13:20	06/04/25 11:25	1
beta-BHC	ND		3.9	0.70	ug/Kg	☼	06/03/25 13:20	06/04/25 11:25	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	ND		3.9	1.9	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
alpha-BHC	ND		3.9	0.70	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Aldrin	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
delta-BHC	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Dieldrin	ND		3.9	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endosulfan II	ND		3.9	0.70	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endosulfan sulfate	1.4	J	3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endrin	ND		3.9	0.77	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Endrin ketone	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Heptachlor	ND		3.9	0.84	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Methoxychlor	ND		3.9	0.79	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:20	06/04/25 11:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		45 - 120	06/03/25 13:20	06/04/25 11:25	1
DCB Decachlorobiphenyl	77		45 - 120	06/03/25 13:20	06/04/25 11:25	1
Tetrachloro-m-xylene	65		30 - 124	06/03/25 13:20	06/04/25 11:25	1
Tetrachloro-m-xylene	70		30 - 124	06/03/25 13:20	06/04/25 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1221	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1232	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1242	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1248	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1254	ND		0.21	0.097	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1
PCB-1260	ND		0.21	0.097	mg/Kg	☆	06/02/25 07:20	06/02/25 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	138		60 - 154	06/02/25 07:20	06/02/25 16:59	1
Tetrachloro-m-xylene	141		60 - 154	06/02/25 07:20	06/02/25 16:59	1
DCB Decachlorobiphenyl	131		65 - 174	06/02/25 07:20	06/02/25 16:59	1
DCB Decachlorobiphenyl	137		65 - 174	06/02/25 07:20	06/02/25 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 05:35	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	✱	06/04/25 07:50	06/05/25 05:35	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	87.1		8 - 130	06/04/25 07:50	06/05/25 05:35	1
13C5-PFPeA	96.0		35 - 130	06/04/25 07:50	06/05/25 05:35	1
13C5-PFHxA	93.8		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C4-PFHpA	94.7		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C8-PFOA	86.2		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C9-PFNA	84.1		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C6-PFDA	83.0		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C7-PFUnA	82.6		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C2-PFTeDA	69.8		20 - 130	06/04/25 07:50	06/05/25 05:35	1
13C3-PFBS	73.3		40 - 135	06/04/25 07:50	06/05/25 05:35	1
13C3-PFHxS	76.7		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C8-PFOS	80.9		40 - 130	06/04/25 07:50	06/05/25 05:35	1
13C8-PFOSA	75.2		40 - 130	06/04/25 07:50	06/05/25 05:35	1
d3-NMeFOSAA	91.7		40 - 135	06/04/25 07:50	06/05/25 05:35	1
d5-NEtFOSAA	85.8		40 - 150	06/04/25 07:50	06/05/25 05:35	1
13C2 4:2 FTS	74.7		40 - 165	06/04/25 07:50	06/05/25 05:35	1
13C2 6:2 FTS	83.7		40 - 215	06/04/25 07:50	06/05/25 05:35	1
13C2 8:2 FTS	75.0		40 - 275	06/04/25 07:50	06/05/25 05:35	1
13C3-HFPO-DA	81.4		40 - 130	06/04/25 07:50	06/05/25 05:35	1
D7-NMeFOSE	55.4		20 - 130	06/04/25 07:50	06/05/25 05:35	1
D9-NEtFOSE	47.8		15 - 130	06/04/25 07:50	06/05/25 05:35	1
d5-NEtPFOSA	55.5		10 - 130	06/04/25 07:50	06/05/25 05:35	1
d3-NMePFOSA	51.2		10 - 130	06/04/25 07:50	06/05/25 05:35	1
13C2 PFDaA	78.1		40 - 130	06/04/25 07:50	06/05/25 05:35	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11100		12.0	10.4	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Antimony	1.1	J	18.0	0.64	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Arsenic	7.5		2.4	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Barium	71.6		0.60	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Beryllium	0.49		0.24	0.048	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Cadmium	0.25		0.24	0.084	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Calcium	2570		60.1	32.5	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Chromium	12.2		0.60	0.43	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Cobalt	10.6		0.60	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Copper	71.2		1.2	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Iron	22100		12.0	10.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Lead	86.8		1.2	0.55	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Magnesium	2860		24.1	10.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Manganese	430		1.2	0.34	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Nickel	21.1	^5-	6.0	0.30	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Potassium	1530		36.1	29.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Selenium	ND		4.8	0.96	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Silver	ND	^5-	0.72	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Sodium	300		168	73.7	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Thallium	ND		7.2	0.91	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Vanadium	18.0		0.60	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1
Zinc	140	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:54	1

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Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Date Collected: 05/30/25 10:15

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-1

Matrix: Solid

Percent Solids: 84.8

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.52	mg/Kg	☆	06/04/25 14:20	06/04/25 17:04	1

Client Sample ID: RI-BH-14 Native

Date Collected: 05/30/25 10:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-2

Matrix: Solid

Percent Solids: 80.1

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	0.44	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,1,2,2-Tetrachloroethane	ND	vs	6.1	0.99	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,1,2-Trichloroethane	ND	vs	6.1	0.80	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2,4-Trichlorobenzene	ND	vs	6.1	0.37	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2-Dichlorobenzene	ND	vs	6.1	0.48	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2-Dichloroethane	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2-Dichloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,3-Dichlorobenzene	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
2-Butanone (MEK)	ND	vs	31	2.2	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Acetone	ND	vs	31	5.2	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Benzene	ND	vs	6.1	0.30	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Bromoform	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Carbon disulfide	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Dibromochloromethane	ND	vs	6.1	0.78	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Chloroform	ND	vs	6.1	0.38	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Chloromethane	ND	vs	6.1	0.37	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.78	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Cyclohexane	ND	vs	6.1	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Bromodichloromethane	ND	vs	6.1	0.82	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Dichlorodifluoromethane	ND	vs	6.1	0.51	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
1,2-Dibromoethane	ND	vs	6.1	0.79	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Isopropylbenzene	ND	vs	6.1	0.92	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Methyl acetate	ND	vs	31	3.7	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Methylcyclohexane	1.4	J vs	6.1	0.93	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1
Methylene Chloride	10	vs	6.1	2.8	ug/Kg	☆	06/01/25 18:04	06/02/25 02:56	1

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Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	vs	6.1	0.82	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Toluene	ND	vs	6.1	0.46	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
trans-1,2-Dichloroethene	7.8	vs	6.1	0.63	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Trichlorofluoromethane	ND	vs	6.1	0.58	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.88	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1
Styrene	ND	vs	6.1	0.31	ug/Kg	☼	06/01/25 18:04	06/02/25 02:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/01/25 18:04	06/02/25 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	06/01/25 18:04	06/02/25 02:56	1
4-Bromofluorobenzene (Surr)	93		72 - 126	06/01/25 18:04	06/02/25 02:56	1
Toluene-d8 (Surr)	103		71 - 125	06/01/25 18:04	06/02/25 02:56	1
Dibromofluoromethane (Surr)	102		60 - 140	06/01/25 18:04	06/02/25 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
1,4-Dioxane	ND		120	44	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Methylphenol	ND		200	32	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Chloroaniline	ND		200	29	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Methylphenol	ND		390	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
4-Nitrophenol	ND		390	54	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Acenaphthene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Acenaphthylene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1

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Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Anthracene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Atrazine	ND		200	67	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Caprolactam	ND		200	46	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Carbazole	ND		200	39	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Chrysene	ND		200	48	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Dibenzofuran	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Fluoranthene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Fluorene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Isophorone	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Naphthalene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Phenanthrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Phenol	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1
Pyrene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 13:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	14000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 13:43	1
Unknown	2400	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 13:43	1
Unknown	330	T J	ug/Kg	☼	13.47	N/A	06/03/25 06:37	06/04/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		22 - 120	06/03/25 06:37	06/04/25 13:43	1
p-Terphenyl-d14 (Surr)	87		28 - 124	06/03/25 06:37	06/04/25 13:43	1
Phenol-d5 (Surr)	76		23 - 120	06/03/25 06:37	06/04/25 13:43	1
2-Fluorophenol (Surr)	75		18 - 120	06/03/25 06:37	06/04/25 13:43	1
2,4,6-Tribromophenol (Surr)	79		10 - 140	06/03/25 06:37	06/04/25 13:43	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		29 - 120	06/03/25 06:37	06/04/25 13:43	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.1	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
4,4'-DDE	ND		4.1	0.87	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
4,4'-DDT	ND		4.1	0.97	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
beta-BHC	ND		4.1	0.74	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
cis-Chlordane	ND		4.1	2.1	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
alpha-BHC	ND		4.1	0.74	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Aldrin	ND		4.1	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
delta-BHC	ND		4.1	0.77	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Dieldrin	ND		4.1	0.99	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endosulfan I	ND		4.1	0.79	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endosulfan II	ND		4.1	0.74	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endosulfan sulfate	1.2	J	4.1	0.77	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endrin	ND		4.1	0.82	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endrin aldehyde	ND		4.1	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Endrin ketone	ND		4.1	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
gamma-BHC (Lindane)	ND		4.1	0.76	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
trans-Chlordane	ND		4.1	1.3	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Heptachlor	ND		4.1	0.89	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Heptachlor epoxide	ND		4.1	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Methoxychlor	ND		4.1	0.84	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1
Toxaphene	ND		41	24	ug/Kg	☆	06/03/25 13:20	06/04/25 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		45 - 120	06/03/25 13:20	06/04/25 11:44	1
DCB Decachlorobiphenyl	71		45 - 120	06/03/25 13:20	06/04/25 11:44	1
Tetrachloro-m-xylene	68		30 - 124	06/03/25 13:20	06/04/25 11:44	1
Tetrachloro-m-xylene	74		30 - 124	06/03/25 13:20	06/04/25 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1221	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1232	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1242	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1248	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1254	ND		0.23	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1
PCB-1260	ND		0.23	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	138		60 - 154	06/02/25 07:20	06/02/25 17:18	1
Tetrachloro-m-xylene	143		60 - 154	06/02/25 07:20	06/02/25 17:18	1
DCB Decachlorobiphenyl	137		65 - 174	06/02/25 07:20	06/02/25 17:18	1
DCB Decachlorobiphenyl	141		65 - 174	06/02/25 07:20	06/02/25 17:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 05:49	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☆	06/04/25 07:50	06/05/25 05:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 05:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☆	06/04/25 07:50	06/05/25 05:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	☆	06/04/25 07:50	06/05/25 05:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☆	06/04/25 07:50	06/05/25 05:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	78.8		8 - 130				06/04/25 07:50	06/05/25 05:49	1
13C5-PFPeA	85.4		35 - 130				06/04/25 07:50	06/05/25 05:49	1
13C5-PFHxA	79.7		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C4-PFHpA	82.1		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C8-PFOA	76.6		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C9-PFNA	80.5		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C6-PFDA	75.4		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C7-PFUnA	67.0		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C2-PFTeDA	50.0		20 - 130				06/04/25 07:50	06/05/25 05:49	1
13C3-PFBS	63.6		40 - 135				06/04/25 07:50	06/05/25 05:49	1
13C3-PFHxS	66.3		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C8-PFOS	60.7		40 - 130				06/04/25 07:50	06/05/25 05:49	1
13C8-PFOSA	62.0		40 - 130				06/04/25 07:50	06/05/25 05:49	1
d3-NMeFOSAA	72.3		40 - 135				06/04/25 07:50	06/05/25 05:49	1
d5-NEtFOSAA	73.0		40 - 150				06/04/25 07:50	06/05/25 05:49	1
13C2 4:2 FTS	62.2		40 - 165				06/04/25 07:50	06/05/25 05:49	1
13C2 6:2 FTS	66.2		40 - 215				06/04/25 07:50	06/05/25 05:49	1
13C2 8:2 FTS	62.7		40 - 275				06/04/25 07:50	06/05/25 05:49	1
13C3-HFPO-DA	71.6		40 - 130				06/04/25 07:50	06/05/25 05:49	1
D7-NMeFOSE	40.2		20 - 130				06/04/25 07:50	06/05/25 05:49	1
D9-NEtFOSE	35.9		15 - 130				06/04/25 07:50	06/05/25 05:49	1
d5-NEtPFOSA	41.2		10 - 130				06/04/25 07:50	06/05/25 05:49	1
d3-NMePFOSA	41.8		10 - 130				06/04/25 07:50	06/05/25 05:49	1
13C2 PFDoA	64.0		40 - 130				06/04/25 07:50	06/05/25 05:49	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19900		12.7	10.9	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Antimony	1.9	J	19.0	0.67	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Arsenic	10		2.5	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Barium	157		0.63	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Beryllium	0.98		0.25	0.051	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Cadmium	0.25		0.25	0.089	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Calcium	24400		63.5	34.3	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Chromium	27.3		0.63	0.46	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Cobalt	16.4		0.63	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Copper	24.9		1.3	0.72	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Iron	35000		12.7	10.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Lead	15.8		1.3	0.58	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Magnesium	7370		25.4	10.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	356		1.3	0.36	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Nickel	43.3	^5-	6.3	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Potassium	3530		38.1	30.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Selenium	ND		5.1	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Silver	ND	^5-	0.76	0.25	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Sodium	178		178	77.9	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Thallium	ND		7.6	0.97	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Vanadium	33.6		0.63	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1
Zinc	65.7	^5-	2.5	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 16:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.026	0.0060	mg/Kg	☆	06/02/25 13:35	06/02/25 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.59	mg/Kg	☆	06/04/25 14:20	06/04/25 17:05	1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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	☆	06/02/25 11:51	06/02/25 23:09	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	6.0	0.97	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.0	1.4	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,1,2-Trichloroethane	ND	*3 vs	6.0	0.78	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,1-Dichloroethane	ND	vs	6.0	0.73	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,1-Dichloroethene	ND	vs	6.0	0.73	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2,4-Trichlorobenzene	ND	*3 vs	6.0	0.36	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	6.0	3.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2-Dichlorobenzene	ND	*3 vs	6.0	0.47	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2-Dichloroethane	ND	vs	6.0	0.30	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2-Dichloropropane	ND	vs	6.0	3.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,3-Dichlorobenzene	ND	*3 vs	6.0	0.31	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,4-Dichlorobenzene	ND	*3 vs	6.0	0.84	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
2-Butanone (MEK)	ND	vs	30	2.2	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
2-Hexanone	ND	*3 vs	30	3.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
4-Methyl-2-pentanone (MIBK)	ND	*3 vs	30	2.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Acetone	ND	vs	30	5.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Benzene	ND	vs	6.0	0.29	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Bromoform	ND	*3 vs	6.0	3.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Bromomethane	ND	vs	6.0	0.54	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Carbon disulfide	ND	vs	6.0	3.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Carbon tetrachloride	ND	vs	6.0	0.58	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Chlorobenzene	ND	*3 vs	6.0	0.79	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Dibromochloromethane	ND	*3 vs	6.0	0.77	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Chloroethane	ND	vs	6.0	1.4	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Chloroform	0.43	J vs	6.0	0.37	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	6.0	0.36	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
cis-1,2-Dichloroethene	ND	vs	6.0	0.77	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Cyclohexane	ND	vs	6.0	0.84	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Bromodichloromethane	ND	vs	6.0	0.80	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Dichlorodifluoromethane	ND	vs	6.0	0.50	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Ethylbenzene	ND	*3 vs	6.0	0.41	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
1,2-Dibromoethane	ND	*3 vs	6.0	0.77	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Isopropylbenzene	ND	*3 vs	6.0	0.90	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Methyl acetate	ND	vs	30	3.6	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Methyl tert-butyl ether	ND	vs	6.0	0.59	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Methylcyclohexane	ND	vs	6.0	0.91	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Methylene Chloride	22	vs	6.0	2.8	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Tetrachloroethene	ND	*3 vs	6.0	0.80	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Toluene	ND	*3 vs	6.0	0.45	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
trans-1,2-Dichloroethene	13	vs	6.0	0.62	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
trans-1,3-Dichloropropene	ND	*3 vs	6.0	2.6	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Trichloroethene	ND	vs	6.0	1.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Trichlorofluoromethane	ND	vs	6.0	0.57	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Vinyl chloride	ND	vs	6.0	0.73	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
cis-1,3-Dichloropropene	ND	vs	6.0	0.86	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1
Styrene	ND	*3 vs	6.0	0.30	ug/Kg	☆	06/02/25 11:51	06/02/25 23:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/02/25 11:51	06/02/25 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	06/02/25 11:51	06/02/25 23:09	1
4-Bromofluorobenzene (Surr)	79	*3	72 - 126	06/02/25 11:51	06/02/25 23:09	1
Toluene-d8 (Surr)	138	S1+ *3	71 - 125	06/02/25 11:51	06/02/25 23:09	1
Dibromofluoromethane (Surr)	126		60 - 140	06/02/25 11:51	06/02/25 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	370	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
1,4-Dioxane	ND		1200	430	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4,5-Trichlorophenol	ND		2000	400	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4,6-Trichlorophenol	ND		2000	300	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4-Dichlorophenol	ND		2000	380	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4-Dimethylphenol	ND		2000	410	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4-Dinitrophenol	ND		19000	370	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,4-Dinitrotoluene	ND		2000	270	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2,6-Dinitrotoluene	ND		2000	280	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Chloronaphthalene	ND		2000	360	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Chlorophenol	ND		2000	310	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Methylnaphthalene	520	J	2000	310	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Methylphenol	ND		2000	320	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Nitroaniline	ND		3800	330	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10
2-Nitrophenol	ND		2000	220	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		3800	570	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
3-Nitroaniline	ND		3800	280	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4,6-Dinitro-2-methylphenol	ND		3800	430	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Bromophenyl phenyl ether	ND		2000	330	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Chloro-3-methylphenol	ND		2000	400	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Chloroaniline	ND		2000	280	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Chlorophenyl phenyl ether	ND		2000	410	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Methylphenol	ND		3800	350	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Nitroaniline	ND		3800	290	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
4-Nitrophenol	ND		3800	530	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Acenaphthene	ND		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Acenaphthylene	ND		2000	370	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Acetophenone	ND		2000	340	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Anthracene	960	J	2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Atrazine	ND		2000	660	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzaldehyde	ND		2000	1500	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzo[a]anthracene	2100		2000	270	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzo[a]pyrene	1900	J	2000	330	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzo[b]fluoranthene	2400		2000	260	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzo[g,h,i]perylene	1300	J	2000	340	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Benzo[k]fluoranthene	1400	J	2000	440	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Bis(2-chloroethoxy)methane	ND		2000	370	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Bis(2-chloroethyl)ether	ND		2000	370	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Bis(2-ethylhexyl) phthalate	ND		2000	420	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Butyl benzyl phthalate	ND		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Caprolactam	ND		2000	450	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Carbazole	ND		2000	380	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Chrysene	1900	J	2000	470	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Dibenz(a,h)anthracene	480	J	2000	390	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Dibenzofuran	ND		2000	340	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Diethyl phthalate	ND		2000	350	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Dimethyl phthalate	ND		2000	380	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Di-n-butyl phthalate	ND		2000	440	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Di-n-octyl phthalate	ND		2000	370	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Fluoranthene	5700		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Fluorene	ND		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Hexachlorobenzene	ND		2000	380	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Hexachlorocyclopentadiene	ND		3800	850	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Hexachloroethane	ND		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Indeno[1,2,3-cd]pyrene	1200	J	2000	290	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Isophorone	ND		2000	400	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Naphthalene	380	J	2000	320	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Nitrobenzene	ND		2000	330	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
N-Nitrosodi-n-propylamine	ND		2000	440	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
N-Nitrosodiphenylamine	ND		2000	330	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Pentachlorophenol	ND		3800	620	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Phenanthrene	4500		2000	370	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10
Phenol	ND		2000	360	ug/Kg	✱	06/03/25 06:37	06/04/25 14:08	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	4100		2000	370	ug/Kg	☆	06/03/25 06:37	06/04/25 14:08	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/03/25 06:37	06/04/25 14:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	58		22 - 120	06/03/25 06:37	06/04/25 14:08	10
p-Terphenyl-d14 (Surr)	48		28 - 124	06/03/25 06:37	06/04/25 14:08	10
Phenol-d5 (Surr)	56		23 - 120	06/03/25 06:37	06/04/25 14:08	10
2-Fluorophenol (Surr)	42		18 - 120	06/03/25 06:37	06/04/25 14:08	10
2,4,6-Tribromophenol (Surr)	62		10 - 140	06/03/25 06:37	06/04/25 14:08	10
2-Fluorobiphenyl (Surr)	64		29 - 120	06/03/25 06:37	06/04/25 14:08	10

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		82	16	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
4,4'-DDE	ND		82	17	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
4,4'-DDT	34	J B	82	19	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
beta-BHC	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
cis-Chlordane	ND		82	41	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
alpha-BHC	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Aldrin	ND		82	20	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
delta-BHC	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Dieldrin	ND		82	20	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endosulfan I	ND		82	16	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endosulfan II	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endosulfan sulfate	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endrin	ND		82	16	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endrin aldehyde	ND		82	21	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Endrin ketone	ND		82	20	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
gamma-BHC (Lindane)	ND		82	15	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
trans-Chlordane	ND		82	26	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Heptachlor	ND		82	18	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Heptachlor epoxide	ND		82	21	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Methoxychlor	ND		82	17	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20
Toxaphene	ND		820	470	ug/Kg	☆	06/03/25 13:20	06/04/25 12:04	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	123	S1+	45 - 120	06/03/25 13:20	06/04/25 12:04	20
DCB Decachlorobiphenyl	132	S1+	45 - 120	06/03/25 13:20	06/04/25 12:04	20
Tetrachloro-m-xylene	126	S1+	30 - 124	06/03/25 13:20	06/04/25 12:04	20
Tetrachloro-m-xylene	141	S1+	30 - 124	06/03/25 13:20	06/04/25 12:04	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
PCB-1221	ND		0.29	0.057	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
PCB-1232	ND		0.29	0.057	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
PCB-1242	ND		0.29	0.057	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
PCB-1248	ND		0.29	0.057	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
PCB-1254	ND		0.29	0.14	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.29	0.14	mg/Kg	☆	06/02/25 07:20	06/02/25 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		60 - 154				06/02/25 07:20	06/02/25 17:36	1
Tetrachloro-m-xylene	81		60 - 154				06/02/25 07:20	06/02/25 17:36	1
DCB Decachlorobiphenyl	83		65 - 174				06/02/25 07:20	06/02/25 17:36	1
DCB Decachlorobiphenyl	88		65 - 174				06/02/25 07:20	06/02/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.19	0.086	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.19	0.077	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☆	06/04/25 07:50	06/05/25 06:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	80.8		8 - 130	06/04/25 07:50	06/05/25 06:03	1
13C5-PFPeA	83.4		35 - 130	06/04/25 07:50	06/05/25 06:03	1
13C5-PFHxA	83.1		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C4-PFHpA	80.3		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C8-PFOA	74.3		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C9-PFNA	75.6		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C6-PFDA	76.7		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C7-PFUnA	74.9		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C2-PFTeDA	62.1		20 - 130	06/04/25 07:50	06/05/25 06:03	1
13C3-PFBS	66.2		40 - 135	06/04/25 07:50	06/05/25 06:03	1
13C3-PFHxS	70.9		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C8-PFOS	77.8		40 - 130	06/04/25 07:50	06/05/25 06:03	1
13C8-PFOSA	62.3		40 - 130	06/04/25 07:50	06/05/25 06:03	1
d3-NMeFOSAA	67.6		40 - 135	06/04/25 07:50	06/05/25 06:03	1
d5-NEtFOSAA	68.0		40 - 150	06/04/25 07:50	06/05/25 06:03	1
13C2 4:2 FTS	72.2		40 - 165	06/04/25 07:50	06/05/25 06:03	1
13C2 6:2 FTS	71.7		40 - 215	06/04/25 07:50	06/05/25 06:03	1
13C2 8:2 FTS	65.0		40 - 275	06/04/25 07:50	06/05/25 06:03	1
13C3-HFPO-DA	66.1		40 - 130	06/04/25 07:50	06/05/25 06:03	1
D7-NMeFOSE	46.5		20 - 130	06/04/25 07:50	06/05/25 06:03	1
D9-NEtFOSE	42.2		15 - 130	06/04/25 07:50	06/05/25 06:03	1
d5-NEtPFOSA	52.5		10 - 130	06/04/25 07:50	06/05/25 06:03	1
d3-NMePFOSA	52.4		10 - 130	06/04/25 07:50	06/05/25 06:03	1
13C2 PFDaA	76.6		40 - 130	06/04/25 07:50	06/05/25 06:03	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7780		12.4	10.7	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Antimony	1.9	J	18.6	0.66	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Arsenic	13.7		2.5	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Barium	366		0.62	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.70		0.25	0.050	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Cadmium	2.2		0.25	0.087	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Calcium	16000		62.2	33.6	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Chromium	133		0.62	0.45	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Cobalt	8.2		0.62	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Copper	119		1.2	0.71	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Iron	24300		12.4	10.5	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Lead	707		1.2	0.57	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Magnesium	2230		24.9	10.5	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Manganese	303		1.2	0.35	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Nickel	95.4	^5-	6.2	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Potassium	1120		37.3	30.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Selenium	1.5	J	5.0	0.99	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Silver	0.28	J ^5-	0.75	0.25	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Sodium	153	J	174	76.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Thallium	ND		7.5	0.94	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Vanadium	23.9		0.62	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 16:57	1
Zinc	542	^5-	12.4	6.3	mg/Kg	☆	06/02/25 15:39	06/06/25 10:32	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.54	mg/Kg	☆	06/04/25 14:20	06/04/25 17:05	1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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	6.2	0.45	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,1,2,2-Tetrachloroethane	ND	vs	6.2	1.0	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.2	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,1,2-Trichloroethane	ND	vs	6.2	0.81	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,1-Dichloroethane	ND	vs	6.2	0.76	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,1-Dichloroethene	ND	vs	6.2	0.76	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,2,4-Trichlorobenzene	ND	vs	6.2	0.38	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.2	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,2-Dichlorobenzene	ND	vs	6.2	0.49	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,2-Dichloroethane	ND	vs	6.2	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,2-Dichloropropane	ND	vs	6.2	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,3-Dichlorobenzene	ND	vs	6.2	0.32	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
1,4-Dichlorobenzene	ND	vs	6.2	0.87	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
2-Butanone (MEK)	ND	vs	31	2.3	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1
Acetone	ND	vs	31	5.2	ug/Kg	☆	06/01/25 18:04	06/02/25 03:50	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	vs	6.2	0.30	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Bromoform	ND	vs	6.2	3.1	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Bromomethane	ND	vs	6.2	0.56	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Carbon disulfide	ND	vs	6.2	3.1	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Carbon tetrachloride	ND	vs	6.2	0.60	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Chlorobenzene	ND	vs	6.2	0.82	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Dibromochloromethane	ND	vs	6.2	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Chloroethane	ND	vs	6.2	1.4	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Chloroform	ND	vs	6.2	0.38	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Chloromethane	ND	vs	6.2	0.38	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
cis-1,2-Dichloroethene	ND	vs	6.2	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Cyclohexane	ND	vs	6.2	0.87	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Bromodichloromethane	ND	vs	6.2	0.83	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Dichlorodifluoromethane	ND	vs	6.2	0.51	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Ethylbenzene	ND	vs	6.2	0.43	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
1,2-Dibromoethane	ND	vs	6.2	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Isopropylbenzene	ND	vs	6.2	0.94	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Methyl acetate	ND	vs	31	3.8	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Methyl tert-butyl ether	ND	vs	6.2	0.61	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Methylcyclohexane	ND	vs	6.2	0.94	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Methylene Chloride	72	vs	6.2	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Tetrachloroethene	ND	vs	6.2	0.83	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Toluene	ND	vs	6.2	0.47	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
trans-1,2-Dichloroethene	50	vs	6.2	0.64	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
trans-1,3-Dichloropropene	ND	vs	6.2	2.7	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Trichloroethene	ND	vs	6.2	1.4	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Trichlorofluoromethane	ND	vs	6.2	0.59	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Vinyl chloride	ND	vs	6.2	0.76	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
cis-1,3-Dichloropropene	ND	vs	6.2	0.89	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1
Styrene	ND	vs	6.2	0.31	ug/Kg	☼	06/01/25 18:04	06/02/25 03:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/01/25 18:04	06/02/25 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	06/01/25 18:04	06/02/25 03:50	1
4-Bromofluorobenzene (Surr)	94		72 - 126	06/01/25 18:04	06/02/25 03:50	1
Toluene-d8 (Surr)	104		71 - 125	06/01/25 18:04	06/02/25 03:50	1
Dibromofluoromethane (Surr)	103		60 - 140	06/01/25 18:04	06/02/25 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
1,4-Dioxane	ND		120	45	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
2,4,6-Trichlorophenol	ND		210	31	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
2,4-Dichlorophenol	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1
2,4-Dimethylphenol	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 14:32	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		2000	39	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2,4-Dinitrotoluene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Chloronaphthalene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Chlorophenol	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Methylnaphthalene	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Methylphenol	ND		210	33	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Nitroaniline	ND		400	35	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
2-Nitrophenol	ND		210	23	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
3,3'-Dichlorobenzidine	ND		400	60	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
3-Nitroaniline	ND		400	29	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4,6-Dinitro-2-methylphenol	ND		400	45	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Bromophenyl phenyl ether	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Chloro-3-methylphenol	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Chloroaniline	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Chlorophenyl phenyl ether	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Methylphenol	ND		400	37	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Nitroaniline	ND		400	30	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
4-Nitrophenol	ND		400	56	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Acenaphthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Acenaphthylene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Acetophenone	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Anthracene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Atrazine	ND		210	70	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzaldehyde	ND		210	160	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzo[a]anthracene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzo[a]pyrene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzo[g,h,i]perylene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Benzo[k]fluoranthene	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Bis(2-ethylhexyl) phthalate	ND		210	45	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Butyl benzyl phthalate	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Caprolactam	ND		210	48	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Carbazole	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Chrysene	ND		210	50	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Dibenz(a,h)anthracene	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Dibenzofuran	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Diethyl phthalate	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Dimethyl phthalate	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Di-n-butyl phthalate	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Di-n-octyl phthalate	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Fluoranthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Fluorene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Hexachlorobenzene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Hexachlorobutadiene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Hexachlorocyclopentadiene	ND		400	90	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Hexachloroethane	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Isophorone	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Naphthalene	ND		210	34	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Nitrobenzene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
N-Nitrosodi-n-propylamine	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Pentachlorophenol	ND		400	66	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Phenanthrene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Phenol	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1
Pyrene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 14:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	14000	T J	ug/Kg	✱	2.00	N/A	06/03/25 06:37	06/04/25 14:32	1
Unknown	2300	T J	ug/Kg	✱	3.47	N/A	06/03/25 06:37	06/04/25 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		22 - 120	06/03/25 06:37	06/04/25 14:32	1
p-Terphenyl-d14 (Surr)	77		28 - 124	06/03/25 06:37	06/04/25 14:32	1
Phenol-d5 (Surr)	72		23 - 120	06/03/25 06:37	06/04/25 14:32	1
2-Fluorophenol (Surr)	66		18 - 120	06/03/25 06:37	06/04/25 14:32	1
2,4,6-Tribromophenol (Surr)	71		10 - 140	06/03/25 06:37	06/04/25 14:32	1
2-Fluorobiphenyl (Surr)	74		29 - 120	06/03/25 06:37	06/04/25 14:32	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.82	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
4,4'-DDE	ND		4.2	0.88	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
4,4'-DDT	ND		4.2	0.98	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
beta-BHC	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
alpha-BHC	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Aldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
delta-BHC	ND		4.2	0.78	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Dieldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endosulfan I	ND		4.2	0.81	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endosulfan II	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endosulfan sulfate	ND		4.2	0.78	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endrin	ND		4.2	0.83	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Endrin ketone	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
gamma-BHC (Lindane)	ND		4.2	0.77	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Heptachlor	ND		4.2	0.91	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Methoxychlor	ND		4.2	0.86	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1
Toxaphene	ND		42	24	ug/Kg	✱	06/03/25 13:20	06/04/25 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		45 - 120	06/03/25 13:20	06/04/25 12:23	1
DCB Decachlorobiphenyl	91		45 - 120	06/03/25 13:20	06/04/25 12:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		30 - 124	06/03/25 13:20	06/04/25 12:23	1
Tetrachloro-m-xylene	81		30 - 124	06/03/25 13:20	06/04/25 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1221	ND		0.25	0.049	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1232	ND		0.25	0.049	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1242	ND		0.25	0.049	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1248	ND		0.25	0.049	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1254	ND		0.25	0.12	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1
PCB-1260	ND		0.25	0.12	mg/Kg	✧	06/02/25 07:20	06/02/25 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	130		60 - 154	06/02/25 07:20	06/02/25 17:54	1
Tetrachloro-m-xylene	136		60 - 154	06/02/25 07:20	06/02/25 17:54	1
DCB Decachlorobiphenyl	128		65 - 174	06/02/25 07:20	06/02/25 17:54	1
DCB Decachlorobiphenyl	129		65 - 174	06/02/25 07:20	06/02/25 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✧	06/04/25 07:50	06/05/25 06:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.49	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☼	06/04/25 07:50	06/05/25 06:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	92.7		8 - 130	06/04/25 07:50	06/05/25 06:18	1
13C5-PFPeA	99.8		35 - 130	06/04/25 07:50	06/05/25 06:18	1
13C5-PFHxA	97.7		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C4-PFHpA	97.6		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C8-PFOA	88.3		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C9-PFNA	87.3		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C6-PFDA	84.7		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C7-PFUnA	82.3		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C2-PFTeDA	72.8		20 - 130	06/04/25 07:50	06/05/25 06:18	1
13C3-PFBS	79.2		40 - 135	06/04/25 07:50	06/05/25 06:18	1
13C3-PFHxS	84.9		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C8-PFOS	84.1		40 - 130	06/04/25 07:50	06/05/25 06:18	1
13C8-PFOSA	72.0		40 - 130	06/04/25 07:50	06/05/25 06:18	1
d3-NMeFOSAA	81.4		40 - 135	06/04/25 07:50	06/05/25 06:18	1
d5-NEtFOSAA	80.9		40 - 150	06/04/25 07:50	06/05/25 06:18	1
13C2 4:2 FTS	88.3		40 - 165	06/04/25 07:50	06/05/25 06:18	1
13C2 6:2 FTS	90.9		40 - 215	06/04/25 07:50	06/05/25 06:18	1
13C2 8:2 FTS	73.6		40 - 275	06/04/25 07:50	06/05/25 06:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-HFPO-DA	80.8		40 - 130	06/04/25 07:50	06/05/25 06:18	1
D7-NMeFOSE	58.1		20 - 130	06/04/25 07:50	06/05/25 06:18	1
D9-NEtFOSE	55.5		15 - 130	06/04/25 07:50	06/05/25 06:18	1
d5-NEtPFOSA	53.4		10 - 130	06/04/25 07:50	06/05/25 06:18	1
d3-NMePFOSA	54.4		10 - 130	06/04/25 07:50	06/05/25 06:18	1
13C2 PFDa	76.2		40 - 130	06/04/25 07:50	06/05/25 06:18	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11900		12.7	10.9	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Antimony	1.4	J	19.0	0.67	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Arsenic	12.7		2.5	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Barium	92.2		0.63	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Beryllium	0.60		0.25	0.051	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Cadmium	0.45		0.25	0.089	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Calcium	37300		63.5	34.3	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Chromium	17.8		0.63	0.46	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Cobalt	11.0		0.63	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Copper	37.1		1.3	0.72	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Iron	25500		12.7	10.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Lead	18.9		1.3	0.58	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Magnesium	7590		25.4	10.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Manganese	311		1.3	0.36	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Nickel	30.2	^5-	6.3	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Potassium	2410		38.1	30.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Selenium	ND		5.1	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Silver	ND	^5-	0.76	0.25	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Sodium	153	J	178	77.8	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Thallium	ND		7.6	0.96	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Vanadium	24.7		0.63	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1
Zinc	80.0	^5-	2.5	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 16:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.026	0.0061	mg/Kg	☆	06/02/25 13:35	06/02/25 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.57	mg/Kg	☆	06/04/25 14:20	06/04/25 17:08	1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.40	ug/Kg	☆	06/01/25 18:04	06/02/25 04:17	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6	0.90	ug/Kg	☆	06/01/25 18:04	06/02/25 04:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	☆	06/01/25 18:04	06/02/25 04:17	1
1,1,2-Trichloroethane	ND	vs	5.6	0.72	ug/Kg	☆	06/01/25 18:04	06/02/25 04:17	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	☆	06/01/25 18:04	06/02/25 04:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	vs	5.6	0.68	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2,4-Trichlorobenzene	ND	vs	5.6	0.34	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6	2.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2-Dichlorobenzene	ND	vs	5.6	0.43	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2-Dichloroethane	ND	vs	5.6	0.28	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,3-Dichlorobenzene	ND	vs	5.6	0.29	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,4-Dichlorobenzene	ND	vs	5.6	0.78	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
2-Butanone (MEK)	ND	vs	28	2.0	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Acetone	18	J vs	28	4.7	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Benzene	ND	vs	5.6	0.27	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Bromoform	ND	vs	5.6	2.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Bromomethane	ND	vs	5.6	0.50	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Carbon disulfide	ND	vs	5.6	2.8	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Carbon tetrachloride	ND	vs	5.6	0.54	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Chlorobenzene	ND	vs	5.6	0.73	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Dibromochloromethane	ND	vs	5.6	0.71	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Chloroform	ND	vs	5.6	0.34	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
cis-1,2-Dichloroethene	1.9	J vs	5.6	0.71	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Cyclohexane	ND	vs	5.6	0.78	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Bromodichloromethane	ND	vs	5.6	0.74	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Ethylbenzene	ND	vs	5.6	0.38	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
1,2-Dibromoethane	ND	vs	5.6	0.71	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Isopropylbenzene	ND	vs	5.6	0.84	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Methylcyclohexane	ND	vs	5.6	0.84	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Methylene Chloride	68	vs	5.6	2.6	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Tetrachloroethene	ND	vs	5.6	0.75	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Toluene	ND	vs	5.6	0.42	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
trans-1,2-Dichloroethene	47	vs	5.6	0.57	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
trans-1,3-Dichloropropene	ND	vs	5.6	2.4	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Trichloroethene	ND	vs	5.6	1.2	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Xylenes, Total	ND	vs	11	0.93	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
cis-1,3-Dichloropropene	ND	vs	5.6	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1
Styrene	ND	vs	5.6	0.28	ug/Kg	☼	06/01/25 18:04	06/02/25 04:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/01/25 18:04	06/02/25 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/01/25 18:04	06/02/25 04:17	1
4-Bromofluorobenzene (Surr)	89		72 - 126	06/01/25 18:04	06/02/25 04:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		71 - 125	06/01/25 18:04	06/02/25 04:17	1
Dibromofluoromethane (Surr)	106		60 - 140	06/01/25 18:04	06/02/25 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	34	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
1,4-Dioxane	ND		110	40	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4,5-Trichlorophenol	ND		180	37	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4-Dinitrophenol	ND		1800	34	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Chloronaphthalene	ND		180	34	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Chlorophenol	ND		180	28	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Methylnaphthalene	ND		180	28	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Methylphenol	ND		180	29	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Nitroaniline	ND		350	31	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
2-Nitrophenol	ND		180	20	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
3,3'-Dichlorobenzidine	ND		350	53	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
3-Nitroaniline	ND		350	25	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4,6-Dinitro-2-methylphenol	ND		350	40	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Bromophenyl phenyl ether	ND		180	31	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Chloroaniline	ND		180	26	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Chlorophenyl phenyl ether	ND		180	38	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Methylphenol	ND		350	32	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Nitroaniline	ND		350	26	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
4-Nitrophenol	ND		350	49	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Acenaphthene	ND		180	33	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Acenaphthylene	ND		180	35	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Acetophenone	ND		180	32	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Anthracene	ND		180	33	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Atrazine	ND		180	61	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzaldehyde	ND		180	140	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzo[a]anthracene	ND		180	25	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzo[a]pyrene	ND		180	31	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzo[b]fluoranthene	ND		180	24	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzo[g,h,i]perylene	ND		180	31	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Bis(2-chloroethoxy)methane	ND		180	35	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Caprolactam	ND		180	42	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Carbazole	ND		180	35	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1
Chrysene	ND		180	43	ug/Kg	☆	06/03/25 06:37	06/04/25 14:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Dibenzofuran	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Dimethyl phthalate	ND		180	35	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Fluoranthene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Fluorene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Hexachlorobenzene	ND		180	35	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Hexachlorocyclopentadiene	ND		350	79	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Hexachloroethane	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Indeno[1,2,3-cd]pyrene	ND		180	27	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Isophorone	ND		180	37	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Naphthalene	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Nitrobenzene	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Pentachlorophenol	ND		350	57	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Phenanthrene	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Phenol	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1
Pyrene	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 14:57	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	39000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 14:57	1
Unknown	2400	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 14:57	1
Undecane, 3,6-dimethyl-	720	T J N	ug/Kg	☼	7.38	17301-28-9	06/03/25 06:37	06/04/25 14:57	1
Octane, 2,3,7-trimethyl-	1000	T J N	ug/Kg	☼	7.81	62016-34-6	06/03/25 06:37	06/04/25 14:57	1
Tridecane	1200	T J N	ug/Kg	☼	8.00	629-50-5	06/03/25 06:37	06/04/25 14:57	1
Tetradecane	1200	T J N	ug/Kg	☼	8.67	629-59-4	06/03/25 06:37	06/04/25 14:57	1
Pentadecane, 7-methyl-	1000	T J N	ug/Kg	☼	9.05	6165-40-8	06/03/25 06:37	06/04/25 14:57	1
Hexadecane	1500	T J N	ug/Kg	☼	9.86	544-76-3	06/03/25 06:37	06/04/25 14:57	1
Tetracosane	2000	T J N	ug/Kg	☼	10.11	646-31-1	06/03/25 06:37	06/04/25 14:57	1
Unknown	910	T J	ug/Kg	☼	10.22	N/A	06/03/25 06:37	06/04/25 14:57	1
Hexadecane, 2,6,10,14-tetramethyl-	3400	T J N	ug/Kg	☼	10.40	638-36-8	06/03/25 06:37	06/04/25 14:57	1
Octacosane	1400	T J N	ug/Kg	☼	10.85	630-02-4	06/03/25 06:37	06/04/25 14:57	1
Heptadecane	1300	T J N	ug/Kg	☼	11.26	629-78-7	06/03/25 06:37	06/04/25 14:57	1
Unknown	1200	T J	ug/Kg	☼	11.64	N/A	06/03/25 06:37	06/04/25 14:57	1
Tricosane	1100	T J N	ug/Kg	☼	11.99	638-67-5	06/03/25 06:37	06/04/25 14:57	1
Octadecane	900	T J N	ug/Kg	☼	12.32	593-45-3	06/03/25 06:37	06/04/25 14:57	1
Eicosane	790	T J N	ug/Kg	☼	12.62	112-95-8	06/03/25 06:37	06/04/25 14:57	1
Hexatriacontane	930	T J N	ug/Kg	☼	12.91	630-06-8	06/03/25 06:37	06/04/25 14:57	1
Heptadecane, 2-methyl-	1000	T J N	ug/Kg	☼	13.19	1560-89-0	06/03/25 06:37	06/04/25 14:57	1
Unknown	760	T J	ug/Kg	☼	13.46	N/A	06/03/25 06:37	06/04/25 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		22 - 120	06/03/25 06:37	06/04/25 14:57	1
p-Terphenyl-d14 (Surr)	89		28 - 124	06/03/25 06:37	06/04/25 14:57	1
Phenol-d5 (Surr)	79		23 - 120	06/03/25 06:37	06/04/25 14:57	1
2-Fluorophenol (Surr)	77		18 - 120	06/03/25 06:37	06/04/25 14:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		10 - 140	06/03/25 06:37	06/04/25 14:57	1
2-Fluorobiphenyl (Surr)	89		29 - 120	06/03/25 06:37	06/04/25 14:57	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.7	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
4,4'-DDE	ND		3.7	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
4,4'-DDT	ND		3.7	0.86	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
beta-BHC	ND		3.7	0.66	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
cis-Chlordane	ND		3.7	1.8	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
alpha-BHC	ND		3.7	0.66	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Aldrin	ND		3.7	0.91	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
delta-BHC	ND		3.7	0.69	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Dieldrin	ND		3.7	0.89	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endosulfan I	ND		3.7	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endosulfan II	ND		3.7	0.66	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endosulfan sulfate	ND		3.7	0.69	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endrin	ND		3.7	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endrin aldehyde	ND		3.7	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Endrin ketone	ND		3.7	0.91	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
gamma-BHC (Lindane)	ND		3.7	0.68	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
trans-Chlordane	ND		3.7	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Heptachlor	ND		3.7	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Heptachlor epoxide	ND		3.7	0.95	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Methoxychlor	ND		3.7	0.75	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1
Toxaphene	ND		37	21	ug/Kg	☆	06/03/25 13:20	06/04/25 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		45 - 120	06/03/25 13:20	06/04/25 12:43	1
DCB Decachlorobiphenyl	68		45 - 120	06/03/25 13:20	06/04/25 12:43	1
Tetrachloro-m-xylene	49		30 - 124	06/03/25 13:20	06/04/25 12:43	1
Tetrachloro-m-xylene	54		30 - 124	06/03/25 13:20	06/04/25 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1221	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1232	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1242	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1248	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1254	ND		0.21	0.099	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1
PCB-1260	ND		0.21	0.099	mg/Kg	☆	06/02/25 07:20	06/02/25 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	06/02/25 07:20	06/02/25 18:13	1
Tetrachloro-m-xylene	109		60 - 154	06/02/25 07:20	06/02/25 18:13	1
DCB Decachlorobiphenyl	103		65 - 174	06/02/25 07:20	06/02/25 18:13	1
DCB Decachlorobiphenyl	108		65 - 174	06/02/25 07:20	06/02/25 18:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.099	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	06/04/25 07:50	06/05/25 06:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:50	06/05/25 06:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	06/04/25 07:50	06/05/25 06:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.49	ng/g	☼	06/04/25 07:50	06/05/25 06:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.39	ng/g	☼	06/04/25 07:50	06/05/25 06:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	86.1		8 - 130				06/04/25 07:50	06/05/25 06:32	1
13C5-PFPeA	94.5		35 - 130				06/04/25 07:50	06/05/25 06:32	1
13C5-PFHxA	88.1		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C4-PFHpA	92.9		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C8-PFOA	83.5		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C9-PFNA	84.3		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C6-PFDA	86.6		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C7-PFUnA	86.5		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C2-PFTeDA	82.6		20 - 130				06/04/25 07:50	06/05/25 06:32	1
13C3-PFBS	78.3		40 - 135				06/04/25 07:50	06/05/25 06:32	1
13C3-PFHxS	84.5		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C8-PFOS	92.0		40 - 130				06/04/25 07:50	06/05/25 06:32	1
13C8-PFOSA	79.9		40 - 130				06/04/25 07:50	06/05/25 06:32	1
d3-NMeFOSAA	92.0		40 - 135				06/04/25 07:50	06/05/25 06:32	1
d5-NEtFOSAA	96.5		40 - 150				06/04/25 07:50	06/05/25 06:32	1
13C2 4:2 FTS	85.0		40 - 165				06/04/25 07:50	06/05/25 06:32	1
13C2 6:2 FTS	88.1		40 - 215				06/04/25 07:50	06/05/25 06:32	1
13C2 8:2 FTS	85.7		40 - 275				06/04/25 07:50	06/05/25 06:32	1
13C3-HFPO-DA	76.7		40 - 130				06/04/25 07:50	06/05/25 06:32	1
D7-NMeFOSE	80.2		20 - 130				06/04/25 07:50	06/05/25 06:32	1
D9-NEtFOSE	81.4		15 - 130				06/04/25 07:50	06/05/25 06:32	1
d5-NEtPFOSA	68.8		10 - 130				06/04/25 07:50	06/05/25 06:32	1
d3-NMePFOSA	67.9		10 - 130				06/04/25 07:50	06/05/25 06:32	1
13C2 PFDaA	90.7		40 - 130				06/04/25 07:50	06/05/25 06:32	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11400		11.1	9.6	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Antimony	1.3	J	16.7	0.59	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Arsenic	7.4		2.2	0.98	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Barium	127		0.56	0.16	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Beryllium	0.73		0.22	0.045	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Cadmium	0.14	J	0.22	0.078	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Calcium	1250		55.7	30.0	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Chromium	16.6		0.56	0.40	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Cobalt	11.8		0.56	0.11	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Copper	41.0		1.1	0.63	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Iron	19800		11.1	9.4	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Lead	26.2		1.1	0.51	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1
Magnesium	3960		22.3	9.4	mg/Kg	☼	06/02/25 15:39	06/05/25 17:01	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Date Collected: 05/30/25 11:15

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-5

Matrix: Solid

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	132		1.1	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Nickel	33.4	^5-	5.6	0.28	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Potassium	2510		33.4	27.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Selenium	2.8	J	4.5	0.89	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Silver	ND	^5-	0.67	0.22	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Sodium	72.5	J	156	68.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Thallium	ND		6.7	0.85	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Vanadium	18.5		0.56	0.14	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1
Zinc	75.5	^5-	2.2	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.023	0.0052	mg/Kg	☆	06/02/25 13:35	06/02/25 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.95	0.46	mg/Kg	☆	06/04/25 14:20	06/04/25 17:08	1

Client Sample ID: RI-MW-2

Date Collected: 05/30/25 11:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-6

Matrix: Solid

Percent Solids: 76.2

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	6.5	0.47	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	6.5	1.1	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,1,2-Trichloroethane	ND	vs	6.5	0.85	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,1-Dichloroethane	ND	vs	6.5	0.80	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,1-Dichloroethene	ND	vs	6.5	0.80	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,2,4-Trichlorobenzene	ND	*3 vs	6.5	0.40	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	6.5	3.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,2-Dichlorobenzene	ND	*3 vs	6.5	0.51	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,2-Dichloroethane	ND	vs	6.5	0.33	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,2-Dichloropropane	ND	vs	6.5	3.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,3-Dichlorobenzene	ND	*3 vs	6.5	0.34	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
1,4-Dichlorobenzene	ND	*3 vs	6.5	0.91	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
2-Butanone (MEK)	4.7	J vs	33	2.4	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
2-Hexanone	ND	vs	33	3.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
4-Methyl-2-pentanone (MIBK)	ND	vs	33	2.1	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Acetone	20	J vs	33	5.5	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Benzene	4.2	J vs	6.5	0.32	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Bromoform	ND	vs	6.5	3.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Bromomethane	ND	vs	6.5	0.59	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Carbon disulfide	ND	vs	6.5	3.3	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Carbon tetrachloride	ND	vs	6.5	0.63	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Chlorobenzene	ND	vs	6.5	0.86	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Dibromochloromethane	ND	vs	6.5	0.84	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Chloroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1
Chloroform	0.46	J vs	6.5	0.40	ug/Kg	☆	06/02/25 11:51	06/02/25 23:35	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	6.5	0.39	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
cis-1,2-Dichloroethene	ND	vs	6.5	0.84	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Cyclohexane	190	vs	6.5	0.91	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Bromodichloromethane	ND	vs	6.5	0.87	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Dichlorodifluoromethane	ND	vs	6.5	0.54	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Ethylbenzene	20	vs	6.5	0.45	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
1,2-Dibromoethane	ND	vs	6.5	0.84	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Isopropylbenzene	12	*3 vs	6.5	0.98	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Methyl acetate	ND	vs	33	3.9	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Methyl tert-butyl ether	ND	vs	6.5	0.64	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Methylcyclohexane	240	vs	6.5	0.99	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Methylene Chloride	3.5	J vs	6.5	3.0	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Tetrachloroethene	ND	vs	6.5	0.88	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Toluene	44	vs	6.5	0.49	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
trans-1,2-Dichloroethene	0.78	J vs	6.5	0.67	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
trans-1,3-Dichloropropene	ND	vs	6.5	2.9	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Trichloroethene	ND	vs	6.5	1.4	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Trichlorofluoromethane	ND	vs	6.5	0.62	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Vinyl chloride	ND	vs	6.5	0.80	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Xylenes, Total	130	vs	13	1.1	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
cis-1,3-Dichloropropene	ND	vs	6.5	0.94	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1
Styrene	ND	vs	6.5	0.33	ug/Kg	☼	06/02/25 11:51	06/02/25 23:35	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	190	T J N	ug/Kg	☼	1.82	78-78-4	06/02/25 11:51	06/02/25 23:35	1
Pentane	160	T J N	ug/Kg	☼	2.06	109-66-0	06/02/25 11:51	06/02/25 23:35	1
Pentane, 2-methyl-	120	T J N	ug/Kg	☼	2.95	107-83-5	06/02/25 11:51	06/02/25 23:35	1
Hexane	87	T J N	ug/Kg	☼	3.44	110-54-3	06/02/25 11:51	06/02/25 23:35	1
Cyclopentane, 1,3-dimethyl-	54	T J N	ug/Kg	☼	5.03	2453-00-1	06/02/25 11:51	06/02/25 23:35	1
Isopropylcyclobutane	79	T J N	ug/Kg	☼	5.08	872-56-0	06/02/25 11:51	06/02/25 23:35	1
Cyclohexane, 1,4-dimethyl-, cis-	72	T J N	ug/Kg	☼	6.65	624-29-3	06/02/25 11:51	06/02/25 23:35	1
m-Xylene & p-Xylene	85		ug/Kg	☼	8.48	179601-23-1	06/02/25 11:51	06/02/25 23:35	1
Benzene, 1,3,5-trimethyl-	160	T J N	ug/Kg	☼	10.28	108-67-8	06/02/25 11:51	06/02/25 23:35	1
Unknown	76	T J	ug/Kg	☼	10.69	N/A	06/02/25 11:51	06/02/25 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 126	06/02/25 11:51	06/02/25 23:35	1
4-Bromofluorobenzene (Surr)	78		72 - 126	06/02/25 11:51	06/02/25 23:35	1
Toluene-d8 (Surr)	102		71 - 125	06/02/25 11:51	06/02/25 23:35	1
Dibromofluoromethane (Surr)	111		60 - 140	06/02/25 11:51	06/02/25 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	100	J	210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
1,4-Dioxane	ND		120	46	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		2100	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Chlorophenol	ND		210	33	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Methylnaphthalene	570		210	33	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Methylphenol	ND		210	34	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Nitroaniline	ND		410	36	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
2-Nitrophenol	ND		210	24	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
3,3'-Dichlorobenzidine	ND		410	61	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
3-Nitroaniline	ND		410	30	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Chloroaniline	ND		210	30	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Methylphenol	46 J		410	38	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Nitroaniline	ND		410	31	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
4-Nitrophenol	ND		410	57	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Acenaphthene	530		210	39	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Acenaphthylene	340		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Acetophenone	ND		210	37	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Anthracene	1500		210	39	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Atrazine	ND		210	71	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzaldehyde	ND		210	160	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzo[a]anthracene	1900		210	29	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzo[a]pyrene	1400		210	36	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzo[b]fluoranthene	1700		210	28	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzo[g,h,i]perylene	770		210	37	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Benzo[k]fluoranthene	870		210	47	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Bis(2-ethylhexyl) phthalate	ND		210	46	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Caprolactam	ND		210	49	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Carbazole	350		210	41	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Chrysene	2000		210	51	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Dibenz(a,h)anthracene	290		210	42	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Dibenzofuran	570		210	37	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Diethyl phthalate	ND		210	38	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Dimethyl phthalate	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Fluoranthene	4100		210	38	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Fluorene	1000		210	38	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Hexachlorobenzene	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Hexachlorocyclopentadiene	ND		410	92	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1
Hexachloroethane	ND		210	38	ug/Kg	☆	06/03/25 06:37	06/04/25 15:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	620		210	31	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Isophorone	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Naphthalene	630		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Nitrobenzene	ND		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Pentachlorophenol	ND		410	67	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Phenanthrene	4800		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Phenol	ND		210	38	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1
Pyrene	3300		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:23	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	16000	T J	ug/Kg	☼	1.99	N/A	06/03/25 06:37	06/04/25 15:23	1
Unknown	2000	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 15:23	1
Naphthalene, 1-methyl-	480	T J N	ug/Kg	☼	8.19	90-12-0	06/03/25 06:37	06/04/25 15:23	1
Naphthalene, 2,7-dimethyl-	420	T J N	ug/Kg	☼	8.90	582-16-1	06/03/25 06:37	06/04/25 15:23	1
Dibenzofuran, 4-methyl-	420	T J N	ug/Kg	☼	10.10	7320-53-8	06/03/25 06:37	06/04/25 15:23	1
Unknown	420	T J	ug/Kg	☼	10.66	N/A	06/03/25 06:37	06/04/25 15:23	1
Phenanthrene, 1-methyl-	670	T J N	ug/Kg	☼	11.40	832-69-9	06/03/25 06:37	06/04/25 15:23	1
Anthracene, 9-methyl-	960	T J N	ug/Kg	☼	11.42	779-02-2	06/03/25 06:37	06/04/25 15:23	1
1H-Cyclopropa[l]phenanthrene, 1a,9b	480	T J N	ug/Kg	☼	11.46	949-41-7	06/03/25 06:37	06/04/25 15:23	1
-dihydro-									
Unknown	2000	T J	ug/Kg	☼	11.50	N/A	06/03/25 06:37	06/04/25 15:23	1
Unknown	630	T J	ug/Kg	☼	11.68	N/A	06/03/25 06:37	06/04/25 15:23	1
Phenanthrene, 2,3-dimethyl-	710	T J N	ug/Kg	☼	11.91	3674-65-5	06/03/25 06:37	06/04/25 15:23	1
Unknown	400	T J	ug/Kg	☼	11.94	N/A	06/03/25 06:37	06/04/25 15:23	1
Unknown	540	T J	ug/Kg	☼	11.99	N/A	06/03/25 06:37	06/04/25 15:23	1
11H-Benzo[b]fluorene	690	T J N	ug/Kg	☼	12.54	243-17-4	06/03/25 06:37	06/04/25 15:23	1
Unknown	560	T J	ug/Kg	☼	12.62	N/A	06/03/25 06:37	06/04/25 15:23	1
Unknown	400	T J	ug/Kg	☼	13.73	N/A	06/03/25 06:37	06/04/25 15:23	1
Benzo[e]pyrene	830	T J N	ug/Kg	☼	14.22	192-97-2	06/03/25 06:37	06/04/25 15:23	1
Perylene	800	T J N	ug/Kg	☼	14.36	198-55-0	06/03/25 06:37	06/04/25 15:23	1
Unknown	410	T J	ug/Kg	☼	15.24	N/A	06/03/25 06:37	06/04/25 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	61		22 - 120	06/03/25 06:37	06/04/25 15:23	1
p-Terphenyl-d14 (Surr)	66		28 - 124	06/03/25 06:37	06/04/25 15:23	1
Phenol-d5 (Surr)	62		23 - 120	06/03/25 06:37	06/04/25 15:23	1
2-Fluorophenol (Surr)	61		18 - 120	06/03/25 06:37	06/04/25 15:23	1
2,4,6-Tribromophenol (Surr)	58		10 - 140	06/03/25 06:37	06/04/25 15:23	1
2-Fluorobiphenyl (Surr)	66		29 - 120	06/03/25 06:37	06/04/25 15:23	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.3	0.83	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1
4,4'-DDE	ND		4.3	0.90	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1
4,4'-DDT	2.0	J B	4.3	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1
beta-BHC	ND		4.3	0.77	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1
cis-Chlordane	ND		4.3	2.1	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1
alpha-BHC	ND		4.3	0.77	ug/Kg	☼	06/03/25 13:20	06/04/25 13:03	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
delta-BHC	ND		4.3	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Dieldrin	ND		4.3	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endosulfan I	ND		4.3	0.82	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endosulfan II	ND		4.3	0.77	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endosulfan sulfate	ND		4.3	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endrin	1.7	J	4.3	0.85	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endrin aldehyde	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Endrin ketone	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
gamma-BHC (Lindane)	ND		4.3	0.79	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
trans-Chlordane	ND		4.3	1.4	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Heptachlor	ND		4.3	0.93	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Heptachlor epoxide	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Methoxychlor	ND		4.3	0.88	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1
Toxaphene	ND		43	25	ug/Kg	☆	06/03/25 13:20	06/04/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		45 - 120	06/03/25 13:20	06/04/25 13:03	1
DCB Decachlorobiphenyl	95		45 - 120	06/03/25 13:20	06/04/25 13:03	1
Tetrachloro-m-xylene	56		30 - 124	06/03/25 13:20	06/04/25 13:03	1
Tetrachloro-m-xylene	61		30 - 124	06/03/25 13:20	06/04/25 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1221	ND		0.24	0.047	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1232	ND		0.24	0.047	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1242	ND		0.24	0.047	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1248	ND		0.24	0.047	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1254	ND		0.24	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1
PCB-1260	ND		0.24	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	06/02/25 07:20	06/02/25 18:31	1
Tetrachloro-m-xylene	133		60 - 154	06/02/25 07:20	06/02/25 18:31	1
DCB Decachlorobiphenyl	121		65 - 174	06/02/25 07:20	06/02/25 18:31	1
DCB Decachlorobiphenyl	123		65 - 174	06/02/25 07:20	06/02/25 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	☆	06/04/25 07:50	06/05/25 06:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.30	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.30	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	✱	06/04/25 07:50	06/05/25 06:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	84.5		8 - 130				06/04/25 07:50	06/05/25 06:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-229829-6

Date Collected: 05/30/25 11:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 76.2

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5-PFPeA	90.9		35 - 130	06/04/25 07:50	06/05/25 06:46	1
13C5-PFHxA	87.9		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C4-PFHpA	92.5		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C8-PFOA	83.0		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C9-PFNA	82.8		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C6-PFDA	87.2		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C7-PFUnA	85.2		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C2-PFTeDA	79.3		20 - 130	06/04/25 07:50	06/05/25 06:46	1
13C3-PFBS	75.2		40 - 135	06/04/25 07:50	06/05/25 06:46	1
13C3-PFHxS	81.7		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C8-PFOS	87.5		40 - 130	06/04/25 07:50	06/05/25 06:46	1
13C8-PFOSA	74.0		40 - 130	06/04/25 07:50	06/05/25 06:46	1
d3-NMeFOSAA	90.9		40 - 135	06/04/25 07:50	06/05/25 06:46	1
d5-NEtFOSAA	87.1		40 - 150	06/04/25 07:50	06/05/25 06:46	1
13C2 4:2 FTS	78.3		40 - 165	06/04/25 07:50	06/05/25 06:46	1
13C2 6:2 FTS	85.8		40 - 215	06/04/25 07:50	06/05/25 06:46	1
13C2 8:2 FTS	78.6		40 - 275	06/04/25 07:50	06/05/25 06:46	1
13C3-HFPO-DA	78.0		40 - 130	06/04/25 07:50	06/05/25 06:46	1
D7-NMeFOSE	75.1		20 - 130	06/04/25 07:50	06/05/25 06:46	1
D9-NEtFOSE	74.4		15 - 130	06/04/25 07:50	06/05/25 06:46	1
d5-NEtPFOSA	66.4		10 - 130	06/04/25 07:50	06/05/25 06:46	1
d3-NMePFOSA	67.0		10 - 130	06/04/25 07:50	06/05/25 06:46	1
13C2 PFDaA	85.9		40 - 130	06/04/25 07:50	06/05/25 06:46	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13500		13.3	11.4	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Antimony	1.4	J	19.9	0.70	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Arsenic	10.6		2.7	1.2	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Barium	192		0.66	0.19	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Beryllium	0.80		0.27	0.053	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Cadmium	0.33		0.27	0.093	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Calcium	5470		66.3	35.8	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Chromium	23.0		0.66	0.48	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Cobalt	12.8		0.66	0.13	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Copper	81.4		1.3	0.76	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Iron	26800		13.3	11.2	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Lead	70.8		1.3	0.61	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Magnesium	3590		26.5	11.2	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Manganese	520		1.3	0.37	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Nickel	28.8	^5-	6.6	0.33	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Potassium	2610		39.8	32.1	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Selenium	ND		5.3	1.1	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Silver	ND	^5-	0.80	0.27	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Sodium	90.1	J	186	81.3	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Thallium	ND		8.0	1.0	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Vanadium	28.0		0.66	0.17	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1
Zinc	124	^5-	2.7	1.4	mg/Kg	✱	06/02/25 15:39	06/05/25 17:03	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2

Date Collected: 05/30/25 11:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-6

Matrix: Solid

Percent Solids: 76.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.6		0.026	0.0059	mg/Kg	☆	06/02/25 13:35	06/02/25 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.58	mg/Kg	☆	06/04/25 14:20	06/04/25 17:09	1

Client Sample ID: RI-MW-2 DUP

Date Collected: 05/30/25 11:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-7

Matrix: Solid

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.5	0.47	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,1,2,2-Tetrachloroethane	ND	vs	6.5	1.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,1,2-Trichloroethane	ND	vs	6.5	0.85	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,1-Dichloroethane	ND	vs	6.5	0.80	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,1-Dichloroethene	ND	vs	6.5	0.80	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2,4-Trichlorobenzene	ND	vs	6.5	0.40	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.5	3.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2-Dichlorobenzene	ND	vs	6.5	0.51	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2-Dichloroethane	ND	vs	6.5	0.33	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2-Dichloropropane	ND	vs	6.5	3.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,3-Dichlorobenzene	ND	vs	6.5	0.34	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,4-Dichlorobenzene	ND	vs	6.5	0.91	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
2-Butanone (MEK)	ND	vs	33	2.4	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
2-Hexanone	ND	vs	33	3.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
4-Methyl-2-pentanone (MIBK)	ND	vs	33	2.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Acetone	5.7	J vs	33	5.5	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Benzene	ND	vs	6.5	0.32	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Bromoform	ND	vs	6.5	3.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Bromomethane	ND	vs	6.5	0.59	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Carbon disulfide	ND	vs	6.5	3.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Carbon tetrachloride	ND	vs	6.5	0.63	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Chlorobenzene	ND	vs	6.5	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Dibromochloromethane	ND	vs	6.5	0.83	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Chloroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Chloroform	ND	vs	6.5	0.40	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Chloromethane	ND	vs	6.5	0.39	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
cis-1,2-Dichloroethene	ND	vs	6.5	0.83	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Cyclohexane	ND	vs	6.5	0.91	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Bromodichloromethane	ND	vs	6.5	0.87	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Dichlorodifluoromethane	ND	vs	6.5	0.54	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Ethylbenzene	ND	vs	6.5	0.45	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
1,2-Dibromoethane	ND	vs	6.5	0.84	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Isopropylbenzene	ND	vs	6.5	0.98	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Methyl acetate	ND	vs	33	3.9	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Methyl tert-butyl ether	ND	vs	6.5	0.64	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Methylcyclohexane	ND	vs	6.5	0.99	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1
Methylene Chloride	71	vs	6.5	3.0	ug/Kg	☆	06/01/25 18:04	06/02/25 05:11	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	vs	6.5	0.88	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Toluene	ND	vs	6.5	0.49	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
trans-1,2-Dichloroethene	37	vs	6.5	0.67	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
trans-1,3-Dichloropropene	ND	vs	6.5	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Trichloroethene	ND	vs	6.5	1.4	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Trichlorofluoromethane	ND	vs	6.5	0.62	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Vinyl chloride	ND	vs	6.5	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
cis-1,3-Dichloropropene	ND	vs	6.5	0.94	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1
Styrene	ND	vs	6.5	0.33	ug/Kg	☼	06/01/25 18:04	06/02/25 05:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/01/25 18:04	06/02/25 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126	06/01/25 18:04	06/02/25 05:11	1
4-Bromofluorobenzene (Surr)	95		72 - 126	06/01/25 18:04	06/02/25 05:11	1
Toluene-d8 (Surr)	103		71 - 125	06/01/25 18:04	06/02/25 05:11	1
Dibromofluoromethane (Surr)	98		60 - 140	06/01/25 18:04	06/02/25 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
1,4-Dioxane	ND		120	46	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4-Dinitrophenol	ND		2100	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Chlorophenol	ND		210	33	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Methylnaphthalene	ND		210	33	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Methylphenol	ND		210	34	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Nitroaniline	ND		410	36	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
2-Nitrophenol	ND		210	24	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
3,3'-Dichlorobenzidine	ND		410	62	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
3-Nitroaniline	ND		410	30	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Chloroaniline	ND		210	30	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Methylphenol	ND		410	38	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Nitroaniline	ND		410	31	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
4-Nitrophenol	ND		410	58	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Acenaphthene	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Acenaphthylene	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		210	37	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Anthracene	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Atrazine	ND		210	71	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzaldehyde	ND		210	160	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzo[a]anthracene	ND		210	29	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzo[a]pyrene	ND		210	36	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzo[b]fluoranthene	37	J	210	28	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzo[g,h,i]perylene	ND		210	37	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Bis(2-ethylhexyl) phthalate	ND		210	46	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Caprolactam	ND		210	49	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Carbazole	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Chrysene	ND		210	51	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Dibenz(a,h)anthracene	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Dibenzofuran	ND		210	37	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Diethyl phthalate	ND		210	38	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Dimethyl phthalate	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Fluoranthene	98	J	210	38	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Fluorene	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Hexachlorobenzene	ND		210	41	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Hexachlorobutadiene	ND		210	32	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Hexachlorocyclopentadiene	ND		410	92	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Hexachloroethane	ND		210	39	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Isophorone	ND		210	43	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Naphthalene	ND		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Nitrobenzene	ND		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Pentachlorophenol	ND		410	67	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Phenanthrene	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Phenol	ND		210	38	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1
Pyrene	96	J	210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 15:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 15:48	1
Unknown	2300	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 15:48	1
Unknown	370	T J	ug/Kg	☼	10.38	N/A	06/03/25 06:37	06/04/25 15:48	1
Unknown	380	T J	ug/Kg	☼	13.47	N/A	06/03/25 06:37	06/04/25 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	73		22 - 120	06/03/25 06:37	06/04/25 15:48	1
p-Terphenyl-d14 (Surr)	76		28 - 124	06/03/25 06:37	06/04/25 15:48	1
Phenol-d5 (Surr)	71		23 - 120	06/03/25 06:37	06/04/25 15:48	1
2-Fluorophenol (Surr)	67		18 - 120	06/03/25 06:37	06/04/25 15:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		10 - 140	06/03/25 06:37	06/04/25 15:48	1
2-Fluorobiphenyl (Surr)	76		29 - 120	06/03/25 06:37	06/04/25 15:48	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.3	0.84	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
4,4'-DDE	ND		4.3	0.91	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
4,4'-DDT	1.9	J B	4.3	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
beta-BHC	ND		4.3	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
cis-Chlordane	ND		4.3	2.2	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
alpha-BHC	ND		4.3	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Aldrin	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
delta-BHC	1.1	J	4.3	0.81	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Dieldrin	ND		4.3	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endosulfan I	ND		4.3	0.83	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endosulfan II	ND		4.3	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endosulfan sulfate	ND		4.3	0.81	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endrin	1.4	J	4.3	0.86	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endrin aldehyde	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Endrin ketone	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
gamma-BHC (Lindane)	ND		4.3	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
trans-Chlordane	ND		4.3	1.4	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Heptachlor	ND		4.3	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Heptachlor epoxide	ND		4.3	1.1	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Methoxychlor	1.3	J	4.3	0.89	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1
Toxaphene	ND		43	25	ug/Kg	☆	06/03/25 13:20	06/04/25 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		45 - 120	06/03/25 13:20	06/04/25 13:22	1
DCB Decachlorobiphenyl	102		45 - 120	06/03/25 13:20	06/04/25 13:22	1
Tetrachloro-m-xylene	64		30 - 124	06/03/25 13:20	06/04/25 13:22	1
Tetrachloro-m-xylene	69		30 - 124	06/03/25 13:20	06/04/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1221	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1232	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1242	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1248	ND		0.23	0.045	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1254	ND		0.23	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1
PCB-1260	ND		0.23	0.11	mg/Kg	☆	06/02/25 07:20	06/02/25 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	119		60 - 154	06/02/25 07:20	06/02/25 18:49	1
Tetrachloro-m-xylene	123		60 - 154	06/02/25 07:20	06/02/25 18:49	1
DCB Decachlorobiphenyl	109		65 - 174	06/02/25 07:20	06/02/25 18:49	1
DCB Decachlorobiphenyl	113		65 - 174	06/02/25 07:20	06/02/25 18:49	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 07:00	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☆	06/04/25 07:50	06/05/25 07:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☆	06/04/25 07:50	06/05/25 07:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	☆	06/04/25 07:50	06/05/25 07:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☆	06/04/25 07:50	06/05/25 07:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	88.0		8 - 130				06/04/25 07:50	06/05/25 07:00	1
13C5-PFPeA	93.6		35 - 130				06/04/25 07:50	06/05/25 07:00	1
13C5-PFHxA	87.3		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C4-PFHpA	89.1		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C8-PFOA	83.7		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C9-PFNA	84.9		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C6-PFDA	87.0		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C7-PFUnA	84.1		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C2-PFTeDA	75.5		20 - 130				06/04/25 07:50	06/05/25 07:00	1
13C3-PFBS	77.6		40 - 135				06/04/25 07:50	06/05/25 07:00	1
13C3-PFHxS	81.5		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C8-PFOS	90.1		40 - 130				06/04/25 07:50	06/05/25 07:00	1
13C8-PFOSA	74.2		40 - 130				06/04/25 07:50	06/05/25 07:00	1
d3-NMeFOSAA	81.3		40 - 135				06/04/25 07:50	06/05/25 07:00	1
d5-NEtFOSAA	86.9		40 - 150				06/04/25 07:50	06/05/25 07:00	1
13C2 4:2 FTS	81.7		40 - 165				06/04/25 07:50	06/05/25 07:00	1
13C2 6:2 FTS	86.2		40 - 215				06/04/25 07:50	06/05/25 07:00	1
13C2 8:2 FTS	74.9		40 - 275				06/04/25 07:50	06/05/25 07:00	1
13C3-HFPO-DA	75.5		40 - 130				06/04/25 07:50	06/05/25 07:00	1
D7-NMeFOSE	71.2		20 - 130				06/04/25 07:50	06/05/25 07:00	1
D9-NEtFOSE	75.9		15 - 130				06/04/25 07:50	06/05/25 07:00	1
d5-NEtPFOSA	65.5		10 - 130				06/04/25 07:50	06/05/25 07:00	1
d3-NMePFOSA	65.8		10 - 130				06/04/25 07:50	06/05/25 07:00	1
13C2 PFDaA	80.5		40 - 130				06/04/25 07:50	06/05/25 07:00	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14800		13.0	11.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Antimony	0.81	J	19.4	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Arsenic	8.2		2.6	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Barium	191		0.65	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Beryllium	0.71		0.26	0.052	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Cadmium	0.38		0.26	0.091	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Calcium	12400		64.8	35.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Chromium	20.1		0.65	0.47	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Cobalt	12.4		0.65	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Copper	34.7		1.3	0.74	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Iron	25100		13.0	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Lead	50.1		1.3	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Magnesium	5240		25.9	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	286		1.3	0.36	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Nickel	30.4	^5-	6.5	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Potassium	2890		38.9	31.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Selenium	ND		5.2	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Silver	ND	^5-	0.78	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Sodium	113	J	181	79.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Thallium	ND		7.8	0.98	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Vanadium	26.7		0.65	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1
Zinc	127	^5-	2.6	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49		0.026	0.0060	mg/Kg	☆	06/02/25 13:35	06/02/25 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.54	mg/Kg	☆	06/04/25 14:20	06/04/25 17:12	1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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	☆	06/01/25 18:04	06/02/25 05:38	1
1,1,2,2-Tetrachloroethane	ND	vs	6.1	1.0	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,1,2-Trichloroethane	ND	vs	6.1	0.80	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2,4-Trichlorobenzene	ND	vs	6.1	0.37	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2-Dichlorobenzene	ND	vs	6.1	0.48	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2-Dichloroethane	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2-Dichloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,3-Dichlorobenzene	ND	vs	6.1	0.32	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
2-Butanone (MEK)	4.8	J vs	31	2.3	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Acetone	44	vs	31	5.2	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Benzene	ND	vs	6.1	0.30	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Bromoform	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Carbon disulfide	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Carbon tetrachloride	ND	vs	6.1	0.60	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Dibromochloromethane	ND	vs	6.1	0.79	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Chloroform	ND	vs	6.1	0.38	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	6.1	0.37	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.79	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Cyclohexane	ND	vs	6.1	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Bromodichloromethane	ND	vs	6.1	0.82	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Dichlorodifluoromethane	ND	vs	6.1	0.51	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
1,2-Dibromoethane	ND	vs	6.1	0.79	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Isopropylbenzene	ND	vs	6.1	0.93	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Methyl acetate	ND	vs	31	3.7	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Methylcyclohexane	ND	vs	6.1	0.93	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Methylene Chloride	41	vs	6.1	2.8	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Tetrachloroethene	ND	vs	6.1	0.83	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Toluene	ND	vs	6.1	0.46	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
trans-1,2-Dichloroethene	32	vs	6.1	0.63	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Trichloroethene	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Trichlorofluoromethane	ND	vs	6.1	0.58	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.89	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1
Styrene	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 05:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/01/25 18:04	06/02/25 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	06/01/25 18:04	06/02/25 05:38	1
4-Bromofluorobenzene (Surr)	96		72 - 126	06/01/25 18:04	06/02/25 05:38	1
Toluene-d8 (Surr)	107		71 - 125	06/01/25 18:04	06/02/25 05:38	1
Dibromofluoromethane (Surr)	106		60 - 140	06/01/25 18:04	06/02/25 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
1,4-Dioxane	ND		120	46	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4-Dinitrophenol	ND		2100	40	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Chlorophenol	ND		210	33	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Methylnaphthalene	ND		210	33	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Methylphenol	ND		210	34	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Nitroaniline	ND		410	36	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1
2-Nitrophenol	ND		210	24	ug/Kg	☆	06/03/25 06:37	06/04/25 16:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		410	62	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
3-Nitroaniline	ND		410	30	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Chloroaniline	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Methylphenol	ND		410	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Nitroaniline	ND		410	31	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
4-Nitrophenol	ND		410	58	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Acenaphthene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Acenaphthylene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Acetophenone	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Anthracene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Atrazine	ND		210	71	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzaldehyde	ND		210	160	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzo[a]anthracene	ND		210	29	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzo[a]pyrene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzo[g,h,i]perylene	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Bis(2-ethylhexyl) phthalate	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Caprolactam	ND		210	49	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Carbazole	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Chrysene	ND		210	51	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Dibenz(a,h)anthracene	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Dibenzofuran	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Diethyl phthalate	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Dimethyl phthalate	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Fluoranthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Fluorene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Hexachlorobenzene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Hexachlorobutadiene	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Hexachlorocyclopentadiene	ND		410	92	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Hexachloroethane	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Isophorone	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Naphthalene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Nitrobenzene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Pentachlorophenol	ND		410	67	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Phenanthrene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1
Phenol	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		210	40	ug/Kg	☼	06/03/25 06:37	06/04/25 16:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	15000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 16:12	1
Unknown	2400	T J	ug/Kg	☼	3.47	N/A	06/03/25 06:37	06/04/25 16:12	1
Unknown	370	T J	ug/Kg	☼	10.38	N/A	06/03/25 06:37	06/04/25 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		22 - 120	06/03/25 06:37	06/04/25 16:12	1
p-Terphenyl-d14 (Surr)	79		28 - 124	06/03/25 06:37	06/04/25 16:12	1
Phenol-d5 (Surr)	76		23 - 120	06/03/25 06:37	06/04/25 16:12	1
2-Fluorophenol (Surr)	69		18 - 120	06/03/25 06:37	06/04/25 16:12	1
2,4,6-Tribromophenol (Surr)	93		10 - 140	06/03/25 06:37	06/04/25 16:12	1
2-Fluorobiphenyl (Surr)	78		29 - 120	06/03/25 06:37	06/04/25 16:12	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.81	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
4,4'-DDE	ND		4.2	0.88	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
4,4'-DDT	ND		4.2	0.98	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
beta-BHC	ND		4.2	0.75	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
alpha-BHC	ND		4.2	0.75	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Aldrin	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
delta-BHC	ND		4.2	0.78	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Dieldrin	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endosulfan I	ND		4.2	0.80	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endosulfan II	ND		4.2	0.75	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endosulfan sulfate	ND		4.2	0.78	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endrin	ND		4.2	0.83	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Endrin ketone	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
gamma-BHC (Lindane)	ND		4.2	0.77	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Heptachlor	ND		4.2	0.90	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Methoxychlor	ND		4.2	0.85	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1
Toxaphene	ND		42	24	ug/Kg	☼	06/03/25 13:20	06/04/25 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		45 - 120	06/03/25 13:20	06/04/25 13:42	1
DCB Decachlorobiphenyl	94		45 - 120	06/03/25 13:20	06/04/25 13:42	1
Tetrachloro-m-xylene	78		30 - 124	06/03/25 13:20	06/04/25 13:42	1
Tetrachloro-m-xylene	85		30 - 124	06/03/25 13:20	06/04/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	06/02/25 07:20	06/02/25 19:08	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	06/02/25 07:20	06/02/25 19:08	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	06/02/25 07:20	06/02/25 19:08	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	06/02/25 07:20	06/02/25 19:08	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.25	0.049	mg/Kg	✱	06/02/25 07:20	06/02/25 19:08	1
PCB-1254	ND		0.25	0.12	mg/Kg	✱	06/02/25 07:20	06/02/25 19:08	1
PCB-1260	ND		0.25	0.12	mg/Kg	✱	06/02/25 07:20	06/02/25 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	155	S1+	60 - 154				06/02/25 07:20	06/02/25 19:08	1
Tetrachloro-m-xylene	159	S1+	60 - 154				06/02/25 07:20	06/02/25 19:08	1
DCB Decachlorobiphenyl	151		65 - 174				06/02/25 07:20	06/02/25 19:08	1
DCB Decachlorobiphenyl	153		65 - 174				06/02/25 07:20	06/02/25 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.049	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.078	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:50	06/05/25 07:14	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.049	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.078	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.049	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.49	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/04/25 07:50	06/05/25 07:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	78.3		8 - 130	06/04/25 07:50	06/05/25 07:14	1
13C5-PFPeA	87.7		35 - 130	06/04/25 07:50	06/05/25 07:14	1
13C5-PFHxA	84.3		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C4-PFHpA	82.6		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C8-PFOA	72.1		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C9-PFNA	73.3		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C6-PFDA	65.3		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C7-PFUnA	58.1		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C2-PFTeDA	54.8		20 - 130	06/04/25 07:50	06/05/25 07:14	1
13C3-PFBS	63.6		40 - 135	06/04/25 07:50	06/05/25 07:14	1
13C3-PFHxS	58.3		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C8-PFOS	49.3		40 - 130	06/04/25 07:50	06/05/25 07:14	1
13C8-PFOSA	61.8		40 - 130	06/04/25 07:50	06/05/25 07:14	1
d3-NMeFOSAA	69.6		40 - 135	06/04/25 07:50	06/05/25 07:14	1
d5-NEtFOSAA	63.9		40 - 150	06/04/25 07:50	06/05/25 07:14	1
13C2 4:2 FTS	67.6		40 - 165	06/04/25 07:50	06/05/25 07:14	1
13C2 6:2 FTS	72.7		40 - 215	06/04/25 07:50	06/05/25 07:14	1
13C2 8:2 FTS	58.7		40 - 275	06/04/25 07:50	06/05/25 07:14	1
13C3-HFPO-DA	71.4		40 - 130	06/04/25 07:50	06/05/25 07:14	1
D7-NMeFOSE	49.3		20 - 130	06/04/25 07:50	06/05/25 07:14	1
D9-NEtFOSE	44.8		15 - 130	06/04/25 07:50	06/05/25 07:14	1
d5-NEtPFOSA	45.5		10 - 130	06/04/25 07:50	06/05/25 07:14	1
d3-NMePFOSA	43.9		10 - 130	06/04/25 07:50	06/05/25 07:14	1
13C2 PFDaA	56.5		40 - 130	06/04/25 07:50	06/05/25 07:14	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15500	^+	13.0	11.2	mg/Kg	☼	06/02/25 15:39	06/05/25 17:15	1
Antimony	1.1	J	19.5	0.69	mg/Kg	☼	06/02/25 15:39	06/05/25 17:15	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		2.6	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Barium	669		0.65	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Beryllium	0.75		0.26	0.052	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Cadmium	0.30		0.26	0.091	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Calcium	36300	^+	65.0	35.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Chromium	21.7		0.65	0.47	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Cobalt	12.8		0.65	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Copper	32.4		1.3	0.74	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Iron	26500	^+	13.0	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Lead	15.5		1.3	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Magnesium	8880	^+	26.0	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Manganese	405		1.3	0.36	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Nickel	34.0	^5-	6.5	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Potassium	3020		39.0	31.5	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Selenium	ND		5.2	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Silver	ND	^5-	0.78	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Sodium	175	J	182	79.8	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Thallium	ND		7.8	0.99	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Vanadium	29.0		0.65	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1
Zinc	68.2	^5-	2.6	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.60	mg/Kg	☆	06/04/25 14:20	06/04/25 17:12	1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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	6.1	0.44	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,1,2,2-Tetrachloroethane	ND	vs	6.1	0.99	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,1,2-Trichloroethane	ND	vs	6.1	0.80	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,2,4-Trichlorobenzene	ND	vs	6.1	0.37	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,2-Dichlorobenzene	ND	vs	6.1	0.48	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,2-Dichloroethane	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,2-Dichloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,3-Dichlorobenzene	ND	vs	6.1	0.31	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
2-Butanone (MEK)	ND	vs	31	2.2	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/01/25 18:04	06/02/25 06:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Acetone	41	vs	31	5.2	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Benzene	ND	vs	6.1	0.30	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Bromoform	ND	vs	6.1	3.1	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Carbon disulfide	ND	vs	6.1	3.1	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Dibromochloromethane	ND	vs	6.1	0.78	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Chloroform	ND	vs	6.1	0.38	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Chloromethane	ND	vs	6.1	0.37	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.78	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Cyclohexane	ND	vs	6.1	0.86	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Bromodichloromethane	ND	vs	6.1	0.82	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Dichlorodifluoromethane	ND	vs	6.1	0.51	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
1,2-Dibromoethane	ND	vs	6.1	0.79	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Isopropylbenzene	ND	vs	6.1	0.92	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Methyl acetate	ND	vs	31	3.7	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Methylcyclohexane	ND	vs	6.1	0.93	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Methylene Chloride	9.0	vs	6.1	2.8	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Tetrachloroethene	ND	vs	6.1	0.82	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Toluene	ND	vs	6.1	0.46	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
trans-1,2-Dichloroethene	5.1	J vs	6.1	0.63	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Trichlorofluoromethane	ND	vs	6.1	0.58	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.88	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1
Styrene	ND	vs	6.1	0.31	ug/Kg	✱	06/01/25 18:04	06/02/25 06:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/01/25 18:04	06/02/25 06:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/01/25 18:04	06/02/25 06:05	1
4-Bromofluorobenzene (Surr)	102		72 - 126	06/01/25 18:04	06/02/25 06:05	1
Toluene-d8 (Surr)	101		71 - 125	06/01/25 18:04	06/02/25 06:05	1
Dibromofluoromethane (Surr)	104		60 - 140	06/01/25 18:04	06/02/25 06:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
1,4-Dioxane	ND		120	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,4,6-Trichlorophenol	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,4-Dinitrophenol	ND		2000	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,4-Dinitrotoluene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Chloronaphthalene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Chlorophenol	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Methylnaphthalene	ND		210	33	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Methylphenol	ND		210	34	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Nitroaniline	ND		400	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
2-Nitrophenol	ND		210	24	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
3,3'-Dichlorobenzidine	ND		400	61	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
3-Nitroaniline	ND		400	29	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4,6-Dinitro-2-methylphenol	ND		400	45	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Bromophenyl phenyl ether	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Chloroaniline	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Methylphenol	ND		400	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Nitroaniline	ND		400	30	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
4-Nitrophenol	ND		400	57	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Acenaphthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Acenaphthylene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Acetophenone	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Anthracene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Atrazine	ND		210	70	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzaldehyde	ND		210	160	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzo[a]anthracene	ND		210	29	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzo[a]pyrene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzo[g,h,i]perylene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Benzo[k]fluoranthene	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Bis(2-ethylhexyl) phthalate	ND		210	45	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Butyl benzyl phthalate	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Caprolactam	ND		210	48	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Carbazole	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Chrysene	ND		210	50	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Dibenz(a,h)anthracene	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Dibenzofuran	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Diethyl phthalate	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Dimethyl phthalate	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Di-n-butyl phthalate	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Di-n-octyl phthalate	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Fluoranthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Fluorene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Hexachlorobenzene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Hexachlorobutadiene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		400	91	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Hexachloroethane	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Isophorone	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Naphthalene	ND		210	34	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Nitrobenzene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
N-Nitrosodi-n-propylamine	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Pentachlorophenol	ND		400	66	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Phenanthrene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Phenol	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1
Pyrene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 16:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	16000	T J	ug/Kg	✱	2.00	N/A	06/03/25 06:37	06/04/25 16:37	1
Unknown	2600	T J	ug/Kg	✱	3.46	N/A	06/03/25 06:37	06/04/25 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		22 - 120	06/03/25 06:37	06/04/25 16:37	1
p-Terphenyl-d14 (Surr)	88		28 - 124	06/03/25 06:37	06/04/25 16:37	1
Phenol-d5 (Surr)	79		23 - 120	06/03/25 06:37	06/04/25 16:37	1
2-Fluorophenol (Surr)	76		18 - 120	06/03/25 06:37	06/04/25 16:37	1
2,4,6-Tribromophenol (Surr)	86		10 - 140	06/03/25 06:37	06/04/25 16:37	1
2-Fluorobiphenyl (Surr)	81		29 - 120	06/03/25 06:37	06/04/25 16:37	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.81	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
4,4'-DDE	ND		4.2	0.88	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
4,4'-DDT	ND		4.2	0.98	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
beta-BHC	ND		4.2	0.75	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
alpha-BHC	ND		4.2	0.75	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Aldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
delta-BHC	ND		4.2	0.78	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Dieldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endosulfan I	ND		4.2	0.80	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endosulfan II	ND		4.2	0.75	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endosulfan sulfate	1.2	J	4.2	0.78	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endrin	ND		4.2	0.83	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Endrin ketone	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
gamma-BHC (Lindane)	ND		4.2	0.77	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Heptachlor	ND		4.2	0.90	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Methoxychlor	ND		4.2	0.85	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1
Toxaphene	ND		42	24	ug/Kg	✱	06/03/25 13:20	06/04/25 14:01	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		45 - 120	06/03/25 13:20	06/04/25 14:01	1
DCB Decachlorobiphenyl	101		45 - 120	06/03/25 13:20	06/04/25 14:01	1
Tetrachloro-m-xylene	86		30 - 124	06/03/25 13:20	06/04/25 14:01	1
Tetrachloro-m-xylene	91		30 - 124	06/03/25 13:20	06/04/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1221	ND		0.27	0.052	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1232	ND		0.27	0.052	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1242	ND		0.27	0.052	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1248	ND		0.27	0.052	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1254	ND		0.27	0.12	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1
PCB-1260	ND		0.27	0.12	mg/Kg	☆	06/02/25 07:20	06/02/25 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	150		60 - 154	06/02/25 07:20	06/02/25 19:26	1
Tetrachloro-m-xylene	158	S1+	60 - 154	06/02/25 07:20	06/02/25 19:26	1
DCB Decachlorobiphenyl	153		65 - 174	06/02/25 07:20	06/02/25 19:26	1
DCB Decachlorobiphenyl	151		65 - 174	06/02/25 07:20	06/02/25 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☆	06/04/25 07:50	06/05/25 07:28	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	06/04/25 07:50	06/05/25 07:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	87.4		8 - 130	06/04/25 07:50	06/05/25 07:28	1
13C5-PFPeA	95.3		35 - 130	06/04/25 07:50	06/05/25 07:28	1
13C5-PFHxA	94.1		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C4-PFHpA	92.5		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C8-PFOA	86.5		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C9-PFNA	85.2		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C6-PFDA	86.2		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C7-PFUnA	80.3		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C2-PFTeDA	74.2		20 - 130	06/04/25 07:50	06/05/25 07:28	1
13C3-PFBS	75.5		40 - 135	06/04/25 07:50	06/05/25 07:28	1
13C3-PFHxS	77.1		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C8-PFOS	80.0		40 - 130	06/04/25 07:50	06/05/25 07:28	1
13C8-PFOSA	70.3		40 - 130	06/04/25 07:50	06/05/25 07:28	1
d3-NMeFOSAA	83.8		40 - 135	06/04/25 07:50	06/05/25 07:28	1
d5-NEtFOSAA	80.8		40 - 150	06/04/25 07:50	06/05/25 07:28	1
13C2 4:2 FTS	76.3		40 - 165	06/04/25 07:50	06/05/25 07:28	1
13C2 6:2 FTS	83.7		40 - 215	06/04/25 07:50	06/05/25 07:28	1
13C2 8:2 FTS	80.0		40 - 275	06/04/25 07:50	06/05/25 07:28	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-HFPO-DA	80.1		40 - 130	06/04/25 07:50	06/05/25 07:28	1
D7-NMeFOSE	57.5		20 - 130	06/04/25 07:50	06/05/25 07:28	1
D9-NEtFOSE	51.6		15 - 130	06/04/25 07:50	06/05/25 07:28	1
d5-NEtPFOSA	52.4		10 - 130	06/04/25 07:50	06/05/25 07:28	1
d3-NMePFOSA	51.8		10 - 130	06/04/25 07:50	06/05/25 07:28	1
13C2 PFDaA	79.1		40 - 130	06/04/25 07:50	06/05/25 07:28	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20800	^+	13.0	11.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Antimony	1.4	J	19.5	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Arsenic	4.3		2.6	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Barium	303		0.65	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Beryllium	1.0		0.26	0.052	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Cadmium	0.32		0.26	0.091	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Calcium	2230	^+	64.8	35.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Chromium	28.5		0.65	0.47	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Cobalt	16.7		0.65	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Copper	22.1		1.3	0.74	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Iron	29500	^+	13.0	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Lead	13.3		1.3	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Magnesium	6110	^+	25.9	11.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Manganese	280		1.3	0.36	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Nickel	45.5	^5-	6.5	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Potassium	3020		38.9	31.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Selenium	1.5	J	5.2	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Silver	ND	^5-	0.78	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Sodium	121	J	182	79.5	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Thallium	ND		7.8	0.99	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Vanadium	33.9		0.65	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1
Zinc	73.0	^5-	2.6	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.52	mg/Kg	☆	06/04/25 14:20	06/04/25 17:12	1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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	5.7	0.41	ug/Kg	☆	06/01/25 18:04	06/02/25 06:32	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.93	ug/Kg	☆	06/01/25 18:04	06/02/25 06:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	☆	06/01/25 18:04	06/02/25 06:32	1
1,1,2-Trichloroethane	ND	vs	5.7	0.74	ug/Kg	☆	06/01/25 18:04	06/02/25 06:32	1
1,1-Dichloroethane	ND	vs	5.7	0.70	ug/Kg	☆	06/01/25 18:04	06/02/25 06:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	vs	5.7	0.70	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.35	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2-Dichlorobenzene	ND	vs	5.7	0.45	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2-Dichloroethane	ND	vs	5.7	0.29	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2-Dichloropropane	ND	vs	5.7	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,4-Dichlorobenzene	ND	vs	5.7	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Acetone	ND	vs	29	4.8	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Benzene	ND	vs	5.7	0.28	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Bromoform	ND	vs	5.7	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Bromomethane	ND	vs	5.7	0.51	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Carbon disulfide	ND	vs	5.7	2.9	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Carbon tetrachloride	ND	vs	5.7	0.55	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Chlorobenzene	ND	vs	5.7	0.75	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Dibromochloromethane	ND	vs	5.7	0.73	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Chloroform	0.37	J vs	5.7	0.35	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Chloromethane	ND	vs	5.7	0.35	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.73	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Cyclohexane	ND	vs	5.7	0.80	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Bromodichloromethane	ND	vs	5.7	0.77	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Ethylbenzene	ND	vs	5.7	0.39	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
1,2-Dibromoethane	ND	vs	5.7	0.73	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Isopropylbenzene	ND	vs	5.7	0.86	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Methylcyclohexane	ND	vs	5.7	0.87	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Methylene Chloride	110	vs	5.7	2.6	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Tetrachloroethene	ND	vs	5.7	0.77	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Toluene	ND	vs	5.7	0.43	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
trans-1,2-Dichloroethene	73	vs	5.7	0.59	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Trichloroethene	ND	vs	5.7	1.3	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Vinyl chloride	ND	vs	5.7	0.70	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Xylenes, Total	ND	vs	11	0.96	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.82	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1
Styrene	ND	vs	5.7	0.29	ug/Kg	☼	06/01/25 18:04	06/02/25 06:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/01/25 18:04	06/02/25 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	06/01/25 18:04	06/02/25 06:32	1
4-Bromofluorobenzene (Surr)	94		72 - 126	06/01/25 18:04	06/02/25 06:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		71 - 125	06/01/25 18:04	06/02/25 06:32	1
Dibromofluoromethane (Surr)	105		60 - 140	06/01/25 18:04	06/02/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
1,4-Dioxane	ND		120	43	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Chlorophenol	ND		200	31	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Methylphenol	ND		200	32	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Nitroaniline	ND		380	33	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
2-Nitrophenol	ND		200	22	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
3-Nitroaniline	ND		380	28	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Chloroaniline	ND		200	28	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Methylphenol	ND		380	35	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Nitroaniline	ND		380	29	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
4-Nitrophenol	ND		380	54	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Acenaphthene	ND		200	36	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Acenaphthylene	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Acetophenone	ND		200	35	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Anthracene	ND		200	36	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Atrazine	ND		200	66	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzaldehyde	ND		200	150	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Caprolactam	ND		200	45	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Carbazole	ND		200	39	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1
Chrysene	ND		200	47	ug/Kg	☆	06/03/25 06:37	06/04/25 17:01	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Dibenzofuran	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Fluoranthene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Fluorene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Hexachlorocyclopentadiene	ND		380	86	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Isophorone	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Naphthalene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Pentachlorophenol	ND		380	63	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Phenanthrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Phenol	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1
Pyrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	42000	T J	ug/Kg	☼	1.99	N/A	06/03/25 06:37	06/04/25 17:01	1
Unknown	2200	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 17:01	1
Unknown	330	T J	ug/Kg	☼	10.38	N/A	06/03/25 06:37	06/04/25 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		22 - 120	06/03/25 06:37	06/04/25 17:01	1
p-Terphenyl-d14 (Surr)	86		28 - 124	06/03/25 06:37	06/04/25 17:01	1
Phenol-d5 (Surr)	83		23 - 120	06/03/25 06:37	06/04/25 17:01	1
2-Fluorophenol (Surr)	77		18 - 120	06/03/25 06:37	06/04/25 17:01	1
2,4,6-Tribromophenol (Surr)	89		10 - 140	06/03/25 06:37	06/04/25 17:01	1
2-Fluorobiphenyl (Surr)	89		29 - 120	06/03/25 06:37	06/04/25 17:01	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
4,4'-DDT	ND		3.9	0.92	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
beta-BHC	ND		3.9	0.71	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
cis-Chlordane	ND		3.9	2.0	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
alpha-BHC	ND		3.9	0.71	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
Aldrin	ND		3.9	0.97	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
delta-BHC	ND		3.9	0.73	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
Dieldrin	ND		3.9	0.94	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
Endosulfan II	ND		3.9	0.71	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	☼	06/03/25 13:20	06/04/25 14:21	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		3.9	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Endrin ketone	ND		3.9	0.97	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Heptachlor	ND		3.9	0.85	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Methoxychlor	ND		3.9	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:20	06/04/25 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		45 - 120	06/03/25 13:20	06/04/25 14:21	1
DCB Decachlorobiphenyl	95		45 - 120	06/03/25 13:20	06/04/25 14:21	1
Tetrachloro-m-xylene	80		30 - 124	06/03/25 13:20	06/04/25 14:21	1
Tetrachloro-m-xylene	85		30 - 124	06/03/25 13:20	06/04/25 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1221	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1232	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1242	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1248	ND		0.21	0.041	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1254	ND		0.21	0.097	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1
PCB-1260	ND		0.21	0.097	mg/Kg	☆	06/02/25 07:20	06/02/25 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		60 - 154	06/02/25 07:20	06/02/25 20:21	1
Tetrachloro-m-xylene	136		60 - 154	06/02/25 07:20	06/02/25 20:21	1
DCB Decachlorobiphenyl	134		65 - 174	06/02/25 07:20	06/02/25 20:21	1
DCB Decachlorobiphenyl	133		65 - 174	06/02/25 07:20	06/02/25 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 07:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/04/25 07:50	06/05/25 07:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	81.4		8 - 130	06/04/25 07:50	06/05/25 07:42	1
13C5-PFPeA	90.2		35 - 130	06/04/25 07:50	06/05/25 07:42	1
13C5-PFHxA	87.2		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C4-PFHpA	86.7		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C8-PFOA	79.5		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C9-PFNA	82.4		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C6-PFDA	80.1		40 - 130	06/04/25 07:50	06/05/25 07:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7-PFUnA	75.6		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C2-PFTeDA	63.2		20 - 130	06/04/25 07:50	06/05/25 07:42	1
13C3-PFBS	68.9		40 - 135	06/04/25 07:50	06/05/25 07:42	1
13C3-PFHxS	73.2		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C8-PFOS	71.0		40 - 130	06/04/25 07:50	06/05/25 07:42	1
13C8-PFOSA	65.2		40 - 130	06/04/25 07:50	06/05/25 07:42	1
d3-NMeFOSAA	81.8		40 - 135	06/04/25 07:50	06/05/25 07:42	1
d5-NEtFOSAA	78.3		40 - 150	06/04/25 07:50	06/05/25 07:42	1
13C2 4:2 FTS	70.8		40 - 165	06/04/25 07:50	06/05/25 07:42	1
13C2 6:2 FTS	83.1		40 - 215	06/04/25 07:50	06/05/25 07:42	1
13C2 8:2 FTS	72.3		40 - 275	06/04/25 07:50	06/05/25 07:42	1
13C3-HFPO-DA	73.8		40 - 130	06/04/25 07:50	06/05/25 07:42	1
D7-NMeFOSE	57.8		20 - 130	06/04/25 07:50	06/05/25 07:42	1
D9-NEtFOSE	51.1		15 - 130	06/04/25 07:50	06/05/25 07:42	1
d5-NEtPFOSA	51.1		10 - 130	06/04/25 07:50	06/05/25 07:42	1
d3-NMePFOSA	52.2		10 - 130	06/04/25 07:50	06/05/25 07:42	1
13C2 PFDaA	72.2		40 - 130	06/04/25 07:50	06/05/25 07:42	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10400	^+	12.5	10.8	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Antimony	ND		18.7	0.66	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Arsenic	8.9		2.5	1.1	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Barium	97.8		0.62	0.17	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Beryllium	0.51		0.25	0.050	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Cadmium	0.38		0.25	0.087	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Calcium	29400	^+	62.4	33.7	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Chromium	15.4		0.62	0.45	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Cobalt	11.2		0.62	0.12	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Copper	35.8		1.2	0.71	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Iron	23200	^+	12.5	10.6	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Lead	15.6		1.2	0.57	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Magnesium	8000	^+	25.0	10.6	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Manganese	286		1.2	0.35	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Nickel	29.8	^5-	6.2	0.31	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Potassium	2120		37.4	30.2	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Selenium	ND		5.0	1.0	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Silver	ND	^5-	0.75	0.25	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Sodium	124	J	175	76.5	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Thallium	ND		7.5	0.95	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Vanadium	20.4		0.62	0.16	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1
Zinc	86.1	^5-	2.5	1.3	mg/Kg	✧	06/02/25 15:39	06/05/25 17:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	J	0.024	0.0054	mg/Kg	✧	06/02/25 13:35	06/02/25 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.99	0.48	mg/Kg	✧	06/04/25 14:20	06/04/25 17:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

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	5.8	0.42	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.94	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,1,2-Trichloroethane	ND	vs	5.8	0.75	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,1-Dichloroethane	ND	vs	5.8	0.70	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Acetone	ND	vs	29	4.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Benzene	ND	vs	5.8	0.28	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Chlorobenzene	ND	vs	5.8	0.76	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Bromodichloromethane	ND	vs	5.8	0.77	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
1,2-Dibromoethane	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Isopropylbenzene	ND	vs	5.8	0.87	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Methylene Chloride	52	vs	5.8	2.7	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Tetrachloroethene	ND	vs	5.8	0.77	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Toluene	ND	vs	5.8	0.44	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
trans-1,2-Dichloroethene	32	vs	5.8	0.59	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.5	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Trichloroethene	ND	vs	5.8	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Vinyl chloride	ND	vs	5.8	0.70	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Xylenes, Total	ND	vs	12	0.97	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.83	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1
Styrene	ND	vs	5.8	0.29	ug/Kg	✱	06/02/25 11:51	06/03/25 00:02	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/02/25 11:51	06/03/25 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126				06/02/25 11:51	06/03/25 00:02	1
4-Bromofluorobenzene (Surr)	92		72 - 126				06/02/25 11:51	06/03/25 00:02	1
Toluene-d8 (Surr)	108		71 - 125				06/02/25 11:51	06/03/25 00:02	1
Dibromofluoromethane (Surr)	105		60 - 140				06/02/25 11:51	06/03/25 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
1,4-Dioxane	ND		120	43	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4,5-Trichlorophenol	ND		200	39	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,4-Dinitrotoluene	ND		200	26	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Methylphenol	ND		200	32	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
3-Nitroaniline	ND		380	28	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Methylphenol	ND		380	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Acenaphthene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Acenaphthylene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Acetophenone	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Anthracene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Atrazine	ND		200	66	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Caprolactam	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Carbazole	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Chrysene	ND		200	47	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Dibenzofuran	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Fluoranthene	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Fluorene	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Isophorone	ND		200	40	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Naphthalene	ND		200	32	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Phenanthrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Phenol	ND		200	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1
Pyrene	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12000	T J	ug/Kg	☼	1.99	N/A	06/03/25 06:37	06/04/25 17:27	1
Unknown	2200	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 17:27	1
Unknown	360	T J	ug/Kg	☼	13.47	N/A	06/03/25 06:37	06/04/25 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		22 - 120	06/03/25 06:37	06/04/25 17:27	1
p-Terphenyl-d14 (Surr)	96		28 - 124	06/03/25 06:37	06/04/25 17:27	1
Phenol-d5 (Surr)	79		23 - 120	06/03/25 06:37	06/04/25 17:27	1
2-Fluorophenol (Surr)	74		18 - 120	06/03/25 06:37	06/04/25 17:27	1
2,4,6-Tribromophenol (Surr)	76		10 - 140	06/03/25 06:37	06/04/25 17:27	1
2-Fluorobiphenyl (Surr)	80		29 - 120	06/03/25 06:37	06/04/25 17:27	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.0	0.77	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
4,4'-DDE	ND		4.0	0.83	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
4,4'-DDT	ND		4.0	0.92	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
beta-BHC	ND		4.0	0.71	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
cis-Chlordane	ND		4.0	2.0	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
alpha-BHC	ND		4.0	0.71	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
Aldrin	ND		4.0	0.97	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1
delta-BHC	ND		4.0	0.74	ug/Kg	☼	06/03/25 13:20	06/04/25 14:41	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		4.0	0.95	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endosulfan I	ND		4.0	0.76	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endosulfan II	ND		4.0	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endosulfan sulfate	ND		4.0	0.74	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endrin	ND		4.0	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endrin aldehyde	ND		4.0	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Endrin ketone	ND		4.0	0.97	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
gamma-BHC (Lindane)	ND		4.0	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
trans-Chlordane	ND		4.0	1.3	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Heptachlor	ND		4.0	0.86	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Heptachlor epoxide	ND		4.0	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Methoxychlor	ND		4.0	0.81	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1
Toxaphene	ND		40	23	ug/Kg	☆	06/03/25 13:20	06/04/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		45 - 120	06/03/25 13:20	06/04/25 14:41	1
DCB Decachlorobiphenyl	98		45 - 120	06/03/25 13:20	06/04/25 14:41	1
Tetrachloro-m-xylene	81		30 - 124	06/03/25 13:20	06/04/25 14:41	1
Tetrachloro-m-xylene	86		30 - 124	06/03/25 13:20	06/04/25 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1221	ND		0.23	0.045	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1232	ND		0.23	0.045	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1242	ND		0.23	0.045	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1248	ND		0.23	0.045	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1254	ND		0.23	0.11	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1
PCB-1260	ND		0.23	0.11	mg/Kg	☆	06/03/25 06:25	06/03/25 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	06/03/25 06:25	06/03/25 17:41	1
Tetrachloro-m-xylene	101		60 - 154	06/03/25 06:25	06/03/25 17:41	1
DCB Decachlorobiphenyl	109		65 - 174	06/03/25 06:25	06/03/25 17:41	1
DCB Decachlorobiphenyl	106		65 - 174	06/03/25 06:25	06/03/25 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 08:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.078	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.078	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	✱	06/04/25 07:50	06/05/25 08:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	78.0		8 - 130				06/04/25 07:50	06/05/25 08:24	1
13C5-PFPeA	86.0		35 - 130				06/04/25 07:50	06/05/25 08:24	1
13C5-PFHxA	84.1		40 - 130				06/04/25 07:50	06/05/25 08:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFHpA	85.8		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C8-PFOA	77.9		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C9-PFNA	78.7		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C6-PFDA	74.9		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C7-PFUnA	73.5		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C2-PFTeDA	63.6		20 - 130	06/04/25 07:50	06/05/25 08:24	1
13C3-PFBS	67.8		40 - 135	06/04/25 07:50	06/05/25 08:24	1
13C3-PFHxS	71.3		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C8-PFOS	66.2		40 - 130	06/04/25 07:50	06/05/25 08:24	1
13C8-PFOSA	67.3		40 - 130	06/04/25 07:50	06/05/25 08:24	1
d3-NMeFOSAA	78.5		40 - 135	06/04/25 07:50	06/05/25 08:24	1
d5-NEtFOSAA	78.1		40 - 150	06/04/25 07:50	06/05/25 08:24	1
13C2 4:2 FTS	70.3		40 - 165	06/04/25 07:50	06/05/25 08:24	1
13C2 6:2 FTS	78.7		40 - 215	06/04/25 07:50	06/05/25 08:24	1
13C2 8:2 FTS	68.2		40 - 275	06/04/25 07:50	06/05/25 08:24	1
13C3-HFPO-DA	72.9		40 - 130	06/04/25 07:50	06/05/25 08:24	1
D7-NMeFOSE	63.1		20 - 130	06/04/25 07:50	06/05/25 08:24	1
D9-NEtFOSE	55.9		15 - 130	06/04/25 07:50	06/05/25 08:24	1
d5-NEtPFOSA	56.6		10 - 130	06/04/25 07:50	06/05/25 08:24	1
d3-NMePFOSA	58.4		10 - 130	06/04/25 07:50	06/05/25 08:24	1
13C2 PFDaA	71.2		40 - 130	06/04/25 07:50	06/05/25 08:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10400	^+	12.6	10.8	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Antimony	1.3	J	18.8	0.67	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Arsenic	13.4		2.5	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Barium	73.5		0.63	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Beryllium	0.55		0.25	0.050	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Cadmium	0.41		0.25	0.088	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Calcium	17200	^+	62.8	33.9	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Chromium	15.3		0.63	0.45	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Cobalt	12.5		0.63	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Copper	43.3		1.3	0.72	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Iron	28100	^+	12.6	10.6	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Lead	25.4		1.3	0.58	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Magnesium	6420	^+	25.1	10.6	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Manganese	309		1.3	0.35	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Nickel	36.5	^5-	6.3	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Potassium	2080		37.7	30.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Selenium	1.2	J	5.0	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Silver	ND	^5-	0.75	0.25	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Sodium	91.5	J	176	77.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Thallium	ND		7.5	0.95	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Vanadium	19.6		0.63	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1
Zinc	115	^5-	2.5	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 15:54	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-5

Date Collected: 05/30/25 12:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-11

Matrix: Solid

Percent Solids: 83.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.50	mg/Kg	☆	06/04/25 14:20	06/04/25 17:13	1

Client Sample ID: RI-BH-3

Date Collected: 05/30/25 11:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-12

Matrix: Solid

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.9	0.43	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	5.9	0.96	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.3	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,1,2-Trichloroethane	ND	vs	5.9	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,1-Dichloroethane	ND	vs	5.9	0.72	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,1-Dichloroethene	ND	vs	5.9	0.72	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2,4-Trichlorobenzene	ND	*3 vs	5.9	0.36	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	5.9	3.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2-Dichlorobenzene	ND	*3 vs	5.9	0.46	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2-Dichloropropane	ND	vs	5.9	3.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,3-Dichlorobenzene	ND	*3 vs	5.9	0.30	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,4-Dichlorobenzene	ND	*3 vs	5.9	0.83	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
2-Butanone (MEK)	ND	vs	30	2.2	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
2-Hexanone	ND	vs	30	3.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
4-Methyl-2-pentanone (MIBK)	ND	vs	30	1.9	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Acetone	8.1	J vs	30	5.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Benzene	ND	vs	5.9	0.29	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Bromoform	ND	vs	5.9	3.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Carbon disulfide	ND	vs	5.9	3.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Carbon tetrachloride	ND	vs	5.9	0.57	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Chlorobenzene	ND	vs	5.9	0.78	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Dibromochloromethane	ND	vs	5.9	0.76	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Chloroform	ND	vs	5.9	0.37	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.76	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Cyclohexane	ND	vs	5.9	0.83	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Bromodichloromethane	ND	vs	5.9	0.79	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Ethylbenzene	ND	vs	5.9	0.41	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
1,2-Dibromoethane	ND	vs	5.9	0.76	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Isopropylbenzene	ND	*3 vs	5.9	0.89	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Methyl acetate	ND	vs	30	3.6	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Methylcyclohexane	ND	vs	5.9	0.90	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Methylene Chloride	25	vs	5.9	2.7	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Tetrachloroethene	ND	vs	5.9	0.79	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
Toluene	0.54	J vs	5.9	0.45	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
trans-1,2-Dichloroethene	24	vs	5.9	0.61	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1
trans-1,3-Dichloropropene	ND	vs	5.9	2.6	ug/Kg	☆	06/03/25 18:54	06/03/25 22:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1
Vinyl chloride	ND	vs	5.9	0.72	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1
Xylenes, Total	ND	vs	12	0.99	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.85	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1
Styrene	ND	vs	5.9	0.30	ug/Kg	✱	06/03/25 18:54	06/03/25 22:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/03/25 18:54	06/03/25 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	06/03/25 18:54	06/03/25 22:31	1
4-Bromofluorobenzene (Surr)	81		72 - 126	06/03/25 18:54	06/03/25 22:31	1
Toluene-d8 (Surr)	115		71 - 125	06/03/25 18:54	06/03/25 22:31	1
Dibromofluoromethane (Surr)	106		60 - 140	06/03/25 18:54	06/03/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
1,4-Dioxane	ND		110	42	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Chloronaphthalene	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Chlorophenol	ND		190	30	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Methylnaphthalene	51	J	190	30	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Methylphenol	ND		190	31	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Nitroaniline	ND		370	32	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
2-Nitrophenol	ND		190	22	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
3,3'-Dichlorobenzidine	ND		370	55	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
3-Nitroaniline	ND		370	27	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Chloroaniline	ND		190	27	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Methylphenol	ND		370	34	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Nitroaniline	ND		370	28	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
4-Nitrophenol	ND		370	52	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Acenaphthene	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Acenaphthylene	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Acetophenone	ND		190	33	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Anthracene	51	J	190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Atrazine	ND		190	64	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1
Benzaldehyde	ND		190	140	ug/Kg	✱	06/03/25 06:37	06/04/25 17:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	160	J	190	26	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Benzo[a]pyrene	110	J	190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Benzo[b]fluoranthene	130	J	190	25	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Benzo[g,h,i]perylene	68	J	190	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Benzo[k]fluoranthene	55	J	190	42	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Caprolactam	ND		190	44	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Carbazole	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Chrysene	150	J	190	46	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Dibenz(a,h)anthracene	ND		190	38	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Dibenzofuran	ND		190	33	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Fluoranthene	260		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Fluorene	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Hexachlorocyclopentadiene	ND		370	83	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Hexachloroethane	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Indeno[1,2,3-cd]pyrene	58	J	190	28	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Isophorone	ND		190	39	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Naphthalene	ND		190	31	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Nitrobenzene	ND		190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Pentachlorophenol	ND		370	60	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Phenanthrene	290		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Phenol	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1
Pyrene	250		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 17:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	35000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 17:52	1
Unknown	2100	T J	ug/Kg	☼	3.47	N/A	06/03/25 06:37	06/04/25 17:52	1
Unknown	320	T J	ug/Kg	☼	9.04	N/A	06/03/25 06:37	06/04/25 17:52	1
Pentacosane	600	T J N	ug/Kg	☼	10.38	629-99-2	06/03/25 06:37	06/04/25 17:52	1
Octadecane	300	T J N	ug/Kg	☼	10.85	593-45-3	06/03/25 06:37	06/04/25 17:52	1
Unknown	350	T J	ug/Kg	☼	12.62	N/A	06/03/25 06:37	06/04/25 17:52	1
Unknown	470	T J	ug/Kg	☼	13.47	N/A	06/03/25 06:37	06/04/25 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		22 - 120	06/03/25 06:37	06/04/25 17:52	1
p-Terphenyl-d14 (Surr)	92		28 - 124	06/03/25 06:37	06/04/25 17:52	1
Phenol-d5 (Surr)	76		23 - 120	06/03/25 06:37	06/04/25 17:52	1
2-Fluorophenol (Surr)	74		18 - 120	06/03/25 06:37	06/04/25 17:52	1
2,4,6-Tribromophenol (Surr)	82		10 - 140	06/03/25 06:37	06/04/25 17:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		29 - 120	06/03/25 06:37	06/04/25 17:52	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.76	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
4,4'-DDT	1.7	J B	3.9	0.92	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
beta-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
cis-Chlordane	ND		3.9	2.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
alpha-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Aldrin	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
delta-BHC	ND		3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Dieldrin	ND		3.9	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endosulfan II	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endrin	1.4	J	3.9	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Endrin ketone	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Heptachlor	ND		3.9	0.85	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Methoxychlor	0.87	J	3.9	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:20	06/04/25 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		45 - 120	06/03/25 13:20	06/04/25 15:00	1
DCB Decachlorobiphenyl	105		45 - 120	06/03/25 13:20	06/04/25 15:00	1
Tetrachloro-m-xylene	73		30 - 124	06/03/25 13:20	06/04/25 15:00	1
Tetrachloro-m-xylene	79		30 - 124	06/03/25 13:20	06/04/25 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1221	ND		0.29	0.057	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1232	ND		0.29	0.057	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1242	ND		0.29	0.057	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1248	ND		0.29	0.057	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1254	ND		0.29	0.14	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1
PCB-1260	ND		0.29	0.14	mg/Kg	☆	06/03/25 06:25	06/03/25 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	06/03/25 06:25	06/03/25 17:59	1
Tetrachloro-m-xylene	112		60 - 154	06/03/25 06:25	06/03/25 17:59	1
DCB Decachlorobiphenyl	122		65 - 174	06/03/25 06:25	06/03/25 17:59	1
DCB Decachlorobiphenyl	119		65 - 174	06/03/25 06:25	06/03/25 17:59	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.096	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:38	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 08:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 08:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:50	06/05/25 08:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	06/04/25 07:50	06/05/25 08:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.39	ng/g	☼	06/04/25 07:50	06/05/25 08:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	64.4		8 - 130				06/04/25 07:50	06/05/25 08:38	1
13C5-PFPeA	73.3		35 - 130				06/04/25 07:50	06/05/25 08:38	1
13C5-PFHxA	69.7		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C4-PFHpA	73.2		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C8-PFOA	63.3		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C9-PFNA	64.7		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C6-PFDA	60.8		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C7-PFUnA	61.4		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C2-PFTeDA	53.7		20 - 130				06/04/25 07:50	06/05/25 08:38	1
13C3-PFBS	52.3		40 - 135				06/04/25 07:50	06/05/25 08:38	1
13C3-PFHxS	52.9		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C8-PFOS	50.7		40 - 130				06/04/25 07:50	06/05/25 08:38	1
13C8-PFOSA	56.5		40 - 130				06/04/25 07:50	06/05/25 08:38	1
d3-NMeFOSAA	63.3		40 - 135				06/04/25 07:50	06/05/25 08:38	1
d5-NEtFOSAA	66.6		40 - 150				06/04/25 07:50	06/05/25 08:38	1
13C2 4:2 FTS	53.6		40 - 165				06/04/25 07:50	06/05/25 08:38	1
13C2 6:2 FTS	56.3		40 - 215				06/04/25 07:50	06/05/25 08:38	1
13C2 8:2 FTS	54.4		40 - 275				06/04/25 07:50	06/05/25 08:38	1
13C3-HFPO-DA	60.8		40 - 130				06/04/25 07:50	06/05/25 08:38	1
D7-NMeFOSE	56.1		20 - 130				06/04/25 07:50	06/05/25 08:38	1
D9-NEtFOSE	51.0		15 - 130				06/04/25 07:50	06/05/25 08:38	1
d5-NEtPFOSA	51.4		10 - 130				06/04/25 07:50	06/05/25 08:38	1
d3-NMePFOSA	50.9		10 - 130				06/04/25 07:50	06/05/25 08:38	1
13C2 PFDa	57.8		40 - 130				06/04/25 07:50	06/05/25 08:38	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3100	^+	12.2	10.5	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Antimony	0.79	J	18.3	0.65	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Arsenic	6.0		2.4	1.1	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Barium	17.4		0.61	0.17	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Beryllium	0.18	J	0.24	0.049	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Cadmium	0.14	J	0.24	0.085	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Calcium	5750	^+	61.1	33.0	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Chromium	4.3		0.61	0.44	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Cobalt	4.4		0.61	0.12	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Copper	12.1		1.2	0.70	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Iron	8400	^+	12.2	10.4	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Lead	17.6		1.2	0.56	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1
Magnesium	2110	^+	24.4	10.4	mg/Kg	☼	06/02/25 15:39	06/05/25 17:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	157		1.2	0.34	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Nickel	8.6	^5-	6.1	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Potassium	771		36.6	29.6	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Selenium	ND		4.9	0.98	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Silver	ND	^5-	0.73	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Sodium	76.7	J	171	74.9	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Thallium	ND		7.3	0.93	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Vanadium	7.5		0.61	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1
Zinc	45.9	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.024	0.0055	mg/Kg	☆	06/02/25 13:35	06/02/25 15:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.49	mg/Kg	☆	06/04/25 14:20	06/04/25 17:16	1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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	6.5	0.47	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,1,2,2-Tetrachloroethane	ND	F1 F2 vs	6.5	1.0	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,1,2-Trichloroethane	ND	vs	6.5	0.84	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,1-Dichloroethane	ND	vs	6.5	0.79	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,1-Dichloroethene	ND	vs	6.5	0.79	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,2,4-Trichlorobenzene	ND	F1 vs	6.5	0.39	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.5	3.2	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,2-Dichlorobenzene	ND	vs	6.5	0.51	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,2-Dichloroethane	ND	vs	6.5	0.32	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,2-Dichloropropane	ND	vs	6.5	3.2	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,3-Dichlorobenzene	ND	vs	6.5	0.33	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
1,4-Dichlorobenzene	ND	vs	6.5	0.90	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
2-Butanone (MEK)	ND	F1 vs	32	2.4	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Acetone	7.9	J vs	32	5.4	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Benzene	ND	vs	6.5	0.32	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Bromoform	ND	vs	6.5	3.2	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Bromomethane	ND	vs	6.5	0.58	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Carbon disulfide	ND	vs	6.5	3.2	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Carbon tetrachloride	ND	vs	6.5	0.63	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Chlorobenzene	ND	vs	6.5	0.85	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Dibromochloromethane	ND	vs	6.5	0.83	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Chloroethane	ND	vs	6.5	1.5	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1
Chloroform	ND	vs	6.5	0.40	ug/Kg	☆	06/02/25 11:51	06/03/25 00:56	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	6.5	0.39	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
cis-1,2-Dichloroethene	ND	vs	6.5	0.83	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Cyclohexane	ND	vs	6.5	0.90	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Bromodichloromethane	ND	vs	6.5	0.87	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Dichlorodifluoromethane	ND	vs	6.5	0.53	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Ethylbenzene	ND	vs	6.5	0.45	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
1,2-Dibromoethane	ND	vs	6.5	0.83	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Isopropylbenzene	ND	vs	6.5	0.97	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Methyl acetate	ND	F1 vs	32	3.9	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Methyl tert-butyl ether	ND	vs	6.5	0.63	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Methylcyclohexane	1.4	J vs	6.5	0.98	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Methylene Chloride	49	vs	6.5	3.0	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Tetrachloroethene	ND	vs	6.5	0.87	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Toluene	ND	vs	6.5	0.49	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
trans-1,2-Dichloroethene	34	F1 vs	6.5	0.67	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
trans-1,3-Dichloropropene	ND	vs	6.5	2.8	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Trichloroethene	ND	F1 vs	6.5	1.4	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Trichlorofluoromethane	ND	vs	6.5	0.61	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Vinyl chloride	ND	vs	6.5	0.79	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
cis-1,3-Dichloropropene	ND	vs	6.5	0.93	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1
Styrene	ND	vs	6.5	0.32	ug/Kg	✱	06/02/25 11:51	06/03/25 00:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/02/25 11:51	06/03/25 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	06/02/25 11:51	06/03/25 00:56	1
4-Bromofluorobenzene (Surr)	94		72 - 126	06/02/25 11:51	06/03/25 00:56	1
Toluene-d8 (Surr)	105		71 - 125	06/02/25 11:51	06/03/25 00:56	1
Dibromofluoromethane (Surr)	108		60 - 140	06/02/25 11:51	06/03/25 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		230	42	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
1,4-Dioxane	ND		130	49	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
bis (2-chloroisopropyl) ether	ND		230	46	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4,5-Trichlorophenol	ND		230	45	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4,6-Trichlorophenol	ND		230	34	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4-Dichlorophenol	ND		230	44	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4-Dimethylphenol	ND		230	47	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4-Dinitrophenol	ND		2200	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,4-Dinitrotoluene	ND		230	30	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2,6-Dinitrotoluene	ND		230	32	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Chloronaphthalene	ND		230	42	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Chlorophenol	ND		230	35	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Methylnaphthalene	ND		230	35	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Methylphenol	ND		230	36	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Nitroaniline	ND		440	38	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
2-Nitrophenol	ND		230	25	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		440	66	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
3-Nitroaniline	ND		440	32	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4,6-Dinitro-2-methylphenol	ND		440	49	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Bromophenyl phenyl ether	ND		230	38	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Chloro-3-methylphenol	ND		230	46	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Chloroaniline	ND		230	32	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Chlorophenyl phenyl ether	ND		230	47	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Methylphenol	ND		440	40	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Nitroaniline	ND		440	33	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
4-Nitrophenol	ND		440	61	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Acenaphthene	71	J	230	42	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Acenaphthylene	62	J	230	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Acetophenone	ND		230	39	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Anthracene	220	J	230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Atrazine	ND		230	76	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzaldehyde	ND		230	170	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzo[a]anthracene	520	F1	230	31	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzo[a]pyrene	440		230	38	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzo[b]fluoranthene	520		230	30	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzo[g,h,i]perylene	190	J	230	39	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Benzo[k]fluoranthene	300		230	50	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Bis(2-chloroethoxy)methane	ND		230	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Bis(2-chloroethyl)ether	ND		230	42	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Bis(2-ethylhexyl) phthalate	ND		230	49	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Butyl benzyl phthalate	ND		230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Caprolactam	ND		230	52	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Carbazole	48	J	230	44	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Chrysene	520		230	54	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Dibenz(a,h)anthracene	85	J	230	45	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Dibenzofuran	44	J	230	39	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Diethyl phthalate	ND		230	40	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Dimethyl phthalate	ND		230	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Di-n-butyl phthalate	ND		230	50	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Di-n-octyl phthalate	ND		230	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Fluoranthene	960	F1	230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Fluorene	69	J	230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Hexachlorobenzene	ND		230	43	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Hexachlorobutadiene	ND		230	34	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Hexachlorocyclopentadiene	ND		440	98	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Hexachloroethane	ND		230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Indeno[1,2,3-cd]pyrene	200	J	230	33	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Isophorone	ND		230	46	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Naphthalene	ND		230	37	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Nitrobenzene	ND		230	38	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
N-Nitrosodi-n-propylamine	ND		230	50	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
N-Nitrosodiphenylamine	ND		230	37	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Pentachlorophenol	ND		440	71	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Phenanthrene	780		230	42	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1
Phenol	ND		230	41	ug/Kg	✱	06/03/25 06:37	06/04/25 12:53	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	900	F1	230	43	ug/Kg	☼	06/03/25 06:37	06/04/25 12:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	17000	T J	ug/Kg	☼	1.99	N/A	06/03/25 06:37	06/04/25 12:53	1
Unknown	2500	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 12:53	1
Unknown	440	T J	ug/Kg	☼	11.49	N/A	06/03/25 06:37	06/04/25 12:53	1
Unknown	630	T J	ug/Kg	☼	13.72	N/A	06/03/25 06:37	06/04/25 12:53	1
Unknown	430	T J	ug/Kg	☼	14.22	N/A	06/03/25 06:37	06/04/25 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		22 - 120	06/03/25 06:37	06/04/25 12:53	1
p-Terphenyl-d14 (Surr)	85		28 - 124	06/03/25 06:37	06/04/25 12:53	1
Phenol-d5 (Surr)	78		23 - 120	06/03/25 06:37	06/04/25 12:53	1
2-Fluorophenol (Surr)	75		18 - 120	06/03/25 06:37	06/04/25 12:53	1
2,4,6-Tribromophenol (Surr)	76		10 - 140	06/03/25 06:37	06/04/25 12:53	1
2-Fluorobiphenyl (Surr)	75		29 - 120	06/03/25 06:37	06/04/25 12:53	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.4	0.86	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
4,4'-DDE	6.0		4.4	0.93	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
4,4'-DDT	5.8	B	4.4	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
beta-BHC	0.92	J	4.4	0.79	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
cis-Chlordane	ND		4.4	2.2	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
alpha-BHC	1.2	J	4.4	0.79	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Aldrin	ND		4.4	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
delta-BHC	1.3	J	4.4	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Dieldrin	ND		4.4	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endosulfan I	ND		4.4	0.85	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endosulfan II	5.8		4.4	0.79	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endosulfan sulfate	ND		4.4	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endrin	4.0	J	4.4	0.87	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endrin aldehyde	1.7	J F1	4.4	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Endrin ketone	13	F1	4.4	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
gamma-BHC (Lindane)	ND		4.4	0.81	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
trans-Chlordane	ND		4.4	1.4	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Heptachlor	ND		4.4	0.96	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Heptachlor epoxide	ND		4.4	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Methoxychlor	9.8	F1	4.4	0.90	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1
Toxaphene	ND		44	26	ug/Kg	☼	06/03/25 13:20	06/04/25 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	220	S1+	45 - 120	06/03/25 13:20	06/04/25 11:05	1
DCB Decachlorobiphenyl	309	S1+	45 - 120	06/03/25 13:20	06/04/25 11:05	1
Tetrachloro-m-xylene	97		30 - 124	06/03/25 13:20	06/04/25 11:05	1
Tetrachloro-m-xylene	76		30 - 124	06/03/25 13:20	06/04/25 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	☼	06/02/25 07:20	06/02/25 14:51	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	06/02/25 07:20	06/02/25 14:51	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.29	0.056	mg/Kg	✱	06/02/25 07:20	06/02/25 14:51	1
PCB-1242	ND		0.29	0.056	mg/Kg	✱	06/02/25 07:20	06/02/25 14:51	1
PCB-1248	ND		0.29	0.056	mg/Kg	✱	06/02/25 07:20	06/02/25 14:51	1
PCB-1254	ND		0.29	0.14	mg/Kg	✱	06/02/25 07:20	06/02/25 14:51	1
PCB-1260	ND		0.29	0.14	mg/Kg	✱	06/02/25 07:20	06/02/25 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	06/02/25 07:20	06/02/25 14:51	1
Tetrachloro-m-xylene	120		60 - 154	06/02/25 07:20	06/02/25 14:51	1
DCB Decachlorobiphenyl	114		65 - 174	06/02/25 07:20	06/02/25 14:51	1
DCB Decachlorobiphenyl	118		65 - 174	06/02/25 07:20	06/02/25 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:50	06/05/25 08:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/04/25 07:50	06/05/25 08:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	81.7		8 - 130	06/04/25 07:50	06/05/25 08:52	1
13C5-PFPeA	86.7		35 - 130	06/04/25 07:50	06/05/25 08:52	1
13C5-PFHxA	83.6		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C4-PFHpA	89.5		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C8-PFOA	78.2		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C9-PFNA	83.9		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C6-PFDA	86.0		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C7-PFUnA	86.6		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C2-PFTeDA	72.4		20 - 130	06/04/25 07:50	06/05/25 08:52	1
13C3-PFBS	69.4		40 - 135	06/04/25 07:50	06/05/25 08:52	1
13C3-PFHxS	77.7		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C8-PFOS	77.8		40 - 130	06/04/25 07:50	06/05/25 08:52	1
13C8-PFOSA	68.8		40 - 130	06/04/25 07:50	06/05/25 08:52	1
d3-NMeFOSAA	82.6		40 - 135	06/04/25 07:50	06/05/25 08:52	1
d5-NEtFOSAA	83.7		40 - 150	06/04/25 07:50	06/05/25 08:52	1
13C2 4:2 FTS	81.3		40 - 165	06/04/25 07:50	06/05/25 08:52	1
13C2 6:2 FTS	84.1		40 - 215	06/04/25 07:50	06/05/25 08:52	1
13C2 8:2 FTS	73.7		40 - 275	06/04/25 07:50	06/05/25 08:52	1
13C3-HFPO-DA	70.3		40 - 130	06/04/25 07:50	06/05/25 08:52	1
D7-NMeFOSE	69.7		20 - 130	06/04/25 07:50	06/05/25 08:52	1
D9-NEtFOSE	64.1		15 - 130	06/04/25 07:50	06/05/25 08:52	1
d5-NEtPFOSA	58.9		10 - 130	06/04/25 07:50	06/05/25 08:52	1
d3-NMePFOSA	60.4		10 - 130	06/04/25 07:50	06/05/25 08:52	1
13C2 PFDaA	88.1		40 - 130	06/04/25 07:50	06/05/25 08:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-4 Fill

Lab Sample ID: 480-229829-13

Date Collected: 05/30/25 01:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19700	^+	13.3	11.5	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Antimony	1.5	J F1	19.9	0.70	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Arsenic	15.5		2.7	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Barium	216		0.66	0.19	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Beryllium	0.85		0.27	0.053	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Cadmium	0.63		0.27	0.093	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Calcium	3330	^+ F1	66.4	35.9	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Chromium	24.5		0.66	0.48	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Cobalt	13.6		0.66	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Copper	22.0		1.3	0.76	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Iron	35700	^+	13.3	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Lead	108	F1	1.3	0.61	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Magnesium	3760	^+	26.6	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Manganese	716	F2	1.3	0.37	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Nickel	24.6	^5-	6.6	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Potassium	3010	F1	39.9	32.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Selenium	ND		5.3	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Silver	ND	^5-	0.80	0.27	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Sodium	97.5	J	186	81.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Thallium	ND		8.0	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Vanadium	36.5		0.66	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1
Zinc	120	^5- F1	2.7	1.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:25	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.4	F1	0.026	0.0059	mg/Kg	☆	06/02/25 13:35	06/02/25 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F2 F1	1.2	0.57	mg/Kg	☆	06/04/25 14:20	06/04/25 17:01	1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.2	0.45	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,1,2,2-Tetrachloroethane	ND	vs	6.2	1.0	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.2	1.4	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,1,2-Trichloroethane	ND	vs	6.2	0.81	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,1-Dichloroethane	ND	vs	6.2	0.76	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,1-Dichloroethene	ND	vs	6.2	0.76	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2,4-Trichlorobenzene	ND	vs	6.2	0.38	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.2	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2-Dichlorobenzene	ND	vs	6.2	0.49	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2-Dichloroethane	ND	vs	6.2	0.31	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2-Dichloropropane	ND	vs	6.2	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,3-Dichlorobenzene	ND	vs	6.2	0.32	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,4-Dichlorobenzene	ND	vs	6.2	0.87	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	8.5	J vs	31	2.3	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Acetone	49	vs	31	5.2	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Benzene	ND	vs	6.2	0.31	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Bromoform	ND	vs	6.2	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Bromomethane	ND	vs	6.2	0.56	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Carbon disulfide	ND	vs	6.2	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Carbon tetrachloride	ND	vs	6.2	0.60	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Chlorobenzene	ND	vs	6.2	0.82	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Dibromochloromethane	ND	vs	6.2	0.80	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Chloroethane	ND	vs	6.2	1.4	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Chloroform	ND	vs	6.2	0.38	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Chloromethane	ND	vs	6.2	0.38	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
cis-1,2-Dichloroethene	ND	vs	6.2	0.80	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Cyclohexane	ND	vs	6.2	0.87	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Bromodichloromethane	ND	vs	6.2	0.83	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Dichlorodifluoromethane	ND	vs	6.2	0.51	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Ethylbenzene	ND	vs	6.2	0.43	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
1,2-Dibromoethane	ND	vs	6.2	0.80	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Isopropylbenzene	ND	vs	6.2	0.94	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Methyl acetate	ND	vs	31	3.8	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Methyl tert-butyl ether	ND	vs	6.2	0.61	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Methylcyclohexane	ND	vs	6.2	0.95	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Methylene Chloride	ND	vs	6.2	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Tetrachloroethene	ND	vs	6.2	0.84	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Toluene	ND	vs	6.2	0.47	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
trans-1,2-Dichloroethene	ND	vs	6.2	0.64	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
trans-1,3-Dichloropropene	ND	vs	6.2	2.7	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Trichloroethene	ND	vs	6.2	1.4	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Trichlorofluoromethane	ND	vs	6.2	0.59	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Vinyl chloride	ND	vs	6.2	0.76	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
cis-1,3-Dichloropropene	ND	vs	6.2	0.90	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1
Styrene	ND	vs	6.2	0.31	ug/Kg	☆	06/02/25 11:51	06/03/25 01:23	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/02/25 11:51	06/03/25 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	06/02/25 11:51	06/03/25 01:23	1
4-Bromofluorobenzene (Surr)	94		72 - 126	06/02/25 11:51	06/03/25 01:23	1
Toluene-d8 (Surr)	103		71 - 125	06/02/25 11:51	06/03/25 01:23	1
Dibromofluoromethane (Surr)	97		60 - 140	06/02/25 11:51	06/03/25 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	40	ug/Kg	☆	06/03/25 06:37	06/04/25 18:17	1
1,4-Dioxane	ND		120	46	ug/Kg	☆	06/03/25 06:37	06/04/25 18:17	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☆	06/03/25 06:37	06/04/25 18:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,4-Dinitrophenol	ND		2100	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Chloronaphthalene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Chlorophenol	ND		210	33	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Methylnaphthalene	ND		210	33	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Methylphenol	ND		210	34	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Nitroaniline	ND		410	36	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
2-Nitrophenol	ND		210	24	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
3,3'-Dichlorobenzidine	ND		410	62	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
3-Nitroaniline	ND		410	30	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Chloroaniline	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Methylphenol	ND		410	38	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Nitroaniline	ND		410	31	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
4-Nitrophenol	ND		410	58	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Acenaphthene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Acenaphthylene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Acetophenone	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Anthracene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Atrazine	ND		210	71	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzaldehyde	ND		210	160	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzo[a]anthracene	ND		210	29	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzo[a]pyrene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzo[g,h,i]perylene	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Bis(2-ethylhexyl) phthalate	ND		210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Caprolactam	ND		210	49	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Carbazole	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Chrysene	ND		210	51	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Dibenz(a,h)anthracene	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Dibenzofuran	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Diethyl phthalate	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Dimethyl phthalate	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Fluoranthene	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Fluorene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Hexachlorobutadiene	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Hexachlorocyclopentadiene	ND		410	92	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Hexachloroethane	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Isophorone	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Naphthalene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Nitrobenzene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Pentachlorophenol	ND		410	67	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Phenanthrene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Phenol	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1
Pyrene	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 18:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	23000	T J	ug/Kg	✱	2.00	N/A	06/03/25 06:37	06/04/25 18:17	1
Unknown	2200	T J	ug/Kg	✱	3.47	N/A	06/03/25 06:37	06/04/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		22 - 120	06/03/25 06:37	06/04/25 18:17	1
p-Terphenyl-d14 (Surr)	87		28 - 124	06/03/25 06:37	06/04/25 18:17	1
Phenol-d5 (Surr)	77		23 - 120	06/03/25 06:37	06/04/25 18:17	1
2-Fluorophenol (Surr)	79		18 - 120	06/03/25 06:37	06/04/25 18:17	1
2,4,6-Tribromophenol (Surr)	77		10 - 140	06/03/25 06:37	06/04/25 18:17	1
2-Fluorobiphenyl (Surr)	74		29 - 120	06/03/25 06:37	06/04/25 18:17	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.82	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
4,4'-DDE	ND		4.2	0.89	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
4,4'-DDT	1.9	J B	4.2	0.99	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
beta-BHC	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
alpha-BHC	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Aldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
delta-BHC	ND		4.2	0.79	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Dieldrin	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endosulfan I	ND		4.2	0.81	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endosulfan II	ND		4.2	0.76	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endosulfan sulfate	ND		4.2	0.79	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endrin	ND		4.2	0.84	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Endrin ketone	ND		4.2	1.0	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
gamma-BHC (Lindane)	ND		4.2	0.78	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Heptachlor	ND		4.2	0.91	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Methoxychlor	ND		4.2	0.86	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1
Toxaphene	ND		42	25	ug/Kg	✱	06/03/25 13:20	06/04/25 15:20	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		45 - 120	06/03/25 13:20	06/04/25 15:20	1
DCB Decachlorobiphenyl	111		45 - 120	06/03/25 13:20	06/04/25 15:20	1
Tetrachloro-m-xylene	78		30 - 124	06/03/25 13:20	06/04/25 15:20	1
Tetrachloro-m-xylene	85		30 - 124	06/03/25 13:20	06/04/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1221	ND		0.28	0.055	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1232	ND		0.28	0.055	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1242	ND		0.28	0.055	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1248	ND		0.28	0.055	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1254	ND		0.28	0.13	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1
PCB-1260	ND		0.28	0.13	mg/Kg	✱	06/03/25 06:25	06/03/25 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		60 - 154	06/03/25 06:25	06/03/25 18:18	1
Tetrachloro-m-xylene	110		60 - 154	06/03/25 06:25	06/03/25 18:18	1
DCB Decachlorobiphenyl	122		65 - 174	06/03/25 06:25	06/03/25 18:18	1
DCB Decachlorobiphenyl	118		65 - 174	06/03/25 06:25	06/03/25 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 09:35	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.30	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.30	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	06/04/25 07:50	06/05/25 09:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	107		8 - 130	06/04/25 07:50	06/05/25 09:35	1
13C5-PFPeA	116		35 - 130	06/04/25 07:50	06/05/25 09:35	1
13C5-PFHxA	112		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C4-PFHpA	115		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C8-PFOA	103		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C9-PFNA	106		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C6-PFDA	104		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C7-PFUnA	96.9		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C2-PFTeDA	58.4		20 - 130	06/04/25 07:50	06/05/25 09:35	1
13C3-PFBS	101		40 - 135	06/04/25 07:50	06/05/25 09:35	1
13C3-PFHxS	106		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C8-PFOS	106		40 - 130	06/04/25 07:50	06/05/25 09:35	1
13C8-PFOSA	96.1		40 - 130	06/04/25 07:50	06/05/25 09:35	1
d3-NMeFOSAA	99.9		40 - 135	06/04/25 07:50	06/05/25 09:35	1
d5-NEtFOSAA	105		40 - 150	06/04/25 07:50	06/05/25 09:35	1
13C2 4:2 FTS	108		40 - 165	06/04/25 07:50	06/05/25 09:35	1
13C2 6:2 FTS	120		40 - 215	06/04/25 07:50	06/05/25 09:35	1
13C2 8:2 FTS	101		40 - 275	06/04/25 07:50	06/05/25 09:35	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-HFPO-DA	97.0		40 - 130	06/04/25 07:50	06/05/25 09:35	1
D7-NMeFOSE	87.6		20 - 130	06/04/25 07:50	06/05/25 09:35	1
D9-NEtFOSE	78.5		15 - 130	06/04/25 07:50	06/05/25 09:35	1
d5-NEtPFOSA	84.4		10 - 130	06/04/25 07:50	06/05/25 09:35	1
d3-NMePFOSA	83.2		10 - 130	06/04/25 07:50	06/05/25 09:35	1
13C2 PFDaA	83.3		40 - 130	06/04/25 07:50	06/05/25 09:35	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18200	^+	13.1	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Antimony	0.86	J	19.6	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Arsenic	7.0		2.6	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Barium	178		0.65	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Beryllium	0.85		0.26	0.052	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Cadmium	0.55		0.26	0.092	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Calcium	1330	^+	65.5	35.4	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Chromium	22.3		0.65	0.47	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Cobalt	13.4		0.65	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Copper	14.1		1.3	0.75	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Iron	26800	^+	13.1	11.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Lead	18.8		1.3	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Magnesium	3630	^+	26.2	11.1	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Manganese	271		1.3	0.37	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Nickel	23.9	^5-	6.5	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Potassium	2790		39.3	31.7	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Selenium	1.3	J	5.2	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Silver	ND	^5-	0.79	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Sodium	ND		183	80.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Thallium	ND		7.9	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Vanadium	33.4		0.65	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1
Zinc	95.6	^5-	2.6	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 17:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.025	0.0057	mg/Kg	☆	06/02/25 13:35	06/02/25 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.59	mg/Kg	☆	06/04/25 14:20	06/04/25 17:16	1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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	5.8	0.42	ug/Kg	☆	06/02/25 11:51	06/03/25 01:50	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.93	ug/Kg	☆	06/02/25 11:51	06/03/25 01:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/02/25 11:51	06/03/25 01:50	1
1,1,2-Trichloroethane	ND	vs	5.8	0.75	ug/Kg	☆	06/02/25 11:51	06/03/25 01:50	1
1,1-Dichloroethane	ND	vs	5.8	0.70	ug/Kg	☆	06/02/25 11:51	06/03/25 01:50	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Acetone	ND	vs	29	4.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Benzene	0.90	J vs	5.8	0.28	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Chlorobenzene	ND	vs	5.8	0.76	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Chloroform	0.44	J vs	5.8	0.36	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Bromodichloromethane	ND	vs	5.8	0.77	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Ethylbenzene	1.2	J vs	5.8	0.40	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
1,2-Dibromoethane	ND	vs	5.8	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Isopropylbenzene	ND	vs	5.8	0.87	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Methylene Chloride	38	vs	5.8	2.6	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Tetrachloroethene	ND	vs	5.8	0.77	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Toluene	2.1	J vs	5.8	0.44	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
trans-1,2-Dichloroethene	26	vs	5.8	0.59	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.5	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Trichloroethene	ND	vs	5.8	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Trichlorofluoromethane	ND	vs	5.8	0.54	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Vinyl chloride	ND	vs	5.8	0.70	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Xylenes, Total	0.98	J vs	12	0.97	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.83	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1
Styrene	ND	vs	5.8	0.29	ug/Kg	✱	06/02/25 11:51	06/03/25 01:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	16	T J N	ug/Kg	✱	1.81	78-78-4	06/02/25 11:51	06/03/25 01:50	1
Pentane	24	T J N	ug/Kg	✱	2.05	109-66-0	06/02/25 11:51	06/03/25 01:50	1
Pentane, 2-methyl-	13	T J N	ug/Kg	✱	2.94	107-83-5	06/02/25 11:51	06/03/25 01:50	1
Unknown	15	T J	ug/Kg	✱	3.17	N/A	06/02/25 11:51	06/03/25 01:50	1
Hexane	19	T J N	ug/Kg	✱	3.44	110-54-3	06/02/25 11:51	06/03/25 01:50	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Hexene	8.1	T J N	ug/Kg	⊛	3.60	592-43-8	06/02/25 11:51	06/03/25 01:50	1
Hexane, 3-methyl-	9.0	T J N	ug/Kg	⊛	4.76	589-34-4	06/02/25 11:51	06/03/25 01:50	1
Heptane	6.6	T J N	ug/Kg	⊛	5.17	142-82-5	06/02/25 11:51	06/03/25 01:50	1
2-Heptene, (E)-	6.5	T J N	ug/Kg	⊛	5.35	14686-13-6	06/02/25 11:51	06/03/25 01:50	1
m-Xylene & p-Xylene	0.98	J	ug/Kg	⊛	8.48	179601-23-1	06/02/25 11:51	06/03/25 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	06/02/25 11:51	06/03/25 01:50	1
4-Bromofluorobenzene (Surr)	84		72 - 126	06/02/25 11:51	06/03/25 01:50	1
Toluene-d8 (Surr)	115		71 - 125	06/02/25 11:51	06/03/25 01:50	1
Dibromofluoromethane (Surr)	108		60 - 140	06/02/25 11:51	06/03/25 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
1,4-Dioxane	ND		110	42	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Chloronaphthalene	ND		190	36	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Chlorophenol	ND		190	30	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Methylnaphthalene	48	J	190	30	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Methylphenol	ND		190	31	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Nitroaniline	ND		370	33	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
2-Nitrophenol	ND		190	22	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
3-Nitroaniline	ND		370	27	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Chloroaniline	ND		190	28	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Methylphenol	ND		370	34	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Nitroaniline	ND		370	28	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
4-Nitrophenol	ND		370	52	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Acenaphthene	ND		190	36	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Acenaphthylene	ND		190	37	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Acetophenone	ND		190	34	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Anthracene	ND		190	35	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Atrazine	ND		190	65	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Benzaldehyde	ND		190	150	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Benzo[a]anthracene	83	J	190	26	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Benzo[a]pyrene	65	J	190	33	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1
Benzo[b]fluoranthene	93	J	190	26	ug/Kg	⊛	06/03/25 06:37	06/04/25 18:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	57	J	190	33	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Benzo[k]fluoranthene	78	J	190	43	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Caprolactam	ND		190	44	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Carbazole	ND		190	38	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Chrysene	88	J	190	46	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Dibenzofuran	ND		190	34	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Di-n-octyl phthalate	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Fluoranthene	140	J	190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Fluorene	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Hexachlorocyclopentadiene	ND		370	84	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Hexachloroethane	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Indeno[1,2,3-cd]pyrene	57	J	190	29	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Isophorone	ND		190	39	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Naphthalene	34	J	190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Nitrobenzene	ND		190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Pentachlorophenol	ND		370	61	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Phenanthrene	110	J	190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Phenol	ND		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1
Pyrene	140	J	190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 18:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	42000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 18:42	1
Unknown	2100	T J	ug/Kg	☼	3.47	N/A	06/03/25 06:37	06/04/25 18:42	1
Unknown	380	T J	ug/Kg	☼	11.48	N/A	06/03/25 06:37	06/04/25 18:42	1
Unknown	310	T J	ug/Kg	☼	12.18	N/A	06/03/25 06:37	06/04/25 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		22 - 120	06/03/25 06:37	06/04/25 18:42	1
p-Terphenyl-d14 (Surr)	79		28 - 124	06/03/25 06:37	06/04/25 18:42	1
Phenol-d5 (Surr)	68		23 - 120	06/03/25 06:37	06/04/25 18:42	1
2-Fluorophenol (Surr)	63		18 - 120	06/03/25 06:37	06/04/25 18:42	1
2,4,6-Tribromophenol (Surr)	71		10 - 140	06/03/25 06:37	06/04/25 18:42	1
2-Fluorobiphenyl (Surr)	70		29 - 120	06/03/25 06:37	06/04/25 18:42	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 15:39	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 15:39	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	1.8	J B	3.9	0.92	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
beta-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
cis-Chlordane	ND		3.9	2.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
alpha-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Aldrin	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
delta-BHC	ND		3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Dieldrin	ND		3.9	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endosulfan II	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endrin	ND		3.9	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Endrin ketone	ND		3.9	0.96	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Heptachlor	ND		3.9	0.85	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Methoxychlor	0.98	J	3.9	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:20	06/04/25 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		45 - 120	06/03/25 13:20	06/04/25 15:39	1
DCB Decachlorobiphenyl	77		45 - 120	06/03/25 13:20	06/04/25 15:39	1
Tetrachloro-m-xylene	55		30 - 124	06/03/25 13:20	06/04/25 15:39	1
Tetrachloro-m-xylene	59		30 - 124	06/03/25 13:20	06/04/25 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1221	ND		0.25	0.049	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1232	ND		0.25	0.049	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1242	ND		0.25	0.049	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1248	ND		0.25	0.049	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1254	ND		0.25	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1
PCB-1260	ND		0.25	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	06/03/25 06:25	06/03/25 18:36	1
Tetrachloro-m-xylene	119		60 - 154	06/03/25 06:25	06/03/25 18:36	1
DCB Decachlorobiphenyl	111		65 - 174	06/03/25 06:25	06/03/25 18:36	1
DCB Decachlorobiphenyl	121		65 - 174	06/03/25 06:25	06/03/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Perfluorooctanoic acid (PFOA)	0.15	J	0.20	0.059	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Perfluorononanoic acid (PFNA)	ND		0.12	0.12	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	0.060	J	0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorooctanesulfonic acid (PFOS)	0.76		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	✱	06/04/25 07:50	06/05/25 09:49	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.49	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☆	06/04/25 07:50	06/05/25 09:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	57.4		8 - 130				06/04/25 07:50	06/05/25 09:49	1
13C5-PFPeA	61.6		35 - 130				06/04/25 07:50	06/05/25 09:49	1
13C5-PFHxA	62.6		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C4-PFHpA	73.3		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C8-PFOA	66.4		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C9-PFNA	69.6		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C6-PFDA	67.8		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C7-PFUnA	69.5		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C2-PFTeDA	74.0		20 - 130				06/04/25 07:50	06/05/25 09:49	1
13C3-PFBS	53.5		40 - 135				06/04/25 07:50	06/05/25 09:49	1
13C3-PFHxS	65.8		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C8-PFOS	73.5		40 - 130				06/04/25 07:50	06/05/25 09:49	1
13C8-PFOSA	66.2		40 - 130				06/04/25 07:50	06/05/25 09:49	1
d3-NMeFOSAA	81.3		40 - 135				06/04/25 07:50	06/05/25 09:49	1
d5-NEtFOSAA	88.9		40 - 150				06/04/25 07:50	06/05/25 09:49	1
13C2 4:2 FTS	87.8		40 - 165				06/04/25 07:50	06/05/25 09:49	1
13C2 6:2 FTS	114		40 - 215				06/04/25 07:50	06/05/25 09:49	1
13C2 8:2 FTS	94.4		40 - 275				06/04/25 07:50	06/05/25 09:49	1
13C3-HFPO-DA	48.8		40 - 130				06/04/25 07:50	06/05/25 09:49	1
D7-NMeFOSE	63.8		20 - 130				06/04/25 07:50	06/05/25 09:49	1
D9-NEtFOSE	61.4		15 - 130				06/04/25 07:50	06/05/25 09:49	1
d5-NEtPFOSA	55.5		10 - 130				06/04/25 07:50	06/05/25 09:49	1
d3-NMePFOSA	58.6		10 - 130				06/04/25 07:50	06/05/25 09:49	1
13C2 PFDaA	74.8		40 - 130				06/04/25 07:50	06/05/25 09:49	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4800		12.4	10.7	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Antimony	2.0	J	18.7	0.66	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Arsenic	8.9		2.5	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Barium	162		0.62	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Beryllium	0.37		0.25	0.050	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Cadmium	0.58		0.25	0.087	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Calcium	7160		62.2	33.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Chromium	15.7		0.62	0.45	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Cobalt	4.7		0.62	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Copper	26.1		1.2	0.71	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Iron	37400		12.4	10.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Lead	157		1.2	0.57	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Magnesium	1540		24.9	10.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Manganese	282		1.2	0.35	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Nickel	14.7	^5-	6.2	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Potassium	821		37.3	30.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Selenium	ND		5.0	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Silver	ND	^5-	0.75	0.25	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Date Collected: 05/30/25 02:15

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-15

Matrix: Solid

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	130	J	174	76.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Thallium	ND	*+	7.5	0.95	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Vanadium	14.9		0.62	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1
Zinc	126	^5-	2.5	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.023	0.0053	mg/Kg	☆	06/02/25 13:35	06/02/25 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.49	mg/Kg	☆	06/04/25 14:20	06/04/25 17:17	1

Client Sample ID: RI-BH-7 Native

Date Collected: 05/30/25 02:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-16

Matrix: Solid

Percent Solids: 77.3

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	6.3	0.46	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	6.3	1.0	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.3	1.4	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,1,2-Trichloroethane	ND	vs	6.3	0.82	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,1-Dichloroethane	ND	vs	6.3	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,1-Dichloroethene	ND	vs	6.3	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,2,4-Trichlorobenzene	ND	*3 vs	6.3	0.38	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	6.3	3.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,2-Dichlorobenzene	ND	*3 vs	6.3	0.49	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,2-Dichloroethane	ND	vs	6.3	0.32	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,2-Dichloropropane	ND	vs	6.3	3.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,3-Dichlorobenzene	ND	*3 vs	6.3	0.32	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
1,4-Dichlorobenzene	ND	*3 vs	6.3	0.88	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
2-Butanone (MEK)	12	J vs	31	2.3	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Acetone	59	vs	31	5.3	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Benzene	ND	vs	6.3	0.31	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Bromoform	ND	vs	6.3	3.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Bromomethane	ND	vs	6.3	0.57	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Carbon disulfide	ND	vs	6.3	3.1	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Carbon tetrachloride	ND	vs	6.3	0.61	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Chlorobenzene	ND	vs	6.3	0.83	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Dibromochloromethane	ND	vs	6.3	0.80	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Chloroethane	ND	vs	6.3	1.4	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Chloroform	ND	vs	6.3	0.39	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Chloromethane	ND	vs	6.3	0.38	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
cis-1,2-Dichloroethene	ND	vs	6.3	0.80	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Cyclohexane	ND	vs	6.3	0.88	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Bromodichloromethane	ND	vs	6.3	0.84	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1
Dichlorodifluoromethane	ND	vs	6.3	0.52	ug/Kg	☆	06/03/25 18:54	06/03/25 22:58	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	vs	6.3	0.43	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
1,2-Dibromoethane	ND	vs	6.3	0.81	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Isopropylbenzene	ND	*3 vs	6.3	0.95	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Methyl acetate	ND	vs	31	3.8	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Methyl tert-butyl ether	ND	vs	6.3	0.62	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Methylcyclohexane	1.5	J vs	6.3	0.95	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Methylene Chloride	4.4	J vs	6.3	2.9	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Tetrachloroethene	ND	vs	6.3	0.84	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Toluene	ND	vs	6.3	0.47	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
trans-1,2-Dichloroethene	0.70	J vs	6.3	0.65	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
trans-1,3-Dichloropropene	ND	vs	6.3	2.8	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Trichloroethene	ND	vs	6.3	1.4	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Trichlorofluoromethane	ND	vs	6.3	0.59	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Vinyl chloride	ND	vs	6.3	0.77	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
cis-1,3-Dichloropropene	ND	vs	6.3	0.90	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1
Styrene	ND	vs	6.3	0.31	ug/Kg	✧	06/03/25 18:54	06/03/25 22:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7.1	T J	ug/Kg	✧	11.38	N/A	06/03/25 18:54	06/03/25 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	06/03/25 18:54	06/03/25 22:58	1
4-Bromofluorobenzene (Surr)	89		72 - 126	06/03/25 18:54	06/03/25 22:58	1
Toluene-d8 (Surr)	113		71 - 125	06/03/25 18:54	06/03/25 22:58	1
Dibromofluoromethane (Surr)	104		60 - 140	06/03/25 18:54	06/03/25 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	40	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
1,4-Dioxane	ND		130	47	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4-Dimethylphenol	ND		210	45	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4-Dinitrophenol	ND		2100	40	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Chloronaphthalene	ND		210	39	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Chlorophenol	ND		210	33	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Methylnaphthalene	ND		210	33	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Methylphenol	ND		210	34	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Nitroaniline	ND		410	36	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
2-Nitrophenol	ND		210	24	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
3,3'-Dichlorobenzidine	ND		410	62	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
3-Nitroaniline	ND		410	30	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	✧	06/03/25 06:37	06/04/25 19:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		210	30	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
4-Methylphenol	ND		410	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
4-Nitroaniline	ND		410	31	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
4-Nitrophenol	ND		410	58	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Acenaphthene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Acenaphthylene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Acetophenone	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Anthracene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Atrazine	ND		210	72	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzaldehyde	ND		210	160	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzo[a]anthracene	ND		210	29	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzo[a]pyrene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzo[g,h,i]perylene	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Bis(2-chloroethoxy)methane	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Bis(2-ethylhexyl) phthalate	98	J	210	46	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Caprolactam	ND		210	49	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Carbazole	ND		210	42	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Chrysene	ND		210	51	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Dibenz(a,h)anthracene	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Dibenzofuran	ND		210	37	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Diethyl phthalate	ND		210	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Dimethyl phthalate	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Fluoranthene	51	J	210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Fluorene	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Hexachlorobenzene	ND		210	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Hexachlorobutadiene	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Hexachlorocyclopentadiene	ND		410	93	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Hexachloroethane	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Indeno[1,2,3-cd]pyrene	ND		210	32	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Isophorone	ND		210	43	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Naphthalene	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Nitrobenzene	ND		210	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Pentachlorophenol	ND		410	67	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Phenanthrene	48	J	210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Phenol	ND		210	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1
Pyrene	52	J	210	40	ug/Kg	✱	06/03/25 06:37	06/04/25 19:06	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	38000	T J	ug/Kg	✱	1.99	N/A	06/03/25 06:37	06/04/25 19:06	1
Unknown	1700	T J	ug/Kg	✱	3.47	N/A	06/03/25 06:37	06/04/25 19:06	1
Unknown	570	T J	ug/Kg	✱	9.55	N/A	06/03/25 06:37	06/04/25 19:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	560	T J	ug/Kg	☼	13.70	N/A	06/03/25 06:37	06/04/25 19:06	1
Unknown	370	T J	ug/Kg	☼	15.66	N/A	06/03/25 06:37	06/04/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	57		22 - 120				06/03/25 06:37	06/04/25 19:06	1
p-Terphenyl-d14 (Surr)	74		28 - 124				06/03/25 06:37	06/04/25 19:06	1
Phenol-d5 (Surr)	54		23 - 120				06/03/25 06:37	06/04/25 19:06	1
2-Fluorophenol (Surr)	50		18 - 120				06/03/25 06:37	06/04/25 19:06	1
2,4,6-Tribromophenol (Surr)	55		10 - 140				06/03/25 06:37	06/04/25 19:06	1
2-Fluorobiphenyl (Surr)	56		29 - 120				06/03/25 06:37	06/04/25 19:06	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.82	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
4,4'-DDE	ND		4.2	0.89	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
4,4'-DDT	1.8	J B	4.2	0.99	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
beta-BHC	ND		4.2	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
alpha-BHC	ND		4.2	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Aldrin	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
delta-BHC	ND		4.2	0.79	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Dieldrin	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endosulfan I	ND		4.2	0.81	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endosulfan II	ND		4.2	0.76	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endosulfan sulfate	ND		4.2	0.79	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endrin	ND		4.2	0.84	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Endrin ketone	ND		4.2	1.0	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
gamma-BHC (Lindane)	ND		4.2	0.78	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Heptachlor	ND		4.2	0.92	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Methoxychlor	1.2	J	4.2	0.86	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Toxaphene	ND		42	25	ug/Kg	☼	06/03/25 13:20	06/04/25 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		45 - 120				06/03/25 13:20	06/04/25 15:59	1
DCB Decachlorobiphenyl	110		45 - 120				06/03/25 13:20	06/04/25 15:59	1
Tetrachloro-m-xylene	69		30 - 124				06/03/25 13:20	06/04/25 15:59	1
Tetrachloro-m-xylene	74		30 - 124				06/03/25 13:20	06/04/25 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	06/03/25 06:25	06/03/25 18:55	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		60 - 154	06/03/25 06:25	06/03/25 18:55	1
Tetrachloro-m-xylene	110		60 - 154	06/03/25 06:25	06/03/25 18:55	1
DCB Decachlorobiphenyl	118		65 - 174	06/03/25 06:25	06/03/25 18:55	1
DCB Decachlorobiphenyl	116		65 - 174	06/03/25 06:25	06/03/25 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	✱	06/04/25 07:50	06/05/25 10:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	85.1		8 - 130	06/04/25 07:50	06/05/25 10:03	1
13C5-PFPeA	94.3		35 - 130	06/04/25 07:50	06/05/25 10:03	1
13C5-PFHxA	88.7		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C4-PFHpA	93.1		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C8-PFOA	87.5		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C9-PFNA	86.1		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C6-PFDA	93.8		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C7-PFUnA	94.5		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C2-PFTeDA	87.3		20 - 130	06/04/25 07:50	06/05/25 10:03	1
13C3-PFBS	79.3		40 - 135	06/04/25 07:50	06/05/25 10:03	1
13C3-PFHxS	82.6		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C8-PFOS	91.8		40 - 130	06/04/25 07:50	06/05/25 10:03	1
13C8-PFOSA	80.8		40 - 130	06/04/25 07:50	06/05/25 10:03	1
d3-NMeFOSAA	97.4		40 - 135	06/04/25 07:50	06/05/25 10:03	1
d5-NEtFOSAA	98.4		40 - 150	06/04/25 07:50	06/05/25 10:03	1
13C2 4:2 FTS	79.4		40 - 165	06/04/25 07:50	06/05/25 10:03	1
13C2 6:2 FTS	88.5		40 - 215	06/04/25 07:50	06/05/25 10:03	1
13C2 8:2 FTS	85.4		40 - 275	06/04/25 07:50	06/05/25 10:03	1
13C3-HFPO-DA	76.3		40 - 130	06/04/25 07:50	06/05/25 10:03	1
D7-NMeFOSE	71.8		20 - 130	06/04/25 07:50	06/05/25 10:03	1
D9-NEtFOSE	70.4		15 - 130	06/04/25 07:50	06/05/25 10:03	1
d5-NEtPFOSA	71.1		10 - 130	06/04/25 07:50	06/05/25 10:03	1
d3-NMePFOSA	70.7		10 - 130	06/04/25 07:50	06/05/25 10:03	1
13C2 PFDoA	93.9		40 - 130	06/04/25 07:50	06/05/25 10:03	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17600		13.3	11.5	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Antimony	1.5	J	19.9	0.70	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Arsenic	7.7		2.7	1.2	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Barium	145		0.66	0.19	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Beryllium	0.94		0.27	0.053	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Cadmium	0.40		0.27	0.093	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1
Calcium	5400		66.5	35.9	mg/Kg	✱	06/02/25 15:39	06/05/25 15:11	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	23.4		0.66	0.48	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Cobalt	19.8		0.66	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Copper	27.5		1.3	0.76	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Iron	32600		13.3	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Lead	29.0		1.3	0.61	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Magnesium	4570		26.6	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Manganese	414		1.3	0.37	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Nickel	33.9	^5-	6.6	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Potassium	3100		39.9	32.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Selenium	1.2	J	5.3	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Silver	ND	^5-	0.80	0.27	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Sodium	94.7	J	186	81.5	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Thallium	ND	*+	8.0	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Vanadium	32.6		0.66	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1
Zinc	81.2	^5-	2.7	1.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099		0.026	0.0059	mg/Kg	☆	06/02/25 13:35	06/02/25 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.52	mg/Kg	☆	06/04/25 14:20	06/04/25 17:17	1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.41	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6	0.91	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,1,2-Trichloroethane	ND	vs	5.6	0.73	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,1-Dichloroethene	ND	vs	5.6	0.69	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,2,4-Trichlorobenzene	ND	vs	5.6	0.34	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6	2.8	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,2-Dichlorobenzene	ND	vs	5.6	0.44	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,2-Dichloroethane	ND	vs	5.6	0.28	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,3-Dichlorobenzene	ND	vs	5.6	0.29	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
1,4-Dichlorobenzene	ND	vs	5.6	0.79	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
2-Butanone (MEK)	ND	vs	28	2.1	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
Acetone	12	J vs	28	4.7	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
Benzene	ND	vs	5.6	0.28	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
Bromoform	ND	vs	5.6	2.8	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1
Bromomethane	ND	vs	5.6	0.51	ug/Kg	☆	06/02/25 11:51	06/03/25 02:44	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	vs	5.6	2.8	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Carbon tetrachloride	ND	vs	5.6	0.54	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Chlorobenzene	ND	vs	5.6	0.74	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Dibromochloromethane	ND	vs	5.6	0.72	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Chloroform	ND	vs	5.6	0.35	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
cis-1,2-Dichloroethene	ND	vs	5.6	0.72	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Cyclohexane	ND	vs	5.6	0.79	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Bromodichloromethane	ND	vs	5.6	0.75	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Ethylbenzene	ND	vs	5.6	0.39	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
1,2-Dibromoethane	ND	vs	5.6	0.72	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Isopropylbenzene	ND	vs	5.6	0.85	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Methylcyclohexane	ND	vs	5.6	0.85	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Methylene Chloride	13	vs	5.6	2.6	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Tetrachloroethene	ND	vs	5.6	0.75	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Toluene	ND	vs	5.6	0.42	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
trans-1,2-Dichloroethene	7.3	vs	5.6	0.58	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
trans-1,3-Dichloropropene	ND	vs	5.6	2.5	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Trichloroethene	ND	vs	5.6	1.2	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Xylenes, Total	ND	vs	11	0.94	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
cis-1,3-Dichloropropene	ND	vs	5.6	0.81	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1
Styrene	ND	vs	5.6	0.28	ug/Kg	✱	06/02/25 11:51	06/03/25 02:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/02/25 11:51	06/03/25 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126	06/02/25 11:51	06/03/25 02:44	1
4-Bromofluorobenzene (Surr)	80		72 - 126	06/02/25 11:51	06/03/25 02:44	1
Toluene-d8 (Surr)	119		71 - 125	06/02/25 11:51	06/03/25 02:44	1
Dibromofluoromethane (Surr)	99		60 - 140	06/02/25 11:51	06/03/25 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
1,4-Dioxane	ND		110	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4,6-Trichlorophenol	ND		190	28	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4-Dimethylphenol	ND		190	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4-Dinitrophenol	ND		1800	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,4-Dinitrotoluene	ND		190	25	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2-Chlorophenol	ND		190	29	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2-Methylnaphthalene	380		190	29	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2-Methylphenol	ND		190	30	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2-Nitroaniline	ND		370	32	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
2-Nitrophenol	ND		190	21	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
3,3'-Dichlorobenzidine	ND		370	55	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
3-Nitroaniline	ND		370	26	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4,6-Dinitro-2-methylphenol	ND		370	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Chloro-3-methylphenol	ND		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Chloroaniline	ND		190	27	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Chlorophenyl phenyl ether	ND		190	39	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Methylphenol	ND		370	34	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Nitroaniline	ND		370	27	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
4-Nitrophenol	ND		370	51	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Acenaphthene	300		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Acenaphthylene	39 J		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Acetophenone	ND		190	33	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Anthracene	720		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Atrazine	ND		190	63	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzaldehyde	ND		190	140	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzo[a]anthracene	1700		190	26	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzo[a]pyrene	1500		190	32	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzo[b]fluoranthene	1900		190	25	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzo[g,h,i]perylene	1100		190	33	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Benzo[k]fluoranthene	920		190	42	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Caprolactam	ND		190	43	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Carbazole	350		190	37	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Chrysene	1900		190	45	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Dibenz(a,h)anthracene	320		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Dibenzofuran	250		190	33	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Diethyl phthalate	ND		190	34	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Dimethyl phthalate	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Fluoranthene	4400		190	34	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Fluorene	280		190	34	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Hexachlorobenzene	ND		190	36	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Hexachlorobutadiene	ND		190	28	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Hexachlorocyclopentadiene	ND		370	82	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Hexachloroethane	ND		190	34	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Indeno[1,2,3-cd]pyrene	970		190	28	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Isophorone	ND		190	38	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1
Naphthalene	250		190	31	ug/Kg	✱	06/03/25 06:37	06/04/25 19:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		190	31	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
N-Nitrosodiphenylamine	ND		190	31	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
Pentachlorophenol	ND		370	60	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
Phenanthrene	3400		190	35	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
Phenol	ND		190	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1
Pyrene	3500		190	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12000	T J	ug/Kg	☼	1.99	N/A	06/03/25 06:37	06/04/25 19:31	1
Octane	1100	T J N	ug/Kg	☼	2.87	111-65-9	06/03/25 06:37	06/04/25 19:31	1
Unknown	1300	T J	ug/Kg	☼	3.43	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	3000	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 19:31	1
Nonane	2600	T J N	ug/Kg	☼	4.37	111-84-2	06/03/25 06:37	06/04/25 19:31	1
Unknown	1200	T J	ug/Kg	☼	4.50	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1600	T J	ug/Kg	☼	4.68	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1200	T J	ug/Kg	☼	4.74	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	2700	T J	ug/Kg	☼	4.79	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	2100	T J	ug/Kg	☼	4.87	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1700	T J	ug/Kg	☼	5.04	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1500	T J	ug/Kg	☼	5.12	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1200	T J	ug/Kg	☼	5.16	N/A	06/03/25 06:37	06/04/25 19:31	1
Benzene, 1,2,3-trimethyl-	1200	T J N	ug/Kg	☼	5.22	526-73-8	06/03/25 06:37	06/04/25 19:31	1
Benzene, 1,2,4-trimethyl-	1200	T J N	ug/Kg	☼	5.49	95-63-6	06/03/25 06:37	06/04/25 19:31	1
Unknown	2200	T J	ug/Kg	☼	5.54	N/A	06/03/25 06:37	06/04/25 19:31	1
Unknown	1100	T J	ug/Kg	☼	5.76	N/A	06/03/25 06:37	06/04/25 19:31	1
Undecane	1100	T J N	ug/Kg	☼	6.48	1120-21-4	06/03/25 06:37	06/04/25 19:31	1
Octadecane, 2,6-dimethyl-	1200	T J N	ug/Kg	☼	10.40	75163-97-2	06/03/25 06:37	06/04/25 19:31	1
Unknown	1700	T J	ug/Kg	☼	11.49	N/A	06/03/25 06:37	06/04/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	62		22 - 120	06/03/25 06:37	06/04/25 19:31	1
p-Terphenyl-d14 (Surr)	58		28 - 124	06/03/25 06:37	06/04/25 19:31	1
Phenol-d5 (Surr)	53		23 - 120	06/03/25 06:37	06/04/25 19:31	1
2-Fluorophenol (Surr)	53		18 - 120	06/03/25 06:37	06/04/25 19:31	1
2,4,6-Tribromophenol (Surr)	59		10 - 140	06/03/25 06:37	06/04/25 19:31	1
2-Fluorobiphenyl (Surr)	65		29 - 120	06/03/25 06:37	06/04/25 19:31	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		19	3.6	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
4,4'-DDE	ND		19	3.9	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
4,4'-DDT	7.5	J B	19	4.4	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
beta-BHC	ND		19	3.4	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
cis-Chlordane	ND		19	9.4	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
alpha-BHC	ND		19	3.4	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
Aldrin	ND		19	4.6	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
delta-BHC	ND		19	3.5	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
Dieldrin	ND		19	4.5	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5
Endosulfan I	ND		19	3.6	ug/Kg	☼	06/03/25 13:20	06/04/25 16:38	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		19	3.4	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Endosulfan sulfate	ND		19	3.5	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Endrin	5.9	J	19	3.7	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Endrin aldehyde	ND		19	4.8	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Endrin ketone	ND		19	4.6	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
gamma-BHC (Lindane)	ND		19	3.4	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
trans-Chlordane	ND		19	6.0	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Heptachlor	ND		19	4.1	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Heptachlor epoxide	ND		19	4.8	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Methoxychlor	ND		19	3.8	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5
Toxaphene	ND		190	110	ug/Kg	☆	06/03/25 13:20	06/04/25 16:38	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		45 - 120	06/03/25 13:20	06/04/25 16:38	5
DCB Decachlorobiphenyl	150	S1+	45 - 120	06/03/25 13:20	06/04/25 16:38	5
Tetrachloro-m-xylene	67		30 - 124	06/03/25 13:20	06/04/25 16:38	5
Tetrachloro-m-xylene	73		30 - 124	06/03/25 13:20	06/04/25 16:38	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1221	ND		0.24	0.048	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1232	ND		0.24	0.048	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1242	ND		0.24	0.048	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1248	ND		0.24	0.048	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1254	ND		0.24	0.11	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1
PCB-1260	ND		0.24	0.11	mg/Kg	☆	06/03/25 06:25	06/04/25 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	06/03/25 06:25	06/04/25 12:17	1
Tetrachloro-m-xylene	101		60 - 154	06/03/25 06:25	06/04/25 12:17	1
DCB Decachlorobiphenyl	114		65 - 174	06/03/25 06:25	06/04/25 12:17	1
DCB Decachlorobiphenyl	97		65 - 174	06/03/25 06:25	06/04/25 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorooctanoic acid (PFOA)	ND		0.12	0.12	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	☆	06/04/25 07:50	06/05/25 10:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/04/25 07:50	06/05/25 10:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	94.5		8 - 130				06/04/25 07:50	06/05/25 10:17	1
13C5-PFPeA	110		35 - 130				06/04/25 07:50	06/05/25 10:17	1
13C5-PFHxA	101		40 - 130				06/04/25 07:50	06/05/25 10:17	1
13C4-PFHpA	110		40 - 130				06/04/25 07:50	06/05/25 10:17	1
13C8-PFOA	97.0		40 - 130				06/04/25 07:50	06/05/25 10:17	1
13C9-PFNA	93.5		40 - 130				06/04/25 07:50	06/05/25 10:17	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6-PFDA	97.6		40 - 130	06/04/25 07:50	06/05/25 10:17	1
13C7-PFUnA	87.7		40 - 130	06/04/25 07:50	06/05/25 10:17	1
13C2-PFTeDA	47.0		20 - 130	06/04/25 07:50	06/05/25 10:17	1
13C3-PFBS	89.0		40 - 135	06/04/25 07:50	06/05/25 10:17	1
13C3-PFHxS	94.5		40 - 130	06/04/25 07:50	06/05/25 10:17	1
13C8-PFOS	90.1		40 - 130	06/04/25 07:50	06/05/25 10:17	1
13C8-PFOSA	85.1		40 - 130	06/04/25 07:50	06/05/25 10:17	1
d3-NMeFOSAA	96.0		40 - 135	06/04/25 07:50	06/05/25 10:17	1
d5-NEtFOSAA	96.3		40 - 150	06/04/25 07:50	06/05/25 10:17	1
13C2 4:2 FTS	102		40 - 165	06/04/25 07:50	06/05/25 10:17	1
13C2 6:2 FTS	115		40 - 215	06/04/25 07:50	06/05/25 10:17	1
13C2 8:2 FTS	97.3		40 - 275	06/04/25 07:50	06/05/25 10:17	1
13C3-HFPO-DA	85.4		40 - 130	06/04/25 07:50	06/05/25 10:17	1
D7-NMeFOSE	49.7		20 - 130	06/04/25 07:50	06/05/25 10:17	1
D9-NEtFOSE	48.5		15 - 130	06/04/25 07:50	06/05/25 10:17	1
d5-NEtPFOSA	52.9		10 - 130	06/04/25 07:50	06/05/25 10:17	1
d3-NMePFOSA	56.2		10 - 130	06/04/25 07:50	06/05/25 10:17	1
13C2 PFD0A	78.8		40 - 130	06/04/25 07:50	06/05/25 10:17	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6660		11.5	9.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Antimony	39.4		17.2	0.61	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Arsenic	93.8		2.3	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Barium	121		0.57	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Beryllium	0.85		0.23	0.046	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Cadmium	1.0		0.23	0.080	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Calcium	2370		57.4	31.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Chromium	19.5		0.57	0.41	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Cobalt	23.2		0.57	0.11	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Copper	1050		5.7	3.3	mg/Kg	☆	06/02/25 15:39	06/06/25 11:41	5
Iron	107000		57.4	48.7	mg/Kg	☆	06/02/25 15:39	06/06/25 11:41	5
Lead	658		1.1	0.53	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Magnesium	1020		23.0	9.7	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Manganese	475		1.1	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Nickel	35.1	^5-	5.7	0.29	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Potassium	860		34.5	27.8	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Selenium	1.9	J	4.6	0.92	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Silver	0.33	J ^5-	0.69	0.23	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Sodium	119	J	161	70.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Thallium	ND	++	6.9	0.87	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Vanadium	28.8		0.57	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 15:13	1
Zinc	258	^5-	11.5	5.9	mg/Kg	☆	06/02/25 15:39	06/06/25 11:41	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.023	0.0053	mg/Kg	☆	06/02/25 13:35	06/02/25 16:08	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Date Collected: 05/30/25 02:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-17

Matrix: Solid

Percent Solids: 88.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.96	0.46	mg/Kg	☆	06/05/25 12:02	06/05/25 16:17	1

Client Sample ID: RI-BH-9 Fill

Date Collected: 05/30/25 03:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-20

Matrix: Solid

Percent Solids: 90.2

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	5.5	0.40	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5	0.90	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5	1.3	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,1,2-Trichloroethane	ND	vs	5.5	0.72	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,1-Dichloroethane	ND	vs	5.5	0.67	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,1-Dichloroethene	ND	vs	5.5	0.68	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2,4-Trichlorobenzene	ND	vs	5.5	0.34	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5	2.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2-Dichlorobenzene	ND	vs	5.5	0.43	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2-Dichloroethane	ND	vs	5.5	0.28	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2-Dichloropropane	ND	vs	5.5	2.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,3-Dichlorobenzene	ND	vs	5.5	0.28	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,4-Dichlorobenzene	ND	vs	5.5	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
2-Butanone (MEK)	5.6	J vs	28	2.0	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Acetone	ND	vs	28	4.7	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Benzene	0.55	J vs	5.5	0.27	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Bromoform	ND	vs	5.5	2.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Bromomethane	ND	vs	5.5	0.50	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Carbon disulfide	ND	vs	5.5	2.8	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Carbon tetrachloride	ND	vs	5.5	0.54	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Chlorobenzene	ND	vs	5.5	0.73	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Dibromochloromethane	ND	vs	5.5	0.71	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Chloroethane	ND	vs	5.5	1.2	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Chloroform	ND	vs	5.5	0.34	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Chloromethane	ND	vs	5.5	0.33	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
cis-1,2-Dichloroethene	ND	vs	5.5	0.71	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Cyclohexane	ND	vs	5.5	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Bromodichloromethane	ND	vs	5.5	0.74	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Dichlorodifluoromethane	ND	vs	5.5	0.46	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Ethylbenzene	ND	vs	5.5	0.38	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
1,2-Dibromoethane	ND	vs	5.5	0.71	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Isopropylbenzene	ND	vs	5.5	0.83	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Methyl acetate	ND	vs	28	3.3	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Methyl tert-butyl ether	ND	vs	5.5	0.54	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Methylcyclohexane	ND	vs	5.5	0.84	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Methylene Chloride	5.4	J vs	5.5	2.5	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Tetrachloroethene	ND	vs	5.5	0.74	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
Toluene	0.55	J vs	5.5	0.42	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
trans-1,2-Dichloroethene	ND	vs	5.5	0.57	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1
trans-1,3-Dichloropropene	ND	vs	5.5	2.4	ug/Kg	☆	06/03/25 18:54	06/03/25 23:25	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND	vs	5.5	1.2	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1
Trichlorofluoromethane	ND	vs	5.5	0.52	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1
Vinyl chloride	ND	vs	5.5	0.67	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1
Xylenes, Total	ND	vs	11	0.93	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1
cis-1,3-Dichloropropene	ND	vs	5.5	0.80	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1
Styrene	ND	vs	5.5	0.28	ug/Kg	☼	06/03/25 18:54	06/03/25 23:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	8.0	T J N	ug/Kg	☼	1.81	78-78-4	06/03/25 18:54	06/03/25 23:25	1
Pentane	11	T J N	ug/Kg	☼	2.05	109-66-0	06/03/25 18:54	06/03/25 23:25	1
Cyclopropane, 1-ethyl-2-methyl-, cis-	6.7	T J N	ug/Kg	☼	2.85	19781-68-1	06/03/25 18:54	06/03/25 23:25	1
Pentane, 2-methyl-	6.4	T J N	ug/Kg	☼	2.94	107-83-5	06/03/25 18:54	06/03/25 23:25	1
Unknown	7.8	T J	ug/Kg	☼	3.18	N/A	06/03/25 18:54	06/03/25 23:25	1
Hexane	7.9	T J N	ug/Kg	☼	3.44	110-54-3	06/03/25 18:54	06/03/25 23:25	1
Unknown	8.8	T J	ug/Kg	☼	4.76	N/A	06/03/25 18:54	06/03/25 23:25	1
Heptane, 3-methyl-	6.8	T J N	ug/Kg	☼	6.45	589-81-1	06/03/25 18:54	06/03/25 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	06/03/25 18:54	06/03/25 23:25	1
4-Bromofluorobenzene (Surr)	95		72 - 126	06/03/25 18:54	06/03/25 23:25	1
Toluene-d8 (Surr)	105		71 - 125	06/03/25 18:54	06/03/25 23:25	1
Dibromofluoromethane (Surr)	103		60 - 140	06/03/25 18:54	06/03/25 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
1,4-Dioxane	ND		100	39	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
bis (2-chloroisopropyl) ether	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4,5-Trichlorophenol	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4-Dimethylphenol	ND		180	37	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4-Dinitrophenol	ND		1700	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2,6-Dinitrotoluene	ND		180	25	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Chloronaphthalene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Methylnaphthalene	89	J	180	28	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Methylphenol	ND		180	29	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Nitroaniline	ND		350	30	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
2-Nitrophenol	ND		180	20	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
3,3'-Dichlorobenzidine	ND		350	52	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
3-Nitroaniline	ND		350	25	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4,6-Dinitro-2-methylphenol	ND		350	39	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Bromophenyl phenyl ether	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Chloro-3-methylphenol	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Chloroaniline	ND		180	25	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Chlorophenyl phenyl ether	ND		180	37	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Methylphenol	ND		350	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
4-Nitroaniline	ND		350	26	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		350	48	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Acenaphthene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Acenaphthylene	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Acetophenone	ND		180	31	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Anthracene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Atrazine	ND		180	60	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzaldehyde	ND		180	130	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzo[a]anthracene	ND		180	24	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzo[a]pyrene	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzo[b]fluoranthene	ND		180	24	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzo[g,h,i]perylene	ND		180	31	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Bis(2-chloroethoxy)methane	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Bis(2-chloroethyl)ether	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Bis(2-ethylhexyl) phthalate	ND		180	38	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Caprolactam	ND		180	41	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Carbazole	ND		180	35	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Chrysene	ND		180	43	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Dibenzofuran	ND		180	31	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Dimethyl phthalate	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Fluoranthene	39	J	180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Fluorene	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Hexachlorobenzene	ND		180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Hexachlorobutadiene	ND		180	26	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Hexachlorocyclopentadiene	ND		350	77	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Hexachloroethane	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Indeno[1,2,3-cd]pyrene	ND		180	26	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Isophorone	ND		180	36	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Naphthalene	ND		180	29	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Nitrobenzene	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Pentachlorophenol	ND		350	56	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Phenanthrene	ND		180	33	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Phenol	ND		180	32	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1
Pyrene	34	J	180	34	ug/Kg	☼	06/03/25 06:37	06/04/25 19:57	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	40000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 19:57	1
Unknown	310	T J	ug/Kg	☼	2.86	N/A	06/03/25 06:37	06/04/25 19:57	1
Unknown	2700	T J	ug/Kg	☼	3.47	N/A	06/03/25 06:37	06/04/25 19:57	1
Unknown	340	T J	ug/Kg	☼	5.04	N/A	06/03/25 06:37	06/04/25 19:57	1
Unknown	590	T J	ug/Kg	☼	9.55	N/A	06/03/25 06:37	06/04/25 19:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		22 - 120	06/03/25 06:37	06/04/25 19:57	1
p-Terphenyl-d14 (Surr)	68		28 - 124	06/03/25 06:37	06/04/25 19:57	1
Phenol-d5 (Surr)	68		23 - 120	06/03/25 06:37	06/04/25 19:57	1
2-Fluorophenol (Surr)	70		18 - 120	06/03/25 06:37	06/04/25 19:57	1
2,4,6-Tribromophenol (Surr)	79		10 - 140	06/03/25 06:37	06/04/25 19:57	1
2-Fluorobiphenyl (Surr)	74		29 - 120	06/03/25 06:37	06/04/25 19:57	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.7	0.71	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
4,4'-DDE	ND		3.7	0.77	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
4,4'-DDT	1.6	J B	3.7	0.86	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
beta-BHC	ND		3.7	0.66	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
cis-Chlordane	ND		3.7	1.8	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
alpha-BHC	ND		3.7	0.66	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Aldrin	ND		3.7	0.90	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
delta-BHC	ND		3.7	0.68	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Dieldrin	ND		3.7	0.88	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endosulfan I	ND		3.7	0.70	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endosulfan II	ND		3.7	0.66	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endosulfan sulfate	ND		3.7	0.68	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endrin	1.2	J	3.7	0.72	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endrin aldehyde	ND		3.7	0.93	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Endrin ketone	ND		3.7	0.90	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
gamma-BHC (Lindane)	ND		3.7	0.67	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
trans-Chlordane	ND		3.7	1.2	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Heptachlor	ND		3.7	0.79	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Heptachlor epoxide	ND		3.7	0.94	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Methoxychlor	ND		3.7	0.75	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1
Toxaphene	ND		37	21	ug/Kg	✱	06/03/25 13:20	06/04/25 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		45 - 120	06/03/25 13:20	06/04/25 16:58	1
DCB Decachlorobiphenyl	81		45 - 120	06/03/25 13:20	06/04/25 16:58	1
Tetrachloro-m-xylene	56		30 - 124	06/03/25 13:20	06/04/25 16:58	1
Tetrachloro-m-xylene	59		30 - 124	06/03/25 13:20	06/04/25 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1221	ND		0.21	0.042	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1232	ND		0.21	0.042	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1242	ND		0.21	0.042	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1248	ND		0.21	0.042	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1254	ND		0.21	0.099	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1
PCB-1260	ND		0.21	0.099	mg/Kg	✱	06/03/25 06:25	06/03/25 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	06/03/25 06:25	06/03/25 19:32	1
Tetrachloro-m-xylene	118		60 - 154	06/03/25 06:25	06/03/25 19:32	1
DCB Decachlorobiphenyl	130		65 - 174	06/03/25 06:25	06/03/25 19:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		65 - 174	06/03/25 06:25	06/03/25 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorooctanesulfonic acid (PFOS)	0.16	J	0.20	0.11	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.099	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✧	06/04/25 07:50	06/05/25 10:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.089	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.49	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.39	ng/g	✱	06/04/25 07:50	06/05/25 10:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	73.6		8 - 130	06/04/25 07:50	06/05/25 10:31	1
13C5-PFPeA	80.7		35 - 130	06/04/25 07:50	06/05/25 10:31	1
13C5-PFHxA	77.8		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C4-PFHpA	79.8		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C8-PFOA	72.1		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C9-PFNA	71.6		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C6-PFDA	66.7		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C7-PFUnA	57.8		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C2-PFTeDA	44.4		20 - 130	06/04/25 07:50	06/05/25 10:31	1
13C3-PFBS	67.5		40 - 135	06/04/25 07:50	06/05/25 10:31	1
13C3-PFHxS	71.1		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C8-PFOS	62.2		40 - 130	06/04/25 07:50	06/05/25 10:31	1
13C8-PFOSA	63.3		40 - 130	06/04/25 07:50	06/05/25 10:31	1
d3-NMeFOSAA	70.7		40 - 135	06/04/25 07:50	06/05/25 10:31	1
d5-NEtFOSAA	66.5		40 - 150	06/04/25 07:50	06/05/25 10:31	1
13C2 4:2 FTS	78.1		40 - 165	06/04/25 07:50	06/05/25 10:31	1
13C2 6:2 FTS	84.2		40 - 215	06/04/25 07:50	06/05/25 10:31	1
13C2 8:2 FTS	71.6		40 - 275	06/04/25 07:50	06/05/25 10:31	1
13C3-HFPO-DA	67.3		40 - 130	06/04/25 07:50	06/05/25 10:31	1
D7-NMeFOSE	44.2		20 - 130	06/04/25 07:50	06/05/25 10:31	1
D9-NEtFOSE	42.6		15 - 130	06/04/25 07:50	06/05/25 10:31	1
d5-NEtPFOSA	43.9		10 - 130	06/04/25 07:50	06/05/25 10:31	1
d3-NMePFOSA	47.7		10 - 130	06/04/25 07:50	06/05/25 10:31	1
13C2 PFDoA	47.0		40 - 130	06/04/25 07:50	06/05/25 10:31	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17000		10.6	9.1	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Antimony	3.3	J	15.9	0.56	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Arsenic	16.5		2.1	0.93	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Barium	97.5		0.53	0.15	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Beryllium	0.69		0.21	0.042	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Cadmium	0.28		0.21	0.074	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1
Calcium	57700		52.9	28.6	mg/Kg	✱	06/02/25 15:39	06/05/25 15:15	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.5		0.53	0.38	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Cobalt	5.4		0.53	0.11	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Copper	23.8		1.1	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Iron	120000		52.9	44.9	mg/Kg	☆	06/02/25 15:39	06/06/25 11:43	5
Lead	31.6		1.1	0.49	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Magnesium	1110		21.2	9.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Manganese	4130		1.1	0.30	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Nickel	13.8	^5-	5.3	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Potassium	1880		31.7	25.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Selenium	1.8	J	4.2	0.85	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Silver	0.70	^5-	0.63	0.21	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Sodium	435		148	64.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Thallium	ND	*+	6.3	0.80	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Vanadium	55.5		0.53	0.14	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1
Zinc	33.0	^5-	2.1	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.022	0.0050	mg/Kg	☆	06/02/25 13:35	06/02/25 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.93	0.45	mg/Kg	☆	06/05/25 12:02	06/05/25 16:17	1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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	6.3	0.46	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,1,2,2-Tetrachloroethane	ND	vs	6.3	1.0	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.3	1.4	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,1,2-Trichloroethane	ND	vs	6.3	0.83	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,1-Dichloroethane	ND	vs	6.3	0.77	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,1-Dichloroethene	ND	vs	6.3	0.78	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,2,4-Trichlorobenzene	ND	vs	6.3	0.39	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.3	3.2	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,2-Dichlorobenzene	ND	vs	6.3	0.50	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,2-Dichloroethane	ND	vs	6.3	0.32	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,2-Dichloropropane	ND	vs	6.3	3.2	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,3-Dichlorobenzene	ND	vs	6.3	0.33	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
1,4-Dichlorobenzene	ND	vs	6.3	0.89	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
2-Butanone (MEK)	14	J vs	32	2.3	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
Acetone	68	vs	32	5.3	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
Benzene	ND	vs	6.3	0.31	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
Bromoform	ND	vs	6.3	3.2	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1
Bromomethane	ND	vs	6.3	0.57	ug/Kg	☆	06/03/25 18:54	06/03/25 23:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	vs	6.3	3.2	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Carbon tetrachloride	ND	vs	6.3	0.61	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Chlorobenzene	ND	vs	6.3	0.84	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Dibromochloromethane	ND	vs	6.3	0.81	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Chloroethane	ND	vs	6.3	1.4	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Chloroform	0.47	J vs	6.3	0.39	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Chloromethane	ND	vs	6.3	0.38	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
cis-1,2-Dichloroethene	ND	vs	6.3	0.81	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Cyclohexane	ND	vs	6.3	0.89	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Bromodichloromethane	ND	vs	6.3	0.85	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Dichlorodifluoromethane	ND	vs	6.3	0.52	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Ethylbenzene	ND	vs	6.3	0.44	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
1,2-Dibromoethane	ND	vs	6.3	0.82	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Isopropylbenzene	ND	vs	6.3	0.96	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Methyl acetate	ND	vs	32	3.8	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Methyl tert-butyl ether	ND	vs	6.3	0.62	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Methylcyclohexane	ND	vs	6.3	0.96	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Methylene Chloride	11	vs	6.3	2.9	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Tetrachloroethene	ND	vs	6.3	0.85	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Toluene	ND	vs	6.3	0.48	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
trans-1,2-Dichloroethene	2.6	J vs	6.3	0.66	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
trans-1,3-Dichloropropene	ND	vs	6.3	2.8	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Trichloroethene	ND	vs	6.3	1.4	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Trichlorofluoromethane	ND	vs	6.3	0.60	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Vinyl chloride	ND	vs	6.3	0.77	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
cis-1,3-Dichloropropene	ND	vs	6.3	0.91	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1
Styrene	ND	vs	6.3	0.32	ug/Kg	✱	06/03/25 18:54	06/03/25 23:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/03/25 18:54	06/03/25 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	06/03/25 18:54	06/03/25 23:52	1
4-Bromofluorobenzene (Surr)	92		72 - 126	06/03/25 18:54	06/03/25 23:52	1
Toluene-d8 (Surr)	112		71 - 125	06/03/25 18:54	06/03/25 23:52	1
Dibromofluoromethane (Surr)	102		60 - 140	06/03/25 18:54	06/03/25 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	38	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
1,4-Dioxane	ND		120	44	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4,6-Trichlorophenol	ND		200	31	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		200	38	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2-Chlorophenol	ND		200	32	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2-Methylnaphthalene	ND		200	32	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2-Methylphenol	ND		200	33	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2-Nitroaniline	ND		390	34	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
2-Nitrophenol	ND		200	23	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
3-Nitroaniline	ND		390	29	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Chloroaniline	ND		200	29	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Methylphenol	ND		390	36	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Nitroaniline	ND		390	30	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
4-Nitrophenol	ND		390	55	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Acenaphthene	ND		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Acenaphthylene	ND		200	39	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Acetophenone	ND		200	36	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Anthracene	ND		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Atrazine	ND		200	68	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzaldehyde	ND		200	150	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzo[a]anthracene	ND		200	28	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzo[a]pyrene	ND		200	34	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzo[b]fluoranthene	32 J		200	27	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Bis(2-chloroethoxy)methane	ND		200	39	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Caprolactam	ND		200	47	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Carbazole	ND		200	40	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Chrysene	ND		200	49	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Dibenzofuran	ND		200	36	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Diethyl phthalate	ND		200	36	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Dimethyl phthalate	ND		200	39	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Fluoranthene	65 J		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Fluorene	ND		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Hexachlorobenzene	ND		200	39	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Hexachlorobutadiene	ND		200	30	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Hexachlorocyclopentadiene	ND		390	88	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Hexachloroethane	ND		200	37	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Isophorone	ND		200	41	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1
Naphthalene	ND		200	34	ug/Kg	✱	06/03/25 06:37	06/04/25 20:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
Pentachlorophenol	ND		390	64	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
Phenanthrene	ND		200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
Phenol	ND		200	37	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1
Pyrene	62	J	200	38	ug/Kg	☼	06/03/25 06:37	06/04/25 20:22	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	42000	T J	ug/Kg	☼	2.00	N/A	06/03/25 06:37	06/04/25 20:22	1
Unknown	1900	T J	ug/Kg	☼	3.46	N/A	06/03/25 06:37	06/04/25 20:22	1
Unknown	470	T J	ug/Kg	☼	9.55	N/A	06/03/25 06:37	06/04/25 20:22	1
Unknown	340	T J	ug/Kg	☼	13.19	N/A	06/03/25 06:37	06/04/25 20:22	1
Unknown	330	T J	ug/Kg	☼	13.47	N/A	06/03/25 06:37	06/04/25 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	60		22 - 120	06/03/25 06:37	06/04/25 20:22	1
p-Terphenyl-d14 (Surr)	69		28 - 124	06/03/25 06:37	06/04/25 20:22	1
Phenol-d5 (Surr)	63		23 - 120	06/03/25 06:37	06/04/25 20:22	1
2-Fluorophenol (Surr)	59		18 - 120	06/03/25 06:37	06/04/25 20:22	1
2,4,6-Tribromophenol (Surr)	66		10 - 140	06/03/25 06:37	06/04/25 20:22	1
2-Fluorobiphenyl (Surr)	65		29 - 120	06/03/25 06:37	06/04/25 20:22	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		42	8.1	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
4,4'-DDE	ND		42	8.8	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
4,4'-DDT	ND		42	9.8	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
beta-BHC	ND		42	7.5	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
cis-Chlordane	ND		42	21	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
alpha-BHC	ND		42	7.5	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Aldrin	ND		42	10	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
delta-BHC	ND		42	7.8	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Dieldrin	ND		42	10	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endosulfan I	ND		42	8.0	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endosulfan II	ND		42	7.5	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endosulfan sulfate	ND		42	7.8	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endrin	ND		42	8.3	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endrin aldehyde	ND		42	11	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Endrin ketone	ND		42	10	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
gamma-BHC (Lindane)	ND		42	7.7	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
trans-Chlordane	ND		42	13	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Heptachlor	ND		42	9.0	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Heptachlor epoxide	ND		42	11	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Methoxychlor	ND		42	8.5	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10
Toxaphene	ND		420	240	ug/Kg	☼	06/03/25 13:20	06/05/25 09:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	157	S1+	45 - 120	06/03/25 13:20	06/05/25 09:54	10
DCB Decachlorobiphenyl	155	S1+	45 - 120	06/03/25 13:20	06/05/25 09:54	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		30 - 124	06/03/25 13:20	06/05/25 09:54	10
Tetrachloro-m-xylene	105		30 - 124	06/03/25 13:20	06/05/25 09:54	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1221	ND		0.26	0.050	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1232	ND		0.26	0.050	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1242	ND		0.26	0.050	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1248	ND		0.26	0.050	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1254	ND		0.26	0.12	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	06/03/25 06:25	06/03/25 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		60 - 154	06/03/25 06:25	06/03/25 19:50	1
Tetrachloro-m-xylene	80		60 - 154	06/03/25 06:25	06/03/25 19:50	1
DCB Decachlorobiphenyl	90		65 - 174	06/03/25 06:25	06/03/25 19:50	1
DCB Decachlorobiphenyl	81		65 - 174	06/03/25 06:25	06/03/25 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:16	06/05/25 12:07	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.20	0.089	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☼	06/04/25 07:16	06/05/25 12:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	92.9		8 - 130	06/04/25 07:16	06/05/25 12:07	1
13C5-PFPeA	102		35 - 130	06/04/25 07:16	06/05/25 12:07	1
13C5-PFHxA	100		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C4-PFHpA	89.5		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C8-PFOA	86.3		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C9-PFNA	85.8		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C6-PFDA	73.0		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C7-PFUnA	69.2		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C2-PFTeDA	47.0		20 - 130	06/04/25 07:16	06/05/25 12:07	1
13C3-PFBS	89.6		40 - 135	06/04/25 07:16	06/05/25 12:07	1
13C3-PFHxS	76.2		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C8-PFOS	67.8		40 - 130	06/04/25 07:16	06/05/25 12:07	1
13C8-PFOSA	78.7		40 - 130	06/04/25 07:16	06/05/25 12:07	1
d3-NMeFOSAA	64.8		40 - 135	06/04/25 07:16	06/05/25 12:07	1
d5-NEtFOSAA	62.4		40 - 150	06/04/25 07:16	06/05/25 12:07	1
13C2 4:2 FTS	112		40 - 165	06/04/25 07:16	06/05/25 12:07	1
13C2 6:2 FTS	99.2		40 - 215	06/04/25 07:16	06/05/25 12:07	1
13C2 8:2 FTS	71.7		40 - 275	06/04/25 07:16	06/05/25 12:07	1
13C3-HFPO-DA	95.9		40 - 130	06/04/25 07:16	06/05/25 12:07	1
D7-NMeFOSE	39.8		20 - 130	06/04/25 07:16	06/05/25 12:07	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Native

Lab Sample ID: 480-229829-21

Date Collected: 05/30/25 08:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.8

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
D9-NEtFOSE	31.9		15 - 130	06/04/25 07:16	06/05/25 12:07	1
d5-NEtPFOSA	59.4		10 - 130	06/04/25 07:16	06/05/25 12:07	1
d3-NMePFOSA	66.2		10 - 130	06/04/25 07:16	06/05/25 12:07	1
13C2 PFDaA	64.9		40 - 130	06/04/25 07:16	06/05/25 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☼	06/06/25 08:18	06/09/25 13:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C7-PFUnA	66.7		40 - 130				06/06/25 08:18	06/09/25 13:16	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9660		13.1	11.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Antimony	2.1	J	19.6	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Arsenic	17.7		2.6	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Barium	270		0.65	0.18	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Beryllium	0.80		0.26	0.052	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Cadmium	0.35		0.26	0.092	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Calcium	15300		65.4	35.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Chromium	16.9		0.65	0.47	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Cobalt	7.8		0.65	0.13	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Copper	95.9		1.3	0.75	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Iron	24900		13.1	11.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Lead	711		1.3	0.60	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Magnesium	2240		26.2	11.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Manganese	307		1.3	0.37	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Nickel	16.4	^5-	6.5	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Potassium	2040		39.2	31.7	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Selenium	1.8	J	5.2	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Silver	0.32	J ^5-	0.78	0.26	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Sodium	321		183	80.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Thallium	ND	*+	7.8	0.99	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Vanadium	19.1		0.65	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1
Zinc	218	^5-	2.6	1.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.024	0.0056	mg/Kg	☆	06/02/25 13:35	06/02/25 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.56	mg/Kg	☆	06/05/25 12:02	06/05/25 16:18	1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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	5.9	0.43	ug/Kg	☆	06/03/25 18:54	06/04/25 00:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*3 vs	5.9	0.96	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.3	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,1,2-Trichloroethane	ND	vs	5.9	0.77	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,1-Dichloroethane	ND	vs	5.9	0.72	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,1-Dichloroethene	ND	vs	5.9	0.72	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2,4-Trichlorobenzene	ND	*3 vs	5.9	0.36	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	5.9	2.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2-Dichlorobenzene	ND	*3 vs	5.9	0.46	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2-Dichloropropane	ND	vs	5.9	2.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,3-Dichlorobenzene	ND	*3 vs	5.9	0.30	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,4-Dichlorobenzene	ND	*3 vs	5.9	0.83	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
2-Butanone (MEK)	ND	vs	29	2.2	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Acetone	ND	vs	29	5.0	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Benzene	ND	vs	5.9	0.29	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Bromoform	ND	vs	5.9	2.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Carbon disulfide	ND	vs	5.9	2.9	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Carbon tetrachloride	ND	vs	5.9	0.57	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Chlorobenzene	ND	vs	5.9	0.78	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Dibromochloromethane	ND	vs	5.9	0.75	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Chloroform	ND	vs	5.9	0.36	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.75	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Cyclohexane	ND	vs	5.9	0.83	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Bromodichloromethane	ND	vs	5.9	0.79	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Ethylbenzene	ND	vs	5.9	0.41	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
1,2-Dibromoethane	ND	vs	5.9	0.76	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Isopropylbenzene	ND	*3 vs	5.9	0.89	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Methyl acetate	ND	vs	29	3.6	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Methylcyclohexane	ND	vs	5.9	0.90	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Methylene Chloride	23	vs	5.9	2.7	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Tetrachloroethene	ND	vs	5.9	0.79	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Toluene	ND	vs	5.9	0.45	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
trans-1,2-Dichloroethene	16	vs	5.9	0.61	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
trans-1,3-Dichloropropene	ND	vs	5.9	2.6	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Vinyl chloride	ND	vs	5.9	0.72	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Xylenes, Total	ND	vs	12	0.99	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.85	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1
Styrene	ND	vs	5.9	0.29	ug/Kg	☼	06/03/25 18:54	06/04/25 00:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/03/25 18:54	06/04/25 00:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/03/25 18:54	06/04/25 00:19	1
4-Bromofluorobenzene (Surr)	88		72 - 126	06/03/25 18:54	06/04/25 00:19	1
Toluene-d8 (Surr)	112		71 - 125	06/03/25 18:54	06/04/25 00:19	1
Dibromofluoromethane (Surr)	105		60 - 140	06/03/25 18:54	06/04/25 00:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
1,4-Dioxane	ND		110	42	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Chlorophenol	ND		190	30	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Methylnaphthalene	38	J	190	30	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Methylphenol	ND		190	31	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Nitroaniline	ND		370	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
2-Nitrophenol	ND		190	22	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
3-Nitroaniline	ND		370	27	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Chloroaniline	ND		190	27	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Methylphenol	ND		370	34	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Nitroaniline	ND		370	28	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
4-Nitrophenol	ND		370	52	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Acenaphthene	ND		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Acenaphthylene	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Acetophenone	ND		190	34	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Anthracene	48	J	190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Atrazine	ND		190	65	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzaldehyde	ND		190	150	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzo[a]anthracene	270		190	26	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzo[a]pyrene	180	J	190	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzo[b]fluoranthene	180	J	190	26	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzo[g,h,i]perylene	110	J	190	33	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Benzo[k]fluoranthene	150	J	190	43	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Caprolactam	ND		190	44	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Carbazole	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	210		190	46	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Dibenzofuran	ND		190	34	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Diethyl phthalate	ND		190	34	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Dimethyl phthalate	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Fluoranthene	280		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Fluorene	ND		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Hexachlorobenzene	ND		190	37	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Hexachlorocyclopentadiene	ND		370	83	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Hexachloroethane	ND		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Indeno[1,2,3-cd]pyrene	120 J		190	28	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Isophorone	ND		190	39	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Naphthalene	ND		190	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Nitrobenzene	ND		190	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Pentachlorophenol	ND		370	61	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Phenanthrene	ND		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Phenol	ND		190	35	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1
Pyrene	240		190	36	ug/Kg	☆	06/03/25 06:37	06/04/25 20:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	11000	T J	ug/Kg	☆	1.99	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	1900	T J	ug/Kg	☆	3.48	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	380	T J	ug/Kg	☆	10.40	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	370	T J	ug/Kg	☆	10.59	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	1200	T J	ug/Kg	☆	11.96	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	420	T J	ug/Kg	☆	12.29	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	2900	T J	ug/Kg	☆	12.72	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	330	T J	ug/Kg	☆	12.93	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	1200	T J	ug/Kg	☆	13.08	N/A	06/03/25 06:37	06/04/25 20:48	1
2-Methyl-Z-4-tetradecene	350	T J N	ug/Kg	☆	13.18	1000130-78-3	06/03/25 06:37	06/04/25 20:48	1
Unknown	370	T J	ug/Kg	☆	13.47	N/A	06/03/25 06:37	06/04/25 20:48	1
1-Heptacosanol	520	T J N	ug/Kg	☆	13.72	2004-39-9	06/03/25 06:37	06/04/25 20:48	1
Unknown	710	T J	ug/Kg	☆	14.08	N/A	06/03/25 06:37	06/04/25 20:48	1
E-7-Octadecene	830	T J N	ug/Kg	☆	14.23	1000130-92-0	06/03/25 06:37	06/04/25 20:48	1
Unknown	320	T J	ug/Kg	☆	14.59	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	430	T J	ug/Kg	☆	14.73	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	740	T J	ug/Kg	☆	15.10	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	340	T J	ug/Kg	☆	15.18	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	800	T J	ug/Kg	☆	15.67	N/A	06/03/25 06:37	06/04/25 20:48	1
Unknown	550	T J	ug/Kg	☆	16.27	N/A	06/03/25 06:37	06/04/25 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		22 - 120	06/03/25 06:37	06/04/25 20:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	71		28 - 124	06/03/25 06:37	06/04/25 20:48	1
Phenol-d5 (Surr)	61		23 - 120	06/03/25 06:37	06/04/25 20:48	1
2-Fluorophenol (Surr)	60		18 - 120	06/03/25 06:37	06/04/25 20:48	1
2,4,6-Tribromophenol (Surr)	69		10 - 140	06/03/25 06:37	06/04/25 20:48	1
2-Fluorobiphenyl (Surr)	73		29 - 120	06/03/25 06:37	06/04/25 20:48	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.5	J	3.9	0.76	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
4,4'-DDE	ND		3.9	0.83	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
4,4'-DDT	1.7	J B	3.9	0.92	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
beta-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
cis-Chlordane	ND		3.9	2.0	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
alpha-BHC	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Aldrin	ND		3.9	0.97	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
delta-BHC	0.99	J	3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Dieldrin	ND		3.9	0.94	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endosulfan II	ND		3.9	0.71	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endrin	1.6	J	3.9	0.78	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Endrin ketone	ND		3.9	0.97	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Heptachlor	ND		3.9	0.85	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Methoxychlor	ND		3.9	0.80	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:20	06/04/25 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		45 - 120	06/03/25 13:20	06/04/25 17:37	1
DCB Decachlorobiphenyl	85		45 - 120	06/03/25 13:20	06/04/25 17:37	1
Tetrachloro-m-xylene	68		30 - 124	06/03/25 13:20	06/04/25 17:37	1
Tetrachloro-m-xylene	74		30 - 124	06/03/25 13:20	06/04/25 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1221	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1232	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1242	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1248	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1254	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1
PCB-1260	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	06/03/25 06:25	06/03/25 20:09	1
Tetrachloro-m-xylene	101		60 - 154	06/03/25 06:25	06/03/25 20:09	1
DCB Decachlorobiphenyl	109		65 - 174	06/03/25 06:25	06/03/25 20:09	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		65 - 174	06/03/25 06:25	06/03/25 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	✧	06/04/25 07:16	06/05/25 12:21	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.19	0.087	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/04/25 07:16	06/05/25 12:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	89.9		8 - 130	06/04/25 07:16	06/05/25 12:21	1
13C5-PFPeA	101		35 - 130	06/04/25 07:16	06/05/25 12:21	1
13C5-PFHxA	97.0		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C4-PFHpA	92.2		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C8-PFOA	93.9		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C9-PFNA	94.7		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C6-PFDA	79.6		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C7-PFUnA	78.3		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C2-PFTeDA	61.4		20 - 130	06/04/25 07:16	06/05/25 12:21	1
13C3-PFBS	95.8		40 - 135	06/04/25 07:16	06/05/25 12:21	1
13C3-PFHxS	87.1		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C8-PFOS	73.3		40 - 130	06/04/25 07:16	06/05/25 12:21	1
13C8-PFOSA	83.5		40 - 130	06/04/25 07:16	06/05/25 12:21	1
d3-NMeFOSAA	86.6		40 - 135	06/04/25 07:16	06/05/25 12:21	1
d5-NEtFOSAA	79.5		40 - 150	06/04/25 07:16	06/05/25 12:21	1
13C2 6:2 FTS	141		40 - 215	06/04/25 07:16	06/05/25 12:21	1
13C2 8:2 FTS	128		40 - 275	06/04/25 07:16	06/05/25 12:21	1
13C3-HFPO-DA	90.9		40 - 130	06/04/25 07:16	06/05/25 12:21	1
D7-NMeFOSE	35.2		20 - 130	06/04/25 07:16	06/05/25 12:21	1
D9-NEtFOSE	23.0		15 - 130	06/04/25 07:16	06/05/25 12:21	1
d5-NEtPFOSA	61.9		10 - 130	06/04/25 07:16	06/05/25 12:21	1
d3-NMePFOSA	65.5		10 - 130	06/04/25 07:16	06/05/25 12:21	1
13C2 PFDaA	74.1		40 - 130	06/04/25 07:16	06/05/25 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	☼	06/06/25 08:18	06/09/25 13:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	149		40 - 165				06/06/25 08:18	06/09/25 13:29	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12.2	10.5	mg/Kg	☼	06/02/25 15:39	06/05/25 15:19	1
Antimony	1.0	J	18.3	0.65	mg/Kg	☼	06/02/25 15:39	06/05/25 15:19	1
Arsenic	10.3		2.4	1.1	mg/Kg	☼	06/02/25 15:39	06/05/25 15:19	1
Barium	74.3		0.61	0.17	mg/Kg	☼	06/02/25 15:39	06/05/25 15:19	1
Beryllium	0.56		0.24	0.049	mg/Kg	☼	06/02/25 15:39	06/05/25 15:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.18	J	0.24	0.086	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Calcium	2280		61.1	33.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Chromium	14.2		0.61	0.44	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Cobalt	7.9		0.61	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Copper	27.7		1.2	0.70	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Iron	20700		12.2	10.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Lead	28.9		1.2	0.56	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Magnesium	2310		24.5	10.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Manganese	195		1.2	0.34	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Nickel	19.0	^5-	6.1	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Potassium	1790		36.7	29.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Selenium	1.7	J	4.9	0.98	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Silver	ND	^5-	0.73	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Sodium	76.0	J	171	75.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Thallium	ND	*+	7.3	0.93	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Vanadium	21.9		0.61	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1
Zinc	65.7	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.40		0.025	0.0057	mg/Kg	☆	06/02/25 13:35	06/02/25 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.56	mg/Kg	☆	06/05/25 12:02	06/05/25 16:21	1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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	0.44	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,1,2,2-Tetrachloroethane	ND	F1 vs	6.1	0.99	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,1,2-Trichloroethane	ND	vs	6.1	0.79	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,2,4-Trichlorobenzene	ND	F1 vs	6.1	0.37	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,2-Dichlorobenzene	ND	F1 vs	6.1	0.48	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,2-Dichloroethane	ND	F1 vs	6.1	0.31	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,2-Dichloropropane	ND	vs	6.1	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,3-Dichlorobenzene	ND	vs	6.1	0.31	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
2-Butanone (MEK)	ND	F1 vs	31	2.2	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
Acetone	5.3	J vs	31	5.1	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1
Benzene	ND	vs	6.1	0.30	ug/Kg	☆	06/02/25 11:51	06/03/25 04:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND	vs	6.1	3.1	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Carbon disulfide	ND	vs	6.1	3.1	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Dibromochloromethane	ND	vs	6.1	0.78	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Chloroform	ND	vs	6.1	0.38	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Chloromethane	ND	vs	6.1	0.37	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.78	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Cyclohexane	ND	vs	6.1	0.86	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Bromodichloromethane	ND	vs	6.1	0.82	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Dichlorodifluoromethane	ND	vs	6.1	0.50	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
1,2-Dibromoethane	ND	vs	6.1	0.78	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Isopropylbenzene	ND	vs	6.1	0.92	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Methyl acetate	ND	vs	31	3.7	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Methylcyclohexane	ND	vs	6.1	0.93	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Methylene Chloride	31	vs	6.1	2.8	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Tetrachloroethene	ND	vs	6.1	0.82	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Toluene	ND	vs	6.1	0.46	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
trans-1,2-Dichloroethene	21	vs	6.1	0.63	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Trichlorofluoromethane	ND	vs	6.1	0.58	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.88	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1
Styrene	ND	vs	6.1	0.31	ug/Kg	☼	06/02/25 11:51	06/03/25 04:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/02/25 11:51	06/03/25 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	06/02/25 11:51	06/03/25 04:32	1
4-Bromofluorobenzene (Surr)	97		72 - 126	06/02/25 11:51	06/03/25 04:32	1
Toluene-d8 (Surr)	104		71 - 125	06/02/25 11:51	06/03/25 04:32	1
Dibromofluoromethane (Surr)	101		60 - 140	06/02/25 11:51	06/03/25 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	210	39	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
1,4-Dioxane	ND		120	46	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
2,4-Dinitrophenol	ND	F1 F2	2000	40	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		210	28	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2,6-Dinitrotoluene	ND	*-	210	30	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Chloronaphthalene	ND	*-	210	39	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Chlorophenol	ND		210	33	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Methylnaphthalene	ND	*-	210	33	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Methylphenol	ND		210	34	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Nitroaniline	ND		410	35	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
2-Nitrophenol	ND		210	24	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
3,3'-Dichlorobenzidine	ND		410	61	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
3-Nitroaniline	ND		410	29	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4,6-Dinitro-2-methylphenol	ND	F2	410	46	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Bromophenyl phenyl ether	ND	*-	210	35	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Chloroaniline	ND	*-	210	30	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Chlorophenyl phenyl ether	ND	*-	210	44	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Methylphenol	ND		410	37	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Nitroaniline	ND		410	30	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
4-Nitrophenol	ND		410	57	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Acenaphthene	ND	*-	210	39	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Acenaphthylene	ND	*-	210	40	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Acetophenone	ND		210	37	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Anthracene	ND	*-	210	38	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Atrazine	ND		210	70	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzaldehyde	ND		210	160	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzo[a]anthracene	ND	*-	210	29	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzo[a]pyrene	ND		210	35	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzo[b]fluoranthene	ND	*-	210	28	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzo[g,h,i]perylene	ND	*-	210	36	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Bis(2-ethylhexyl) phthalate	ND	*-	210	45	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Butyl benzyl phthalate	ND	*-	210	38	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Caprolactam	ND	*-	210	48	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Carbazole	ND	*-	210	41	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Chrysene	ND	*-	210	50	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Dibenz(a,h)anthracene	ND	*-	210	42	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Dibenzofuran	ND	*-	210	37	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Diethyl phthalate	ND		210	37	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Dimethyl phthalate	ND	*-	210	40	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Di-n-butyl phthalate	ND	*-	210	47	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Di-n-octyl phthalate	ND	*-	210	40	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Fluoranthene	ND	*-	210	38	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Fluorene	ND	*-	210	38	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Hexachlorobenzene	ND	*-	210	40	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Hexachlorocyclopentadiene	ND		410	91	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Hexachloroethane	ND		210	38	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1
Indeno[1,2,3-cd]pyrene	ND	*-	210	31	ug/Kg	☆	06/03/25 06:42	06/04/25 18:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND	*-	210	43	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Naphthalene	ND		210	34	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Nitrobenzene	ND		210	35	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
N-Nitrosodiphenylamine	ND	*-	210	35	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Pentachlorophenol	ND		410	66	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Phenanthrene	ND	*-	210	39	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Phenol	ND		210	38	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1
Pyrene	ND	*-	210	39	ug/Kg	☼	06/03/25 06:42	06/04/25 18:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	10000	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/04/25 18:42	1
Unknown	1700	T J	ug/Kg	☼	3.27	N/A	06/03/25 06:42	06/04/25 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	62		22 - 120	06/03/25 06:42	06/04/25 18:42	1
p-Terphenyl-d14 (Surr)	70		28 - 124	06/03/25 06:42	06/04/25 18:42	1
Phenol-d5 (Surr)	61		23 - 120	06/03/25 06:42	06/04/25 18:42	1
2-Fluorophenol (Surr)	57		18 - 120	06/03/25 06:42	06/04/25 18:42	1
2,4,6-Tribromophenol (Surr)	68		10 - 140	06/03/25 06:42	06/04/25 18:42	1
2-Fluorobiphenyl (Surr)	66		29 - 120	06/03/25 06:42	06/04/25 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
1,4-Dioxane	ND		120	46	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4-Dinitrophenol	ND		2000	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,4-Dinitrotoluene	ND		210	28	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Chlorophenol	ND		210	33	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Methylnaphthalene	ND		210	33	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Methylphenol	ND		210	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Nitroaniline	ND		410	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
2-Nitrophenol	ND		210	24	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
3,3'-Dichlorobenzidine	ND	F2	410	61	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
3-Nitroaniline	ND	*-	410	29	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Bromophenyl phenyl ether	ND		210	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Chloroaniline	ND	*-	210	30	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Methylphenol	ND		410	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Nitroaniline	ND		410	31	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
4-Nitrophenol	ND		410	57	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		210	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Acenaphthylene	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Acetophenone	ND		210	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Anthracene	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Atrazine	ND	F1	210	70	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzaldehyde	ND		210	160	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzo[a]anthracene	ND		210	29	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzo[a]pyrene	ND		210	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzo[b]fluoranthene	ND		210	28	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzo[g,h,i]perylene	ND		210	36	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Bis(2-ethylhexyl) phthalate	ND		210	45	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Butyl benzyl phthalate	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Caprolactam	ND		210	48	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Carbazole	ND		210	41	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Chrysene	ND		210	50	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Dibenz(a,h)anthracene	ND		210	42	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Dibenzofuran	ND		210	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Diethyl phthalate	ND		210	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Dimethyl phthalate	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Fluoranthene	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Fluorene	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Hexachlorobenzene	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Hexachlorocyclopentadiene	ND	F2 F1	410	91	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Hexachloroethane	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Isophorone	ND		210	43	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Naphthalene	ND		210	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Nitrobenzene	ND		210	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Pentachlorophenol	ND		410	66	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Phenanthrene	ND		210	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Phenol	ND		210	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1
Pyrene	ND		210	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	10000	T J	ug/Kg	☼	1.89	N/A	06/05/25 13:46	06/06/25 12:24	1
Unknown	730	T J	ug/Kg	☼	2.36	N/A	06/05/25 13:46	06/06/25 12:24	1
Unknown	5800	T J	ug/Kg	☼	3.26	N/A	06/05/25 13:46	06/06/25 12:24	1
Unknown	380	T J	ug/Kg	☼	10.98	N/A	06/05/25 13:46	06/06/25 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		22 - 120	06/05/25 13:46	06/06/25 12:24	1
p-Terphenyl-d14 (Surr)	69		28 - 124	06/05/25 13:46	06/06/25 12:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	69		23 - 120	06/05/25 13:46	06/06/25 12:24	1
2-Fluorophenol (Surr)	66		18 - 120	06/05/25 13:46	06/06/25 12:24	1
2,4,6-Tribromophenol (Surr)	47		10 - 140	06/05/25 13:46	06/06/25 12:24	1
2-Fluorobiphenyl (Surr)	72		29 - 120	06/05/25 13:46	06/06/25 12:24	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.1	0.79	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
4,4'-DDE	ND		4.1	0.85	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
4,4'-DDT	3.1	J	4.1	0.95	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
beta-BHC	ND		4.1	0.73	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
cis-Chlordane	ND		4.1	2.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
alpha-BHC	ND		4.1	0.73	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Aldrin	ND	F2	4.1	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
delta-BHC	ND	F2	4.1	0.75	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Dieldrin	ND		4.1	0.97	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endosulfan I	ND		4.1	0.78	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endosulfan II	ND		4.1	0.73	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endosulfan sulfate	ND		4.1	0.76	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endrin	ND		4.1	0.80	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endrin aldehyde	ND		4.1	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Endrin ketone	ND		4.1	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
gamma-BHC (Lindane)	ND	F1	4.1	0.74	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
trans-Chlordane	ND		4.1	1.3	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Heptachlor	ND		4.1	0.88	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Heptachlor epoxide	ND		4.1	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Methoxychlor	ND		4.1	0.83	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1
Toxaphene	ND		4.1	24	ug/Kg	☆	06/03/25 13:31	06/04/25 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		45 - 120	06/03/25 13:31	06/04/25 10:33	1
DCB Decachlorobiphenyl	84		45 - 120	06/03/25 13:31	06/04/25 10:33	1
Tetrachloro-m-xylene	63		30 - 124	06/03/25 13:31	06/04/25 10:33	1
Tetrachloro-m-xylene	64		30 - 124	06/03/25 13:31	06/04/25 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1221	ND		0.26	0.051	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1232	ND		0.26	0.051	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1242	ND		0.26	0.051	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1248	ND		0.26	0.051	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1254	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1
PCB-1260	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	06/03/25 06:25	06/03/25 17:22	1
Tetrachloro-m-xylene	119		60 - 154	06/03/25 06:25	06/03/25 17:22	1
DCB Decachlorobiphenyl	130		65 - 174	06/03/25 06:25	06/03/25 17:22	1
DCB Decachlorobiphenyl	123		65 - 174	06/03/25 06:25	06/03/25 17:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	F1 *-	0.20	0.088	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	✱	06/04/25 07:16	06/05/25 12:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	106		8 - 130				06/04/25 07:16	06/05/25 12:34	1
13C5-PFPeA	124		35 - 130				06/04/25 07:16	06/05/25 12:34	1
13C5-PFHxA	113		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C4-PFHpA	116		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C8-PFOA	104		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C9-PFNA	101		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C6-PFDA	86.1		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C7-PFUnA	81.4		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C2-PFTeDA	83.6		20 - 130				06/04/25 07:16	06/05/25 12:34	1
13C3-PFBS	105		40 - 135				06/04/25 07:16	06/05/25 12:34	1
13C3-PFHxS	89.3		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C8-PFOS	80.8		40 - 130				06/04/25 07:16	06/05/25 12:34	1
13C8-PFOSA	85.8		40 - 130				06/04/25 07:16	06/05/25 12:34	1
d3-NMeFOSAA	80.8		40 - 135				06/04/25 07:16	06/05/25 12:34	1
d5-NEtFOSAA	72.7		40 - 150				06/04/25 07:16	06/05/25 12:34	1
13C2 4:2 FTS	97.6		40 - 165				06/04/25 07:16	06/05/25 12:34	1
13C2 6:2 FTS	94.1		40 - 215				06/04/25 07:16	06/05/25 12:34	1
13C2 8:2 FTS	74.5		40 - 275				06/04/25 07:16	06/05/25 12:34	1
13C3-HFPO-DA	118		40 - 130				06/04/25 07:16	06/05/25 12:34	1
D7-NMeFOSE	48.7		20 - 130				06/04/25 07:16	06/05/25 12:34	1
D9-NEtFOSE	34.0		15 - 130				06/04/25 07:16	06/05/25 12:34	1
d5-NEtPFOSA	69.2		10 - 130				06/04/25 07:16	06/05/25 12:34	1
d3-NMePFOSA	72.5		10 - 130				06/04/25 07:16	06/05/25 12:34	1
13C2 PFDa	75.1		40 - 130				06/04/25 07:16	06/05/25 12:34	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15500		11.9	10.2	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Antimony	0.93	J F1	17.8	0.63	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Arsenic	6.2		2.4	1.0	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Barium	170		0.59	0.17	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Beryllium	0.71		0.24	0.048	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Cadmium	0.71		0.24	0.083	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Calcium	122000		297	160	mg/Kg	✱	06/02/25 15:39	06/06/25 11:45	5
Chromium	21.1		0.59	0.43	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Cobalt	9.7		0.59	0.12	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Copper	20.2		1.2	0.68	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Iron	20600		11.9	10.1	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Lead	14.9		1.2	0.55	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1
Magnesium	7960		23.8	10.1	mg/Kg	✱	06/02/25 15:39	06/05/25 15:21	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	254	F1	1.2	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Nickel	27.4	^5-	5.9	0.30	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Potassium	3960	F1	35.7	28.8	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Selenium	1.7	J	4.8	0.95	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Silver	ND	^5-	0.71	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Sodium	150	J	166	72.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Thallium	ND	*+	7.1	0.90	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Vanadium	27.8		0.59	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1
Zinc	56.9	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.025	0.0059	mg/Kg	☆	06/02/25 13:35	06/02/25 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1	1.2	0.57	mg/Kg	☆	06/05/25 12:02	06/05/25 16:13	1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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	5.8	0.42	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.94	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,1,2-Trichloroethane	ND	vs	5.8	0.76	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,1-Dichloroethane	ND	vs	5.8	0.71	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Acetone	ND	vs	29	4.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Benzene	ND	vs	5.8	0.29	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Chlorobenzene	ND	vs	5.8	0.77	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	5.8	0.35	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Bromodichloromethane	ND	vs	5.8	0.78	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
1,2-Dibromoethane	ND	vs	5.8	0.75	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Isopropylbenzene	ND	vs	5.8	0.88	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Methylene Chloride	19	vs	5.8	2.7	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Tetrachloroethene	ND	vs	5.8	0.78	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Toluene	ND	vs	5.8	0.44	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
trans-1,2-Dichloroethene	11	vs	5.8	0.60	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.6	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Trichloroethene	ND	vs	5.8	1.3	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Vinyl chloride	ND	vs	5.8	0.71	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Xylenes, Total	ND	vs	12	0.98	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.84	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1
Styrene	ND	vs	5.8	0.29	ug/Kg	☆	06/02/25 11:51	06/03/25 04:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	06/02/25 11:51	06/03/25 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	06/02/25 11:51	06/03/25 04:59	1
4-Bromofluorobenzene (Surr)	96		72 - 126	06/02/25 11:51	06/03/25 04:59	1
Toluene-d8 (Surr)	107		71 - 125	06/02/25 11:51	06/03/25 04:59	1
Dibromofluoromethane (Surr)	105		60 - 140	06/02/25 11:51	06/03/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	200	37	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
1,4-Dioxane	ND		120	44	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2,6-Dinitrotoluene	ND	*-	200	28	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Chloronaphthalene	ND	*-	200	37	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Chlorophenol	ND		200	31	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Methylnaphthalene	ND	*-	200	31	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Methylphenol	ND		200	32	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Nitroaniline	ND		390	34	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1
2-Nitrophenol	ND		200	23	ug/Kg	☆	06/03/25 06:42	06/04/25 21:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
3-Nitroaniline	ND		390	28	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Bromophenyl phenyl ether	ND	*-	200	34	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Chloroaniline	ND	*-	200	29	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Chlorophenyl phenyl ether	ND	*-	200	42	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Methylphenol	ND		390	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Nitroaniline	ND		390	29	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
4-Nitrophenol	ND		390	54	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Acenaphthene	ND	*-	200	37	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Acenaphthylene	ND	*-	200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Acetophenone	ND		200	35	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Anthracene	ND	*-	200	37	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Atrazine	ND		200	67	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzaldehyde	ND		200	150	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzo[a]anthracene	ND	*-	200	27	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzo[a]pyrene	ND		200	34	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzo[b]fluoranthene	ND	*-	200	27	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzo[g,h,i]perylene	ND	*-	200	35	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Bis(2-ethylhexyl) phthalate	ND	*-	200	43	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Butyl benzyl phthalate	ND	*-	200	37	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Caprolactam	ND	*-	200	46	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Carbazole	ND	*-	200	39	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Chrysene	ND	*-	200	48	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Dibenz(a,h)anthracene	ND	*-	200	40	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Dibenzofuran	ND	*-	200	35	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Diethyl phthalate	ND		200	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Dimethyl phthalate	ND	*-	200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Di-n-butyl phthalate	ND	*-	200	45	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Di-n-octyl phthalate	ND	*-	200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Fluoranthene	ND	*-	200	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Fluorene	ND	*-	200	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Hexachlorobenzene	ND	*-	200	38	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Hexachlorobutadiene	ND		200	30	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Hexachloroethane	ND		200	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Indeno[1,2,3-cd]pyrene	ND	*-	200	30	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Isophorone	ND	*-	200	41	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Naphthalene	ND		200	33	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Nitrobenzene	ND		200	33	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
N-Nitrosodiphenylamine	ND	*-	200	33	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Pentachlorophenol	ND		390	63	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Phenanthrene	ND	*-	200	37	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1
Phenol	ND		200	36	ug/Kg	✱	06/03/25 06:42	06/04/25 21:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 21:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7300	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/04/25 21:52	1
Unknown	1400	T J	ug/Kg	☼	3.27	N/A	06/03/25 06:42	06/04/25 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	51		22 - 120	06/03/25 06:42	06/04/25 21:52	1
p-Terphenyl-d14 (Surr)	69		28 - 124	06/03/25 06:42	06/04/25 21:52	1
Phenol-d5 (Surr)	55		23 - 120	06/03/25 06:42	06/04/25 21:52	1
2-Fluorophenol (Surr)	51		18 - 120	06/03/25 06:42	06/04/25 21:52	1
2,4,6-Tribromophenol (Surr)	67		10 - 140	06/03/25 06:42	06/04/25 21:52	1
2-Fluorobiphenyl (Surr)	54		29 - 120	06/03/25 06:42	06/04/25 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
1,4-Dioxane	ND		120	45	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4,6-Trichlorophenol	ND		200	31	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4-Dichlorophenol	ND		200	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4-Dimethylphenol	ND		200	43	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4-Dinitrophenol	ND		2000	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,4-Dinitrotoluene	ND		200	28	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Chloronaphthalene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Chlorophenol	ND		200	32	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Methylnaphthalene	ND		200	32	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Methylphenol	ND		200	33	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Nitroaniline	ND		400	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
3,3'-Dichlorobenzidine	ND		400	59	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
3-Nitroaniline	ND	*-	400	29	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4,6-Dinitro-2-methylphenol	ND		400	44	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Chloro-3-methylphenol	ND		200	42	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Chloroaniline	ND	*-	200	29	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Chlorophenyl phenyl ether	ND		200	43	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Methylphenol	ND		400	36	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Nitroaniline	ND		400	30	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
4-Nitrophenol	ND		400	55	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Acenaphthene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Acenaphthylene	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Acetophenone	ND		200	36	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Anthracene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Atrazine	ND		200	68	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Benzo[a]anthracene	ND		200	28	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Bis(2-chloroethoxy)methane	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Caprolactam	ND		200	47	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Carbazole	ND		200	40	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Chrysene	ND		200	49	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Dibenzofuran	ND		200	36	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Dimethyl phthalate	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Di-n-octyl phthalate	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Fluoranthene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Fluorene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Hexachlorobenzene	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Hexachlorocyclopentadiene	ND		400	89	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Hexachloroethane	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Isophorone	ND		200	42	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Naphthalene	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Nitrobenzene	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Pentachlorophenol	ND		400	65	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Phenanthrene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Phenol	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1
Pyrene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 12:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4500	T J	ug/Kg	☼	1.77	N/A	06/05/25 13:46	06/06/25 12:55	1
Unknown	11000	T J	ug/Kg	☼	1.89	N/A	06/05/25 13:46	06/06/25 12:55	1
Unknown	3600	T J	ug/Kg	☼	3.26	N/A	06/05/25 13:46	06/06/25 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	65		22 - 120	06/05/25 13:46	06/06/25 12:55	1
p-Terphenyl-d14 (Surr)	68		28 - 124	06/05/25 13:46	06/06/25 12:55	1
Phenol-d5 (Surr)	65		23 - 120	06/05/25 13:46	06/06/25 12:55	1
2-Fluorophenol (Surr)	62		18 - 120	06/05/25 13:46	06/06/25 12:55	1
2,4,6-Tribromophenol (Surr)	54		10 - 140	06/05/25 13:46	06/06/25 12:55	1
2-Fluorobiphenyl (Surr)	67		29 - 120	06/05/25 13:46	06/06/25 12:55	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.0	0.77	ug/Kg	☼	06/03/25 13:31	06/04/25 10:52	1
4,4'-DDE	ND		4.0	0.84	ug/Kg	☼	06/03/25 13:31	06/04/25 10:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		4.0	0.93	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
beta-BHC	ND		4.0	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
cis-Chlordane	ND		4.0	2.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
alpha-BHC	ND		4.0	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Aldrin	ND		4.0	0.98	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
delta-BHC	ND		4.0	0.74	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Dieldrin	ND		4.0	0.96	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endosulfan I	ND		4.0	0.76	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endosulfan II	ND		4.0	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endosulfan sulfate	ND		4.0	0.74	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endrin	ND		4.0	0.79	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endrin aldehyde	ND		4.0	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Endrin ketone	ND		4.0	0.98	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
gamma-BHC (Lindane)	ND		4.0	0.73	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
trans-Chlordane	ND		4.0	1.3	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Heptachlor	ND		4.0	0.86	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Heptachlor epoxide	ND		4.0	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Methoxychlor	ND		4.0	0.81	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1
Toxaphene	ND		40	23	ug/Kg	☆	06/03/25 13:31	06/04/25 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		45 - 120	06/03/25 13:31	06/04/25 10:52	1
DCB Decachlorobiphenyl	81		45 - 120	06/03/25 13:31	06/04/25 10:52	1
Tetrachloro-m-xylene	54		30 - 124	06/03/25 13:31	06/04/25 10:52	1
Tetrachloro-m-xylene	55		30 - 124	06/03/25 13:31	06/04/25 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1221	ND		0.28	0.055	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1232	ND		0.28	0.055	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1242	ND		0.28	0.055	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1248	ND		0.28	0.055	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1254	ND		0.28	0.13	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1
PCB-1260	ND		0.28	0.13	mg/Kg	☆	06/03/25 06:25	06/03/25 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	06/03/25 06:25	06/03/25 20:27	1
Tetrachloro-m-xylene	101		60 - 154	06/03/25 06:25	06/03/25 20:27	1
DCB Decachlorobiphenyl	110		65 - 174	06/03/25 06:25	06/03/25 20:27	1
DCB Decachlorobiphenyl	103		65 - 174	06/03/25 06:25	06/03/25 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*-	0.20	0.090	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	✱	06/04/25 07:16	06/05/25 13:15	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☆	06/04/25 07:16	06/05/25 13:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	92.5		8 - 130				06/04/25 07:16	06/05/25 13:15	1
13C5-PFPeA	103		35 - 130				06/04/25 07:16	06/05/25 13:15	1
13C5-PFHxA	95.8		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C4-PFHpA	89.8		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C8-PFOA	82.1		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C9-PFNA	85.0		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C6-PFDA	75.3		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C7-PFUnA	72.8		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C2-PFTeDA	77.1		20 - 130				06/04/25 07:16	06/05/25 13:15	1
13C3-PFBS	81.0		40 - 135				06/04/25 07:16	06/05/25 13:15	1
13C3-PFHxS	70.2		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C8-PFOS	61.1		40 - 130				06/04/25 07:16	06/05/25 13:15	1
13C8-PFOSA	73.4		40 - 130				06/04/25 07:16	06/05/25 13:15	1
d3-NMeFOSAA	69.9		40 - 135				06/04/25 07:16	06/05/25 13:15	1
d5-NEtFOSAA	60.3		40 - 150				06/04/25 07:16	06/05/25 13:15	1
13C2 4:2 FTS	84.5		40 - 165				06/04/25 07:16	06/05/25 13:15	1
13C2 6:2 FTS	79.1		40 - 215				06/04/25 07:16	06/05/25 13:15	1
13C2 8:2 FTS	67.7		40 - 275				06/04/25 07:16	06/05/25 13:15	1
13C3-HFPO-DA	88.5		40 - 130				06/04/25 07:16	06/05/25 13:15	1
D7-NMeFOSE	45.6		20 - 130				06/04/25 07:16	06/05/25 13:15	1
D9-NEtFOSE	35.7		15 - 130				06/04/25 07:16	06/05/25 13:15	1
d5-NEtPFOSA	56.3		10 - 130				06/04/25 07:16	06/05/25 13:15	1
d3-NMePFOSA	62.4		10 - 130				06/04/25 07:16	06/05/25 13:15	1
13C2 PFDoA	69.7		40 - 130				06/04/25 07:16	06/05/25 13:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11800		12.1	10.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Antimony	1.1	J	18.1	0.64	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Arsenic	10.2		2.4	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Barium	70.3		0.60	0.17	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Beryllium	0.60		0.24	0.048	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Cadmium	0.44		0.24	0.085	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Calcium	42000		60.5	32.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Chromium	17.0		0.60	0.44	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Cobalt	10.4		0.60	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Copper	32.9		1.2	0.69	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Iron	25200		12.1	10.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Lead	17.0		1.2	0.56	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Magnesium	7550		24.2	10.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Manganese	305		1.2	0.34	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Nickel	30.0	^5-	6.0	0.30	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Potassium	2410		36.3	29.3	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Selenium	1.2	J	4.8	0.97	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Silver	ND	^5-	0.73	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Sodium	152	J	169	74.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Thallium	ND	*+	7.3	0.92	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	23.2		0.60	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1
Zinc	77.1	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:48	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.025	0.0058	mg/Kg	☆	06/02/25 13:35	06/02/25 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.54	mg/Kg	☆	06/05/25 12:02	06/05/25 16:21	1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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	5.7	0.41	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.92	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,1,2-Trichloroethane	ND	vs	5.7	0.74	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,1-Dichloroethane	ND	vs	5.7	0.69	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,1-Dichloroethene	ND	vs	5.7	0.69	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.34	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2-Dichlorobenzene	ND	vs	5.7	0.44	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2-Dichloroethane	ND	vs	5.7	0.28	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2-Dichloropropane	ND	vs	5.7	2.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,4-Dichlorobenzene	ND	vs	5.7	0.79	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
2-Butanone (MEK)	9.7	J vs	28	2.1	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.9	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Acetone	85	vs	28	4.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Benzene	ND	vs	5.7	0.28	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Bromoform	ND	vs	5.7	2.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Bromomethane	ND	vs	5.7	0.51	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Carbon disulfide	ND	vs	5.7	2.8	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Carbon tetrachloride	ND	vs	5.7	0.55	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Chlorobenzene	ND	vs	5.7	0.75	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Dibromochloromethane	ND	vs	5.7	0.72	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Chloroform	ND	vs	5.7	0.35	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Chloromethane	ND	vs	5.7	0.34	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.72	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Cyclohexane	ND	vs	5.7	0.79	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Bromodichloromethane	ND	vs	5.7	0.76	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
Ethylbenzene	ND	vs	5.7	0.39	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1
1,2-Dibromoethane	ND	vs	5.7	0.73	ug/Kg	☆	06/03/25 18:54	06/04/25 00:45	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND	vs	5.7	0.85	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Methylcyclohexane	ND	vs	5.7	0.86	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Methylene Chloride	7.0	vs	5.7	2.6	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Tetrachloroethene	ND	vs	5.7	0.76	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Toluene	ND	vs	5.7	0.43	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
trans-1,2-Dichloroethene	2.1	J vs	5.7	0.58	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Trichloroethene	ND	vs	5.7	1.2	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Vinyl chloride	ND	vs	5.7	0.69	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Xylenes, Total	ND	vs	11	0.95	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.82	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1
Styrene	ND	vs	5.7	0.28	ug/Kg	☼	06/03/25 18:54	06/04/25 00:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/03/25 18:54	06/04/25 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	06/03/25 18:54	06/04/25 00:45	1
4-Bromofluorobenzene (Surr)	96		72 - 126	06/03/25 18:54	06/04/25 00:45	1
Toluene-d8 (Surr)	110		71 - 125	06/03/25 18:54	06/04/25 00:45	1
Dibromofluoromethane (Surr)	102		60 - 140	06/03/25 18:54	06/04/25 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
1,4-Dioxane	ND		110	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4,5-Trichlorophenol	ND		180	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4-Dinitrophenol	ND		1800	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,4-Dinitrotoluene	ND		180	25	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2,6-Dinitrotoluene	ND	*-	180	26	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Chloronaphthalene	ND	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Methylnaphthalene	150	J *-	180	28	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Methylphenol	ND		180	29	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Nitroaniline	ND		350	31	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
2-Nitrophenol	ND		180	21	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
3,3'-Dichlorobenzidine	ND		350	53	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
3-Nitroaniline	ND		350	26	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4,6-Dinitro-2-methylphenol	ND		350	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Bromophenyl phenyl ether	ND	*-	180	31	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Chloroaniline	ND	*-	180	26	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Chlorophenyl phenyl ether	ND	*-	180	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		350	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Nitroaniline	ND		350	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
4-Nitrophenol	ND		350	49	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Acenaphthene	ND	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Acenaphthylene	ND	*-	180	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Acetophenone	ND		180	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Anthracene	62	J *-	180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Atrazine	ND		180	61	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzaldehyde	ND		180	140	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzo[a]anthracene	200	*-	180	25	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzo[a]pyrene	160	J	180	31	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzo[b]fluoranthene	220	*-	180	24	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzo[g,h,i]perylene	100	J *-	180	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Benzo[k]fluoranthene	130	J	180	41	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Bis(2-chloroethoxy)methane	ND		180	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Bis(2-ethylhexyl) phthalate	ND	*-	180	39	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Butyl benzyl phthalate	ND	*-	180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Caprolactam	ND	*-	180	42	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Carbazole	ND	*-	180	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Chrysene	280	*-	180	44	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Dibenz(a,h)anthracene	ND	*-	180	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Dibenzofuran	70	J *-	180	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Dimethyl phthalate	ND	*-	180	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Di-n-butyl phthalate	ND	*-	180	41	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Di-n-octyl phthalate	ND	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Fluoranthene	520	*-	180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Fluorene	33	J *-	180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Hexachlorobenzene	ND	*-	180	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Hexachlorocyclopentadiene	ND		350	79	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Hexachloroethane	ND		180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Indeno[1,2,3-cd]pyrene	76	J *-	180	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Isophorone	ND	*-	180	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Naphthalene	110	J	180	30	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Nitrobenzene	ND		180	30	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
N-Nitrosodi-n-propylamine	ND		180	41	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
N-Nitrosodiphenylamine	ND	*-	180	30	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Pentachlorophenol	ND		350	58	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Phenanthrene	480	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Phenol	ND		180	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1
Pyrene	410	*-	180	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7800	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/04/25 22:19	1
Unknown	2200	T J	ug/Kg	☼	3.28	N/A	06/03/25 06:42	06/04/25 22:19	1
Pentadecane, 2,6,10,14-tetramethyl-	490	T J N	ug/Kg	☼	10.31	1921-70-6	06/03/25 06:42	06/04/25 22:19	1
Eicosane	310	T J N	ug/Kg	☼	13.10	112-95-8	06/03/25 06:42	06/04/25 22:19	1
Heptadecane	440	T J N	ug/Kg	☼	13.64	629-78-7	06/03/25 06:42	06/04/25 22:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	42		22 - 120	06/03/25 06:42	06/04/25 22:19	1
p-Terphenyl-d14 (Surr)	46		28 - 124	06/03/25 06:42	06/04/25 22:19	1
Phenol-d5 (Surr)	46		23 - 120	06/03/25 06:42	06/04/25 22:19	1
2-Fluorophenol (Surr)	43		18 - 120	06/03/25 06:42	06/04/25 22:19	1
2,4,6-Tribromophenol (Surr)	49		10 - 140	06/03/25 06:42	06/04/25 22:19	1
2-Fluorobiphenyl (Surr)	48		29 - 120	06/03/25 06:42	06/04/25 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
1,4-Dioxane	ND		110	42	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Chlorophenol	ND		190	30	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Methylnaphthalene	190		190	30	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Methylphenol	ND		190	31	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Nitroaniline	ND		370	33	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
2-Nitrophenol	ND		190	22	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
3-Nitroaniline	ND	*-	370	27	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Chloroaniline	ND	*-	190	28	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Methylphenol	ND		370	34	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Nitroaniline	ND		370	28	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
4-Nitrophenol	ND		370	52	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Acenaphthene	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Acenaphthylene	ND		190	37	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Acetophenone	ND		190	34	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Anthracene	84	J	190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Atrazine	ND		190	65	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzaldehyde	ND		190	150	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzo[a]anthracene	260		190	26	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzo[a]pyrene	210		190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzo[b]fluoranthene	350		190	26	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzo[g,h,i]perylene	170	J	190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Benzo[k]fluoranthene	140	J	190	43	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 13:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		190	44	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Carbazole	ND		190	38	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Chrysene	340		190	46	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Dibenz(a,h)anthracene	48 J		190	39	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Dibenzofuran	91 J		190	34	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Fluoranthene	640		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Fluorene	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Hexachlorocyclopentadiene	ND		370	84	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Hexachloroethane	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Indeno[1,2,3-cd]pyrene	120 J		190	29	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Isophorone	ND		190	39	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Naphthalene	130 J		190	32	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Nitrobenzene	ND		190	32	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Pentachlorophenol	ND		370	61	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Phenanthrene	590		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Phenol	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1
Pyrene	550		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 13:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2900	T J	ug/Kg	☼	3.26	N/A	06/05/25 13:46	06/06/25 13:48	1
Pentadecane, 2,6,10,14-tetramethyl-	630	T J N	ug/Kg	☼	10.31	1921-70-6	06/05/25 13:46	06/06/25 13:48	1
Heneicosane	320	T J N	ug/Kg	☼	11.91	629-94-7	06/05/25 13:46	06/06/25 13:48	1
Pyrene, 1-methyl-	330	T J N	ug/Kg	☼	12.45	2381-21-7	06/05/25 13:46	06/06/25 13:48	1
Unknown	300	T J	ug/Kg	☼	12.54	N/A	06/05/25 13:46	06/06/25 13:48	1
Pentacosane	320	T J N	ug/Kg	☼	13.11	629-99-2	06/05/25 13:46	06/06/25 13:48	1
Heptadecane	440	T J N	ug/Kg	☼	13.64	629-78-7	06/05/25 13:46	06/06/25 13:48	1
Octacosane	310	T J N	ug/Kg	☼	14.13	630-02-4	06/05/25 13:46	06/06/25 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	46		22 - 120	06/05/25 13:46	06/06/25 13:48	1
p-Terphenyl-d14 (Surr)	56		28 - 124	06/05/25 13:46	06/06/25 13:48	1
Phenol-d5 (Surr)	49		23 - 120	06/05/25 13:46	06/06/25 13:48	1
2-Fluorophenol (Surr)	46		18 - 120	06/05/25 13:46	06/06/25 13:48	1
2,4,6-Tribromophenol (Surr)	59		10 - 140	06/05/25 13:46	06/06/25 13:48	1
2-Fluorobiphenyl (Surr)	53		29 - 120	06/05/25 13:46	06/06/25 13:48	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.73	ug/Kg	☼	06/03/25 13:31	06/04/25 11:12	1
4,4'-DDE	ND		3.8	0.79	ug/Kg	☼	06/03/25 13:31	06/04/25 11:12	1
4,4'-DDT	3.1 J		3.8	0.88	ug/Kg	☼	06/03/25 13:31	06/04/25 11:12	1
beta-BHC	ND		3.8	0.68	ug/Kg	☼	06/03/25 13:31	06/04/25 11:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	ND		3.8	1.9	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
alpha-BHC	ND		3.8	0.68	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Aldrin	ND		3.8	0.92	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
delta-BHC	ND		3.8	0.70	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Dieldrin	ND		3.8	0.90	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endosulfan I	ND		3.8	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endosulfan II	ND		3.8	0.68	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endosulfan sulfate	ND		3.8	0.70	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endrin	ND		3.8	0.74	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endrin aldehyde	ND		3.8	0.96	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Endrin ketone	ND		3.8	0.92	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
gamma-BHC (Lindane)	ND		3.8	0.69	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Heptachlor	ND		3.8	0.81	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Heptachlor epoxide	ND		3.8	0.97	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Methoxychlor	3.2	J B	3.8	0.77	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1
Toxaphene	ND		38	22	ug/Kg	☆	06/03/25 13:31	06/04/25 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		45 - 120	06/03/25 13:31	06/04/25 11:12	1
DCB Decachlorobiphenyl	78		45 - 120	06/03/25 13:31	06/04/25 11:12	1
Tetrachloro-m-xylene	43		30 - 124	06/03/25 13:31	06/04/25 11:12	1
Tetrachloro-m-xylene	42		30 - 124	06/03/25 13:31	06/04/25 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1221	ND		0.22	0.043	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1232	ND		0.22	0.043	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1242	ND		0.22	0.043	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1248	ND		0.22	0.043	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1254	ND		0.22	0.10	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1
PCB-1260	ND		0.22	0.10	mg/Kg	☆	06/03/25 06:25	06/03/25 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		60 - 154	06/03/25 06:25	06/03/25 20:46	1
Tetrachloro-m-xylene	110		60 - 154	06/03/25 06:25	06/03/25 20:46	1
DCB Decachlorobiphenyl	119		65 - 174	06/03/25 06:25	06/03/25 20:46	1
DCB Decachlorobiphenyl	111		65 - 174	06/03/25 06:25	06/03/25 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☆	06/04/25 07:16	06/05/25 13:29	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.19	0.087	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	✱	06/04/25 07:16	06/05/25 13:29	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	92.6		8 - 130	06/04/25 07:16	06/05/25 13:29	1
13C5-PFPeA	94.3		35 - 130	06/04/25 07:16	06/05/25 13:29	1
13C5-PFHxA	89.0		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C4-PFHpA	81.9		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C8-PFOA	78.1		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C9-PFNA	77.2		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C6-PFDA	68.8		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C7-PFUnA	70.8		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C2-PFTeDA	65.0		20 - 130	06/04/25 07:16	06/05/25 13:29	1
13C3-PFBS	79.1		40 - 135	06/04/25 07:16	06/05/25 13:29	1
13C3-PFHxS	69.7		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C8-PFOS	60.6		40 - 130	06/04/25 07:16	06/05/25 13:29	1
13C8-PFOSA	63.1		40 - 130	06/04/25 07:16	06/05/25 13:29	1
d3-NMeFOSAA	62.0		40 - 135	06/04/25 07:16	06/05/25 13:29	1
d5-NEtFOSAA	60.6		40 - 150	06/04/25 07:16	06/05/25 13:29	1
13C2 4:2 FTS	91.1		40 - 165	06/04/25 07:16	06/05/25 13:29	1
13C2 6:2 FTS	79.1		40 - 215	06/04/25 07:16	06/05/25 13:29	1
13C2 8:2 FTS	62.4		40 - 275	06/04/25 07:16	06/05/25 13:29	1
13C3-HFPO-DA	86.1		40 - 130	06/04/25 07:16	06/05/25 13:29	1
D7-NMeFOSE	27.0		20 - 130	06/04/25 07:16	06/05/25 13:29	1
D9-NEtFOSE	20.4		15 - 130	06/04/25 07:16	06/05/25 13:29	1
d5-NEtPFOSA	50.9		10 - 130	06/04/25 07:16	06/05/25 13:29	1
d3-NMePFOSA	52.1		10 - 130	06/04/25 07:16	06/05/25 13:29	1
13C2 PFDaA	65.9		40 - 130	06/04/25 07:16	06/05/25 13:29	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7240		11.1	9.6	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Antimony	1.4	J	16.6	0.59	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Arsenic	7.6		2.2	0.98	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Barium	76.2		0.55	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Beryllium	0.98		0.22	0.044	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Cadmium	0.31		0.22	0.078	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Calcium	4510		55.4	29.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Chromium	9.7		0.55	0.40	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Cobalt	7.6		0.55	0.11	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Copper	73.0		1.1	0.63	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Iron	23700		11.1	9.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Lead	73.1		1.1	0.51	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Magnesium	975		22.2	9.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Manganese	231		1.1	0.31	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Nickel	14.3	^5-	5.5	0.28	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Potassium	827		33.2	26.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Selenium	1.6	J	4.4	0.89	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Silver	ND	^5-	0.66	0.22	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Sodium	96.2	J	155	67.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Thallium	ND	*+	6.6	0.84	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Vanadium	16.4		0.55	0.14	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1
Zinc	98.3	^5-	2.2	1.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:50	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Date Collected: 05/30/25 08:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-25

Matrix: Solid

Percent Solids: 87.8

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.022	0.0051	mg/Kg	☆	06/02/25 13:35	06/02/25 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.49	mg/Kg	☆	06/05/25 12:02	06/05/25 16:22	1

Client Sample ID: RI-BH-12 Fill

Date Collected: 05/30/25 09:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-26

Matrix: Solid

Percent Solids: 84.3

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	5.8	0.42	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.95	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,1,2-Trichloroethane	ND	vs	5.8	0.76	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,1-Dichloroethane	ND	vs	5.8	0.71	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2-Dichlorobenzene	ND	vs	5.8	0.46	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,4-Dichlorobenzene	ND	vs	5.8	0.82	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Acetone	ND	vs	29	4.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Benzene	ND	vs	5.8	0.29	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Chlorobenzene	ND	vs	5.8	0.77	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Dibromochloromethane	ND	vs	5.8	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Cyclohexane	ND	*+ vs	5.8	0.82	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Bromodichloromethane	ND	vs	5.8	0.78	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
1,2-Dibromoethane	ND	vs	5.8	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Isopropylbenzene	ND	*+ vs	5.8	0.88	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Methylcyclohexane	ND	vs	5.8	0.89	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1
Methylene Chloride	ND	vs	5.8	2.7	ug/Kg	☆	06/04/25 18:51	06/04/25 22:21	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	vs	5.8	0.78	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Toluene	ND	vs	5.8	0.44	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
trans-1,2-Dichloroethene	1.1	J vs	5.8	0.60	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.6	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Trichloroethene	ND	vs	5.8	1.3	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Vinyl chloride	ND	vs	5.8	0.71	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Xylenes, Total	ND	vs	12	0.98	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.84	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1
Styrene	ND	vs	5.8	0.29	ug/Kg	☼	06/04/25 18:51	06/04/25 22:21	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/04/25 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	06/04/25 18:51	06/04/25 22:21	1
4-Bromofluorobenzene (Surr)	95		72 - 126	06/04/25 18:51	06/04/25 22:21	1
Toluene-d8 (Surr)	98		71 - 125	06/04/25 18:51	06/04/25 22:21	1
Dibromofluoromethane (Surr)	101		60 - 140	06/04/25 18:51	06/04/25 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
1,4-Dioxane	ND		120	43	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2,6-Dinitrotoluene	ND	*-	200	28	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Chloronaphthalene	ND	*-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Methylnaphthalene	86	J *	200	31	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Methylphenol	ND		200	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
3-Nitroaniline	ND		380	28	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Bromophenyl phenyl ether	ND	*-	200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Chloroaniline	ND	*-	200	28	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Chlorophenyl phenyl ether	ND	*-	200	41	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Methylphenol	ND		380	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Acenaphthene	43	J *	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Acenaphthylene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		200	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Anthracene	98	J *-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Atrazine	ND		200	66	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzo[a]anthracene	260	*-	200	27	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzo[a]pyrene	220		200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzo[b]fluoranthene	320	*-	200	26	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzo[g,h,i]perylene	140	J *-	200	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Benzo[k]fluoranthene	110	J	200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Bis(2-ethylhexyl) phthalate	ND	*-	200	43	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Butyl benzyl phthalate	ND	*-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Caprolactam	ND	*-	200	45	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Carbazole	39	J *-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Chrysene	340	*-	200	47	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Dibenz(a,h)anthracene	52	J *-	200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Dibenzofuran	44	J *-	200	34	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Dimethyl phthalate	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Di-n-butyl phthalate	ND	*-	200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Di-n-octyl phthalate	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Fluoranthene	580	*-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Fluorene	42	J *-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Hexachlorobenzene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Hexachlorocyclopentadiene	ND		380	86	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Indeno[1,2,3-cd]pyrene	110	J *-	200	29	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Isophorone	ND	*-	200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Naphthalene	59	J	200	32	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
N-Nitrosodiphenylamine	ND	*-	200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Phenanthrene	480	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Phenol	ND		200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1
Pyrene	500	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 22:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	9100	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/04/25 22:46	1
Unknown	1900	T J	ug/Kg	☼	3.27	N/A	06/03/25 06:42	06/04/25 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	55		22 - 120	06/03/25 06:42	06/04/25 22:46	1
p-Terphenyl-d14 (Surr)	61		28 - 124	06/03/25 06:42	06/04/25 22:46	1
Phenol-d5 (Surr)	55		23 - 120	06/03/25 06:42	06/04/25 22:46	1
2-Fluorophenol (Surr)	50		18 - 120	06/03/25 06:42	06/04/25 22:46	1
2,4,6-Tribromophenol (Surr)	58		10 - 140	06/03/25 06:42	06/04/25 22:46	1
2-Fluorobiphenyl (Surr)	59		29 - 120	06/03/25 06:42	06/04/25 22:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
1,4-Dioxane	ND		120	44	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Chloronaphthalene	ND		200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Chlorophenol	ND		200	31	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Methylnaphthalene	ND		200	31	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Methylphenol	ND		200	32	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Nitroaniline	ND		390	34	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
2-Nitrophenol	ND		200	23	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
3-Nitroaniline	ND	*	390	28	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Chloroaniline	ND	*	200	29	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Methylphenol	ND		390	36	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Nitroaniline	ND		390	29	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
4-Nitrophenol	ND		390	55	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Acenaphthene	99	J	200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Acenaphthylene	ND		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Acetophenone	ND		200	35	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Anthracene	220		200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Atrazine	ND		200	68	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzaldehyde	ND		200	150	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzo[a]anthracene	440		200	28	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzo[a]pyrene	350		200	34	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzo[b]fluoranthene	470		200	27	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzo[g,h,i]perylene	200		200	35	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Benzo[k]fluoranthene	190	J	200	45	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Caprolactam	ND		200	46	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Carbazole	54	J	200	39	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Chrysene	460		200	48	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Dibenz(a,h)anthracene	56	J	200	40	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Dibenzofuran	51	J	200	35	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Diethyl phthalate	ND		200	36	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Dimethyl phthalate	ND		200	39	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Fluoranthene	1000		200	36	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Fluorene	82	J	200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Hexachlorobenzene	ND		200	39	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Hexachlorobutadiene	ND		200	30	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Hexachloroethane	ND		200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Indeno[1,2,3-cd]pyrene	150	J	200	30	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Isophorone	ND		200	41	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Naphthalene	33	J	200	33	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Nitrobenzene	ND		200	34	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Pentachlorophenol	ND		390	64	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Phenanthrene	850		200	37	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Phenol	ND		200	36	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1
Pyrene	840		200	38	ug/Kg	✱	06/05/25 13:46	06/06/25 14:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4000	T J	ug/Kg	✱	3.27	N/A	06/05/25 13:46	06/06/25 14:15	1
Pentadecane, 2,6,10,14-tetramethyl-	330	T J N	ug/Kg	✱	10.31	1921-70-6	06/05/25 13:46	06/06/25 14:15	1
Octacosane	380	T J N	ug/Kg	✱	13.10	630-02-4	06/05/25 13:46	06/06/25 14:15	1
Nonadecane, 1-chloro-	580	T J N	ug/Kg	✱	13.64	62016-76-6	06/05/25 13:46	06/06/25 14:15	1
1-Docosanol	400	T J N	ug/Kg	✱	14.15	661-19-8	06/05/25 13:46	06/06/25 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		22 - 120	06/05/25 13:46	06/06/25 14:15	1
p-Terphenyl-d14 (Surr)	75		28 - 124	06/05/25 13:46	06/06/25 14:15	1
Phenol-d5 (Surr)	66		23 - 120	06/05/25 13:46	06/06/25 14:15	1
2-Fluorophenol (Surr)	62		18 - 120	06/05/25 13:46	06/06/25 14:15	1
2,4,6-Tribromophenol (Surr)	61		10 - 140	06/05/25 13:46	06/06/25 14:15	1
2-Fluorobiphenyl (Surr)	70		29 - 120	06/05/25 13:46	06/06/25 14:15	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.76	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
4,4'-DDT	3.1	J	3.9	0.91	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
beta-BHC	ND		3.9	0.70	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
cis-Chlordane	ND		3.9	1.9	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
alpha-BHC	ND		3.9	0.70	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Aldrin	ND		3.9	0.96	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
delta-BHC	ND		3.9	0.73	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Dieldrin	ND		3.9	0.94	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endosulfan I	ND		3.9	0.75	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endosulfan II	ND		3.9	0.70	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endrin	ND		3.9	0.77	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1
Endrin ketone	ND		3.9	0.96	ug/Kg	✱	06/03/25 13:31	06/04/25 11:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1
Heptachlor	ND		3.9	0.84	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1
Methoxychlor	ND		3.9	0.80	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1
Toxaphene	ND		39	23	ug/Kg	☆	06/03/25 13:31	06/04/25 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		45 - 120	06/03/25 13:31	06/04/25 11:31	1
DCB Decachlorobiphenyl	56		45 - 120	06/03/25 13:31	06/04/25 11:31	1
Tetrachloro-m-xylene	45		30 - 124	06/03/25 13:31	06/04/25 11:31	1
Tetrachloro-m-xylene	43		30 - 124	06/03/25 13:31	06/04/25 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1221	ND		0.24	0.047	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1232	ND		0.24	0.047	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1242	ND		0.24	0.047	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1248	ND		0.24	0.047	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1254	ND		0.24	0.11	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1
PCB-1260	ND		0.24	0.11	mg/Kg	☆	06/03/25 06:25	06/03/25 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	06/03/25 06:25	06/03/25 21:04	1
Tetrachloro-m-xylene	111		60 - 154	06/03/25 06:25	06/03/25 21:04	1
DCB Decachlorobiphenyl	124		65 - 174	06/03/25 06:25	06/03/25 21:04	1
DCB Decachlorobiphenyl	114		65 - 174	06/03/25 06:25	06/03/25 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 13:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.20	0.090	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	06/04/25 07:16	06/05/25 13:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	117		8 - 130				06/04/25 07:16	06/05/25 13:42	1
13C5-PFPeA	117		35 - 130				06/04/25 07:16	06/05/25 13:42	1
13C5-PFHxA	118		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C4-PFHpA	113		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C8-PFOA	114		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C9-PFNA	106		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C6-PFDA	96.2		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C7-PFUnA	90.5		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C2-PFTeDA	97.1		20 - 130				06/04/25 07:16	06/05/25 13:42	1
13C3-PFBS	115		40 - 135				06/04/25 07:16	06/05/25 13:42	1
13C3-PFHxS	101		40 - 130				06/04/25 07:16	06/05/25 13:42	1
13C8-PFOS	86.3		40 - 130				06/04/25 07:16	06/05/25 13:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8-PFOSA	107		40 - 130	06/04/25 07:16	06/05/25 13:42	1
d3-NMeFOSAA	104		40 - 135	06/04/25 07:16	06/05/25 13:42	1
d5-NEtFOSAA	95.6		40 - 150	06/04/25 07:16	06/05/25 13:42	1
13C2 6:2 FTS	164		40 - 215	06/04/25 07:16	06/05/25 13:42	1
13C2 8:2 FTS	135		40 - 275	06/04/25 07:16	06/05/25 13:42	1
13C3-HFPO-DA	113		40 - 130	06/04/25 07:16	06/05/25 13:42	1
D7-NMeFOSE	32.9		20 - 130	06/04/25 07:16	06/05/25 13:42	1
D9-NEtFOSE	19.4		15 - 130	06/04/25 07:16	06/05/25 13:42	1
d5-NEtPFOSA	75.5		10 - 130	06/04/25 07:16	06/05/25 13:42	1
d3-NMePFOSA	82.9		10 - 130	06/04/25 07:16	06/05/25 13:42	1
13C2 PFDaA	84.4		40 - 130	06/04/25 07:16	06/05/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	06/06/25 08:18	06/09/25 14:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	97.3		40 - 165				06/06/25 08:18	06/09/25 14:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8120		11.6	10	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Antimony	2.2	J	17.3	0.61	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Arsenic	19.1		2.3	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Barium	367		0.58	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Beryllium	0.65		0.23	0.046	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Cadmium	0.31		0.23	0.081	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Calcium	7840		57.8	31.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Chromium	14.9		0.58	0.42	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Cobalt	8.0		0.58	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Copper	57.7		1.2	0.66	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Iron	31500		11.6	9.8	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Lead	674		1.2	0.53	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Magnesium	1210		23.1	9.8	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Manganese	446		1.2	0.32	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Nickel	16.4	^5-	5.8	0.29	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Potassium	1230		34.7	28.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Selenium	1.1	J	4.6	0.92	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Silver	ND	^5-	0.69	0.23	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Sodium	230		162	70.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Thallium	ND	*+	6.9	0.88	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Vanadium	26.8		0.58	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 15:52	1
Zinc	249	^5-	11.6	5.9	mg/Kg	☆	06/02/25 15:39	06/06/25 11:55	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.024	0.0055	mg/Kg	☆	06/02/25 13:35	06/02/25 16:26	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Date Collected: 05/30/25 09:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-26

Matrix: Solid

Percent Solids: 84.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.57	mg/Kg	☆	06/05/25 12:02	06/05/25 16:22	1

Client Sample ID: RI-BH-12 Native

Date Collected: 05/30/25 09:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-27

Matrix: Solid

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.9	0.43	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,1,2,2-Tetrachloroethane	ND	vs	5.9	0.96	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.3	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,1,2-Trichloroethane	ND	vs	5.9	0.77	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,1-Dichloroethane	ND	vs	5.9	0.72	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,1-Dichloroethene	ND	vs	5.9	0.72	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2,4-Trichlorobenzene	ND	vs	5.9	0.36	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.9	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2-Dichlorobenzene	ND	vs	5.9	0.46	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2-Dichloropropane	ND	vs	5.9	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,3-Dichlorobenzene	ND	vs	5.9	0.30	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,4-Dichlorobenzene	ND	vs	5.9	0.82	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
2-Butanone (MEK)	ND	vs	29	2.2	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Acetone	8.9	J vs	29	5.0	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Benzene	ND	vs	5.9	0.29	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Bromoform	ND	vs	5.9	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Carbon disulfide	ND	vs	5.9	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Carbon tetrachloride	ND	vs	5.9	0.57	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Chlorobenzene	ND	vs	5.9	0.78	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Dibromochloromethane	ND	vs	5.9	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Chloroform	ND	vs	5.9	0.36	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Cyclohexane	ND	*+ vs	5.9	0.82	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Bromodichloromethane	ND	vs	5.9	0.79	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Ethylbenzene	ND	vs	5.9	0.41	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
1,2-Dibromoethane	ND	vs	5.9	0.76	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Isopropylbenzene	ND	*+ vs	5.9	0.89	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Methyl acetate	ND	vs	29	3.6	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Methylcyclohexane	ND	vs	5.9	0.90	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Methylene Chloride	ND	vs	5.9	2.7	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Tetrachloroethene	ND	vs	5.9	0.79	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
Toluene	ND	vs	5.9	0.45	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
trans-1,2-Dichloroethene	1.1	J vs	5.9	0.61	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1
trans-1,3-Dichloropropene	ND	vs	5.9	2.6	ug/Kg	☆	06/04/25 18:51	06/04/25 22:44	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1
Vinyl chloride	ND	vs	5.9	0.72	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1
Xylenes, Total	ND	vs	12	0.99	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.85	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1
Styrene	ND	vs	5.9	0.29	ug/Kg	☼	06/04/25 18:51	06/04/25 22:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/04/25 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	06/04/25 18:51	06/04/25 22:44	1
4-Bromofluorobenzene (Surr)	94		72 - 126	06/04/25 18:51	06/04/25 22:44	1
Toluene-d8 (Surr)	100		71 - 125	06/04/25 18:51	06/04/25 22:44	1
Dibromofluoromethane (Surr)	101		60 - 140	06/04/25 18:51	06/04/25 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
1,4-Dioxane	ND		120	44	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4-Dinitrophenol	ND		1900	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2,6-Dinitrotoluene	ND	*-	200	28	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Chloronaphthalene	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Methylnaphthalene	ND	*-	200	31	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Methylphenol	ND		200	32	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4,6-Dinitro-2-methylphenol	ND		390	43	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Bromophenyl phenyl ether	ND	*-	200	34	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Chloroaniline	ND	*-	200	28	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Chlorophenyl phenyl ether	ND	*-	200	42	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Methylphenol	ND		390	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
4-Nitrophenol	ND		390	54	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Acenaphthene	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Acenaphthylene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Acetophenone	ND		200	35	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Anthracene	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Atrazine	ND		200	67	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND	*-	200	27	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Benzo[b]fluoranthene	ND	*-	200	27	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Benzo[g,h,i]perylene	ND	*-	200	35	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Bis(2-ethylhexyl) phthalate	ND	*-	200	43	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Butyl benzyl phthalate	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Caprolactam	ND	*-	200	46	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Carbazole	ND	*-	200	39	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Chrysene	ND	*-	200	48	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Dibenz(a,h)anthracene	ND	*-	200	40	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Dibenzofuran	ND	*-	200	35	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Dimethyl phthalate	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Di-n-butyl phthalate	ND	*-	200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Di-n-octyl phthalate	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Fluoranthene	ND	*-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Fluorene	ND	*-	200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Hexachlorobenzene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Hexachloroethane	ND		200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Indeno[1,2,3-cd]pyrene	ND	*-	200	30	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Isophorone	ND	*-	200	41	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Naphthalene	ND		200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Nitrobenzene	ND		200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
N-Nitrosodiphenylamine	ND	*-	200	33	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Phenanthrene	ND	*-	200	37	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Phenol	ND		200	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1
Pyrene	ND	*-	200	38	ug/Kg	☼	06/03/25 06:42	06/04/25 23:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	15000	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/04/25 23:13	1
Unknown	1400	T J	ug/Kg	☼	3.27	N/A	06/03/25 06:42	06/04/25 23:13	1
Unknown	440	T J	ug/Kg	☼	7.70	N/A	06/03/25 06:42	06/04/25 23:13	1
Tridecane	1000	T J N	ug/Kg	☼	7.89	629-50-5	06/03/25 06:42	06/04/25 23:13	1
Tetradecane	1200	T J N	ug/Kg	☼	8.56	629-59-4	06/03/25 06:42	06/04/25 23:13	1
Pentadecane, 7-methyl-	440	T J N	ug/Kg	☼	8.94	6165-40-8	06/03/25 06:42	06/04/25 23:13	1
Hexadecane	1200	T J N	ug/Kg	☼	9.77	544-76-3	06/03/25 06:42	06/04/25 23:13	1
Unknown	930	T J	ug/Kg	☼	10.02	N/A	06/03/25 06:42	06/04/25 23:13	1
Cyclohexane, octyl-	480	T J N	ug/Kg	☼	10.12	1795-15-9	06/03/25 06:42	06/04/25 23:13	1
Heptadecane	1800	T J N	ug/Kg	☼	10.29	629-78-7	06/03/25 06:42	06/04/25 23:13	1
Pentadecane	1300	T J N	ug/Kg	☼	10.76	629-62-9	06/03/25 06:42	06/04/25 23:13	1
Nonadecane	1300	T J N	ug/Kg	☼	11.18	629-92-5	06/03/25 06:42	06/04/25 23:13	1
Eicosane	1000	T J N	ug/Kg	☼	11.56	112-95-8	06/03/25 06:42	06/04/25 23:13	1
Heneicosane	1000	T J N	ug/Kg	☼	11.91	629-94-7	06/03/25 06:42	06/04/25 23:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Docosane	960	T J N	ug/Kg	☼	12.24	629-97-0	06/03/25 06:42	06/04/25 23:13	1
Heptacosane	700	T J N	ug/Kg	☼	12.54	593-49-7	06/03/25 06:42	06/04/25 23:13	1
Tetracosane	750	T J N	ug/Kg	☼	12.83	646-31-1	06/03/25 06:42	06/04/25 23:13	1
Tridecane, 7-hexyl-	650	T J N	ug/Kg	☼	13.11	7225-66-3	06/03/25 06:42	06/04/25 23:13	1
Hexacosane	720	T J N	ug/Kg	☼	13.37	630-01-3	06/03/25 06:42	06/04/25 23:13	1
Docosane, 11-butyl-	530	T J N	ug/Kg	☼	13.64	13475-76-8	06/03/25 06:42	06/04/25 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	52		22 - 120	06/03/25 06:42	06/04/25 23:13	1
p-Terphenyl-d14 (Surr)	65		28 - 124	06/03/25 06:42	06/04/25 23:13	1
Phenol-d5 (Surr)	55		23 - 120	06/03/25 06:42	06/04/25 23:13	1
2-Fluorophenol (Surr)	50		18 - 120	06/03/25 06:42	06/04/25 23:13	1
2,4,6-Tribromophenol (Surr)	57		10 - 140	06/03/25 06:42	06/04/25 23:13	1
2-Fluorobiphenyl (Surr)	60		29 - 120	06/03/25 06:42	06/04/25 23:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
1,4-Dioxane	ND		120	44	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4,6-Trichlorophenol	ND		200	31	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Chloronaphthalene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Chlorophenol	ND		200	32	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Methylnaphthalene	ND		200	32	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Methylphenol	ND		200	33	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
3-Nitroaniline	ND *		390	28	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Chloroaniline	ND *		200	29	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Methylphenol	ND		390	36	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Nitroaniline	ND		390	30	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
4-Nitrophenol	ND		390	55	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Acenaphthene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Acenaphthylene	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Acetophenone	ND		200	35	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Anthracene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Atrazine	ND		200	68	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Benzaldehyde	ND		200	150	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		200	28	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Bis(2-chloroethoxy)methane	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Caprolactam	ND		200	47	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Carbazole	ND		200	40	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Chrysene	ND		200	48	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Dibenzofuran	ND		200	35	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Dimethyl phthalate	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Fluoranthene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Fluorene	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Hexachlorobenzene	ND		200	39	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Hexachlorocyclopentadiene	ND		390	88	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Hexachloroethane	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Isophorone	ND		200	41	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Naphthalene	ND		200	33	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Nitrobenzene	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Pentachlorophenol	ND		390	64	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Phenanthrene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Phenol	ND		200	37	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1
Pyrene	ND		200	38	ug/Kg	☼	06/05/25 13:46	06/06/25 14:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	9000	T J	ug/Kg	☼	1.89	N/A	06/05/25 13:46	06/06/25 14:46	1
Unknown	2000	T J	ug/Kg	☼	3.26	N/A	06/05/25 13:46	06/06/25 14:46	1
Unknown	550	T J	ug/Kg	☼	7.69	N/A	06/05/25 13:46	06/06/25 14:46	1
Tridecane	730	T J N	ug/Kg	☼	7.89	629-50-5	06/05/25 13:46	06/06/25 14:46	1
Tetradecane	860	T J N	ug/Kg	☼	8.56	629-59-4	06/05/25 13:46	06/06/25 14:46	1
Hexadecane	430	T J N	ug/Kg	☼	8.94	544-76-3	06/05/25 13:46	06/06/25 14:46	1
Octacosane	950	T J N	ug/Kg	☼	9.76	630-02-4	06/05/25 13:46	06/06/25 14:46	1
Tridecane, 7-hexyl-	720	T J N	ug/Kg	☼	10.02	7225-66-3	06/05/25 13:46	06/06/25 14:46	1
Heptadecane	1300	T J N	ug/Kg	☼	10.29	629-78-7	06/05/25 13:46	06/06/25 14:46	1
Pentadecane, 2,6,10,14-tetramethyl-	1100	T J N	ug/Kg	☼	10.31	1921-70-6	06/05/25 13:46	06/06/25 14:46	1
Eicosane	1100	T J N	ug/Kg	☼	10.76	112-95-8	06/05/25 13:46	06/06/25 14:46	1
Nonadecane	1100	T J N	ug/Kg	☼	11.18	629-92-5	06/05/25 13:46	06/06/25 14:46	1
Octadecane	970	T J N	ug/Kg	☼	11.56	593-45-3	06/05/25 13:46	06/06/25 14:46	1
Heneicosane	830	T J N	ug/Kg	☼	11.91	629-94-7	06/05/25 13:46	06/06/25 14:46	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Heptacosane	820	T J N	ug/Kg	⊛	12.24	593-49-7	06/05/25 13:46	06/06/25 14:46	1
Dodecane, 2-methyl-6-propyl-	680	T J N	ug/Kg	⊛	12.54	55045-08-4	06/05/25 13:46	06/06/25 14:46	1
Tetracosane	650	T J N	ug/Kg	⊛	12.83	646-31-1	06/05/25 13:46	06/06/25 14:46	1
Docosane	570	T J N	ug/Kg	⊛	13.11	629-97-0	06/05/25 13:46	06/06/25 14:46	1
Heptadecane, 9-octyl-	510	T J N	ug/Kg	⊛	13.38	7225-64-1	06/05/25 13:46	06/06/25 14:46	1
Hexatriacontane	410	T J N	ug/Kg	⊛	13.63	630-06-8	06/05/25 13:46	06/06/25 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		22 - 120	06/05/25 13:46	06/06/25 14:46	1
p-Terphenyl-d14 (Surr)	82		28 - 124	06/05/25 13:46	06/06/25 14:46	1
Phenol-d5 (Surr)	76		23 - 120	06/05/25 13:46	06/06/25 14:46	1
2-Fluorophenol (Surr)	73		18 - 120	06/05/25 13:46	06/06/25 14:46	1
2,4,6-Tribromophenol (Surr)	83		10 - 140	06/05/25 13:46	06/06/25 14:46	1
2-Fluorobiphenyl (Surr)	79		29 - 120	06/05/25 13:46	06/06/25 14:46	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.0	0.77	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
4,4'-DDE	ND		4.0	0.83	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
4,4'-DDT	ND		4.0	0.92	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
beta-BHC	ND		4.0	0.71	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
cis-Chlordane	ND		4.0	2.0	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
alpha-BHC	ND		4.0	0.71	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Aldrin	ND		4.0	0.97	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
delta-BHC	ND		4.0	0.73	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Dieldrin	ND		4.0	0.95	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endosulfan I	ND		4.0	0.76	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endosulfan II	ND		4.0	0.71	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endosulfan sulfate	ND		4.0	0.74	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endrin	ND		4.0	0.78	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endrin aldehyde	ND		4.0	1.0	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Endrin ketone	ND		4.0	0.97	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
gamma-BHC (Lindane)	ND		4.0	0.72	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
trans-Chlordane	ND		4.0	1.3	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Heptachlor	ND		4.0	0.85	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Heptachlor epoxide	ND		4.0	1.0	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Methoxychlor	ND		4.0	0.81	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1
Toxaphene	ND		40	23	ug/Kg	⊛	06/03/25 13:31	06/04/25 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		45 - 120	06/03/25 13:31	06/04/25 11:51	1
DCB Decachlorobiphenyl	69		45 - 120	06/03/25 13:31	06/04/25 11:51	1
Tetrachloro-m-xylene	48		30 - 124	06/03/25 13:31	06/04/25 11:51	1
Tetrachloro-m-xylene	46		30 - 124	06/03/25 13:31	06/04/25 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	⊛	06/03/25 06:25	06/03/25 21:23	1
PCB-1221	ND		0.21	0.041	mg/Kg	⊛	06/03/25 06:25	06/03/25 21:23	1
PCB-1232	ND		0.21	0.041	mg/Kg	⊛	06/03/25 06:25	06/03/25 21:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:23	1
PCB-1248	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:23	1
PCB-1254	ND		0.21	0.098	mg/Kg	✱	06/03/25 06:25	06/03/25 21:23	1
PCB-1260	ND		0.21	0.098	mg/Kg	✱	06/03/25 06:25	06/03/25 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154				06/03/25 06:25	06/03/25 21:23	1
Tetrachloro-m-xylene	113		60 - 154				06/03/25 06:25	06/03/25 21:23	1
DCB Decachlorobiphenyl	122		65 - 174				06/03/25 06:25	06/03/25 21:23	1
DCB Decachlorobiphenyl	119		65 - 174				06/03/25 06:25	06/03/25 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.078	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	06/04/25 07:16	06/05/25 13:56	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.20	0.088	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.078	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.049	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	06/04/25 07:16	06/05/25 13:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	96.3		8 - 130	06/04/25 07:16	06/05/25 13:56	1
13C5-PFPeA	97.0		35 - 130	06/04/25 07:16	06/05/25 13:56	1
13C5-PFHxA	91.7		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C4-PFHpA	90.5		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C8-PFOA	84.9		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C9-PFNA	93.3		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C6-PFDA	80.2		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C7-PFUnA	83.6		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C2-PFTeDA	76.6		20 - 130	06/04/25 07:16	06/05/25 13:56	1
13C3-PFBS	88.9		40 - 135	06/04/25 07:16	06/05/25 13:56	1
13C3-PFHxS	81.4		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C8-PFOS	77.3		40 - 130	06/04/25 07:16	06/05/25 13:56	1
13C8-PFOSA	83.6		40 - 130	06/04/25 07:16	06/05/25 13:56	1
d3-NMeFOSAA	82.4		40 - 135	06/04/25 07:16	06/05/25 13:56	1
d5-NEtFOSAA	72.2		40 - 150	06/04/25 07:16	06/05/25 13:56	1
13C2 4:2 FTS	96.2		40 - 165	06/04/25 07:16	06/05/25 13:56	1
13C2 6:2 FTS	93.3		40 - 215	06/04/25 07:16	06/05/25 13:56	1
13C2 8:2 FTS	83.7		40 - 275	06/04/25 07:16	06/05/25 13:56	1
13C3-HFPO-DA	92.5		40 - 130	06/04/25 07:16	06/05/25 13:56	1
D7-NMeFOSE	42.7		20 - 130	06/04/25 07:16	06/05/25 13:56	1
D9-NEtFOSE	32.7		15 - 130	06/04/25 07:16	06/05/25 13:56	1
d5-NEtPFOSA	61.5		10 - 130	06/04/25 07:16	06/05/25 13:56	1
d3-NMePFOSA	65.5		10 - 130	06/04/25 07:16	06/05/25 13:56	1
13C2 PFDaA	76.4		40 - 130	06/04/25 07:16	06/05/25 13:56	1

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Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12500		11.6	10.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Antimony	1.0	J	17.5	0.62	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Arsenic	5.4		2.3	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Barium	108		0.58	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Beryllium	0.78		0.23	0.047	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Cadmium	0.15	J	0.23	0.081	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Calcium	1940		58.2	31.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Chromium	16.9		0.58	0.42	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Cobalt	10.4		0.58	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Copper	27.1		1.2	0.66	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Iron	22000		11.6	9.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Lead	20.9		1.2	0.54	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Magnesium	3530		23.3	9.9	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Manganese	200		1.2	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Nickel	26.9	^5-	5.8	0.29	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Potassium	3020		34.9	28.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Selenium	1.3	J	4.7	0.93	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Silver	ND	^5-	0.70	0.23	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Sodium	90.9	J	163	71.4	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Thallium	ND	*+	7.0	0.88	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Vanadium	21.5		0.58	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1
Zinc	67.7	^5-	2.3	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J	0.025	0.0057	mg/Kg	☆	06/02/25 13:35	06/02/25 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.53	mg/Kg	☆	06/05/25 12:02	06/05/25 16:22	1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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	5.8	0.42	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.93	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,1,2-Trichloroethane	ND	vs	5.8	0.75	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,1-Dichloroethane	ND	vs	5.8	0.70	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	☆	06/04/25 18:51	06/04/25 23:08	1

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Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Acetone	ND	vs	29	4.9	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Benzene	ND	vs	5.8	0.28	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Chlorobenzene	ND	vs	5.8	0.76	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Cyclohexane	ND	*+ vs	5.8	0.81	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Bromodichloromethane	ND	vs	5.8	0.77	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
1,2-Dibromoethane	ND	vs	5.8	0.74	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Isopropylbenzene	ND	*+ vs	5.8	0.87	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Methylene Chloride	6.2	vs	5.8	2.7	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Tetrachloroethene	ND	vs	5.8	0.77	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Toluene	ND	vs	5.8	0.44	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
trans-1,2-Dichloroethene	3.3	J vs	5.8	0.59	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.5	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Trichloroethene	ND	vs	5.8	1.3	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Vinyl chloride	ND	vs	5.8	0.70	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Xylenes, Total	ND	vs	12	0.97	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.83	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1
Styrene	ND	vs	5.8	0.29	ug/Kg	☼	06/04/25 18:51	06/04/25 23:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/04/25 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/04/25 18:51	06/04/25 23:08	1
4-Bromofluorobenzene (Surr)	95		72 - 126	06/04/25 18:51	06/04/25 23:08	1
Toluene-d8 (Surr)	100		71 - 125	06/04/25 18:51	06/04/25 23:08	1
Dibromofluoromethane (Surr)	99		60 - 140	06/04/25 18:51	06/04/25 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	190	36	ug/Kg	☼	06/03/25 06:42	06/04/25 23:39	1
1,4-Dioxane	ND		110	42	ug/Kg	☼	06/03/25 06:42	06/04/25 23:39	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	06/03/25 06:42	06/04/25 23:39	1

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Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2,6-Dinitrotoluene	ND	*-	190	27	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Chloronaphthalene	ND	*-	190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Chlorophenol	ND		190	30	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Methylnaphthalene	99	J *-	190	30	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Methylphenol	ND		190	31	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Nitroaniline	ND		370	33	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
2-Nitrophenol	ND		190	22	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
3-Nitroaniline	ND		370	27	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Bromophenyl phenyl ether	ND	*-	190	33	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Chloroaniline	ND	*-	190	28	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Chlorophenyl phenyl ether	ND	*-	190	40	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Methylphenol	ND		370	34	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Nitroaniline	ND		370	28	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
4-Nitrophenol	ND		370	52	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Acenaphthene	140	J *-	190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Acenaphthylene	ND	*-	190	37	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Acetophenone	ND		190	34	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Anthracene	350	*-	190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Atrazine	ND		190	65	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzaldehyde	ND		190	150	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzo[a]anthracene	1000	*-	190	26	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzo[a]pyrene	850		190	33	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzo[b]fluoranthene	1100	*-	190	26	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzo[g,h,i]perylene	490	*-	190	33	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Benzo[k]fluoranthene	460		190	43	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Bis(2-ethylhexyl) phthalate	ND	*-	190	42	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Butyl benzyl phthalate	ND	*-	190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Caprolactam	ND	*-	190	44	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Carbazole	120	J *-	190	38	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Chrysene	1000	*-	190	46	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Dibenz(a,h)anthracene	160	J *-	190	39	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Dibenzofuran	93	J *-	190	34	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Diethyl phthalate	ND		190	34	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Dimethyl phthalate	ND	*-	190	37	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Di-n-butyl phthalate	ND	*-	190	43	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Di-n-octyl phthalate	ND	*-	190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Fluoranthene	2100	*-	190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Fluorene	110	J *-	190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	*-	190	37	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Hexachlorobutadiene	ND		190	29	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Hexachlorocyclopentadiene	ND		370	84	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Hexachloroethane	ND		190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Indeno[1,2,3-cd]pyrene	390	*-	190	29	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Isophorone	ND	*-	190	39	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Naphthalene	58	J	190	32	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Nitrobenzene	ND		190	32	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
N-Nitrosodiphenylamine	ND	*-	190	32	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Pentachlorophenol	ND		370	61	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Phenanthrene	1500	*-	190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Phenol	ND		190	35	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1
Pyrene	1800	*-	190	36	ug/Kg	✱	06/03/25 06:42	06/04/25 23:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8400	T J	ug/Kg	✱	1.89	N/A	06/03/25 06:42	06/04/25 23:39	1
Unknown	1600	T J	ug/Kg	✱	3.28	N/A	06/03/25 06:42	06/04/25 23:39	1
Heptadecane, 2,6-dimethyl-	350	T J N	ug/Kg	✱	10.31	54105-67-8	06/03/25 06:42	06/04/25 23:39	1
Anthracene, 2-methyl-	370	T J N	ug/Kg	✱	11.33	613-12-7	06/03/25 06:42	06/04/25 23:39	1
4H-Cyclopenta[def]phenanthrene	450	T J N	ug/Kg	✱	11.40	203-64-5	06/03/25 06:42	06/04/25 23:39	1
Unknown	310	T J	ug/Kg	✱	11.59	N/A	06/03/25 06:42	06/04/25 23:39	1
Unknown	320	T J	ug/Kg	✱	12.54	N/A	06/03/25 06:42	06/04/25 23:39	1
Unknown	400	T J	ug/Kg	✱	13.64	N/A	06/03/25 06:42	06/04/25 23:39	1
Benzo[e]pyrene	480	T J N	ug/Kg	✱	14.26	192-97-2	06/03/25 06:42	06/04/25 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	58		22 - 120	06/03/25 06:42	06/04/25 23:39	1
p-Terphenyl-d14 (Surr)	76		28 - 124	06/03/25 06:42	06/04/25 23:39	1
Phenol-d5 (Surr)	62		23 - 120	06/03/25 06:42	06/04/25 23:39	1
2-Fluorophenol (Surr)	56		18 - 120	06/03/25 06:42	06/04/25 23:39	1
2,4,6-Tribromophenol (Surr)	74		10 - 140	06/03/25 06:42	06/04/25 23:39	1
2-Fluorobiphenyl (Surr)	65		29 - 120	06/03/25 06:42	06/04/25 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	39	J	190	36	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
1,4-Dioxane	ND		110	43	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
bis (2-chloroisopropyl) ether	ND		190	40	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4-Dimethylphenol	ND		190	41	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2,6-Dinitrotoluene	ND		190	28	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2-Chloronaphthalene	ND		190	36	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2-Chlorophenol	ND		190	30	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2-Methylnaphthalene	330		190	30	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2-Methylphenol	ND		190	31	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		380	33	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
2-Nitrophenol	ND		190	22	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
3-Nitroaniline	ND	*-	380	27	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4,6-Dinitro-2-methylphenol	ND		380	42	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Chloro-3-methylphenol	ND		190	40	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Chloroaniline	ND	*-	190	28	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Chlorophenyl phenyl ether	ND		190	41	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Methylphenol	ND		380	35	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Nitroaniline	ND		380	28	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
4-Nitrophenol	ND		380	53	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Acenaphthene	ND		190	36	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Acenaphthylene	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Acetophenone	ND		190	34	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Anthracene	38	J	190	36	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Atrazine	ND		190	65	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzaldehyde	ND		190	150	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzo[a]anthracene	160	J	190	27	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzo[a]pyrene	120	J	190	33	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzo[b]fluoranthene	220		190	26	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzo[g,h,i]perylene	85	J	190	34	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Benzo[k]fluoranthene	68	J	190	43	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Bis(2-chloroethyl)ether	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Butyl benzyl phthalate	ND		190	36	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Caprolactam	ND		190	45	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Carbazole	ND		190	38	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Chrysene	210		190	47	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Dibenzofuran	100	J	190	34	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Diethyl phthalate	ND		190	35	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Dimethyl phthalate	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Di-n-octyl phthalate	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Fluoranthene	280		190	35	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Fluorene	ND		190	35	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Hexachlorobenzene	ND		190	37	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Hexachlorobutadiene	ND		190	29	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Hexachloroethane	ND		190	35	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Indeno[1,2,3-cd]pyrene	68	J	190	29	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Isophorone	ND		190	40	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Naphthalene	210		190	32	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Nitrobenzene	ND		190	32	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1
Pentachlorophenol	ND		380	62	ug/Kg	✱	06/05/25 13:46	06/06/25 15:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	390		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 15:12	1
Phenol	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 15:12	1
Pyrene	260		190	37	ug/Kg	☼	06/05/25 13:46	06/06/25 15:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	10000	T J	ug/Kg	☼	1.89	N/A	06/05/25 13:46	06/06/25 15:12	1
Unknown	2500	T J	ug/Kg	☼	3.27	N/A	06/05/25 13:46	06/06/25 15:12	1
Pentadecane, 2,6,10,14-tetramethyl-	340	T J N	ug/Kg	☼	10.31	1921-70-6	06/05/25 13:46	06/06/25 15:12	1
Phenanthrene, 4-methyl-	370	T J N	ug/Kg	☼	11.40	832-64-4	06/05/25 13:46	06/06/25 15:12	1
(Z)14-Tricosenyl formate	500	T J N	ug/Kg	☼	14.00	77899-10-6	06/05/25 13:46	06/06/25 15:12	1
Eicosane	340	T J N	ug/Kg	☼	14.13	112-95-8	06/05/25 13:46	06/06/25 15:12	1
Trifluoroacetic acid, n-octadecyl ester	820	T J N	ug/Kg	☼	14.15	1000216-79-4	06/05/25 13:46	06/06/25 15:12	1
Hexacosane	390	T J N	ug/Kg	☼	14.63	630-01-3	06/05/25 13:46	06/06/25 15:12	1
Unknown	550	T J	ug/Kg	☼	15.40	N/A	06/05/25 13:46	06/06/25 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		22 - 120	06/05/25 13:46	06/06/25 15:12	1
p-Terphenyl-d14 (Surr)	61		28 - 124	06/05/25 13:46	06/06/25 15:12	1
Phenol-d5 (Surr)	66		23 - 120	06/05/25 13:46	06/06/25 15:12	1
2-Fluorophenol (Surr)	61		18 - 120	06/05/25 13:46	06/06/25 15:12	1
2,4,6-Tribromophenol (Surr)	63		10 - 140	06/05/25 13:46	06/06/25 15:12	1
2-Fluorobiphenyl (Surr)	70		29 - 120	06/05/25 13:46	06/06/25 15:12	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.74	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
4,4'-DDE	ND		3.8	0.80	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
4,4'-DDT	3.2	J	3.8	0.89	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
beta-BHC	ND		3.8	0.69	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
alpha-BHC	ND		3.8	0.69	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Aldrin	ND		3.8	0.94	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
delta-BHC	ND		3.8	0.71	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Dieldrin	ND		3.8	0.92	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endosulfan I	ND		3.8	0.73	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endosulfan II	0.86	J	3.8	0.69	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endosulfan sulfate	ND		3.8	0.71	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endrin	ND		3.8	0.76	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endrin aldehyde	ND		3.8	0.97	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Endrin ketone	2.7	J	3.8	0.94	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
gamma-BHC (Lindane)	ND		3.8	0.70	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Heptachlor	ND		3.8	0.83	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Heptachlor epoxide	ND		3.8	0.98	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Methoxychlor	6.1	B	3.8	0.78	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1
Toxaphene	ND		38	22	ug/Kg	☼	06/03/25 13:31	06/04/25 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		45 - 120	06/03/25 13:31	06/04/25 12:10	1
DCB Decachlorobiphenyl	117		45 - 120	06/03/25 13:31	06/04/25 12:10	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		30 - 124	06/03/25 13:31	06/04/25 12:10	1
Tetrachloro-m-xylene	52		30 - 124	06/03/25 13:31	06/04/25 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1221	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1232	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1242	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1248	ND		0.21	0.041	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1254	ND		0.21	0.097	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1
PCB-1260	ND		0.21	0.097	mg/Kg	✱	06/03/25 06:25	06/03/25 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		60 - 154	06/03/25 06:25	06/03/25 21:41	1
Tetrachloro-m-xylene	111		60 - 154	06/03/25 06:25	06/03/25 21:41	1
DCB Decachlorobiphenyl	119		65 - 174	06/03/25 06:25	06/03/25 21:41	1
DCB Decachlorobiphenyl	114		65 - 174	06/03/25 06:25	06/03/25 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.30	J	0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	✱	06/04/25 07:16	06/05/25 14:10	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*-	0.20	0.090	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	06/04/25 07:16	06/05/25 14:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	97.5		8 - 130	06/04/25 07:16	06/05/25 14:10	1
13C5-PFPeA	99.1		35 - 130	06/04/25 07:16	06/05/25 14:10	1
13C5-PFHxA	96.1		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C4-PFHpA	91.8		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C8-PFOA	92.4		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C9-PFNA	92.1		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C6-PFDA	79.9		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C7-PFUnA	81.0		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C2-PFTeDA	69.1		20 - 130	06/04/25 07:16	06/05/25 14:10	1
13C3-PFBS	86.5		40 - 135	06/04/25 07:16	06/05/25 14:10	1
13C3-PFHxS	75.0		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C8-PFOS	73.4		40 - 130	06/04/25 07:16	06/05/25 14:10	1
13C8-PFOSA	78.8		40 - 130	06/04/25 07:16	06/05/25 14:10	1
d3-NMeFOSAA	80.0		40 - 135	06/04/25 07:16	06/05/25 14:10	1
d5-NEtFOSAA	79.4		40 - 150	06/04/25 07:16	06/05/25 14:10	1
13C2 4:2 FTS	103		40 - 165	06/04/25 07:16	06/05/25 14:10	1
13C2 6:2 FTS	96.9		40 - 215	06/04/25 07:16	06/05/25 14:10	1
13C2 8:2 FTS	76.1		40 - 275	06/04/25 07:16	06/05/25 14:10	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Lab Sample ID: 480-229829-28

Date Collected: 05/30/25 09:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 86.8

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-HFPO-DA	93.2		40 - 130	06/04/25 07:16	06/05/25 14:10	1
D7-NMeFOSE	26.1		20 - 130	06/04/25 07:16	06/05/25 14:10	1
D9-NEtFOSE	17.8		15 - 130	06/04/25 07:16	06/05/25 14:10	1
d5-NEtPFOSA	61.1		10 - 130	06/04/25 07:16	06/05/25 14:10	1
d3-NMePFOSA	62.0		10 - 130	06/04/25 07:16	06/05/25 14:10	1
13C2 PFDaA	74.7		40 - 130	06/04/25 07:16	06/05/25 14:10	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9850		11.8	10.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Antimony	1.7	J	17.6	0.62	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Arsenic	7.2		2.4	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Barium	90.1		0.59	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Beryllium	0.52		0.24	0.047	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Cadmium	0.23	J	0.24	0.082	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Calcium	14200		58.8	31.7	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Chromium	12.9		0.59	0.42	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Cobalt	7.8		0.59	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Copper	57.3		1.2	0.67	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Iron	19800		11.8	10	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Lead	110		1.2	0.54	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Magnesium	3170		23.5	10	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Manganese	297		1.2	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Nickel	17.4	^5-	5.9	0.29	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Potassium	1800		35.3	28.5	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Selenium	1.0	J	4.7	0.94	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Silver	ND	^5-	0.71	0.24	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Sodium	101	J	165	72.1	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Thallium	ND	*+	7.1	0.89	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Vanadium	22.2		0.59	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1
Zinc	105	^5-	2.4	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 15:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.69		0.023	0.0053	mg/Kg	☆	06/02/25 13:35	06/02/25 16:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.99	0.48	mg/Kg	☆	06/05/25 12:02	06/05/25 16:25	1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.40	ug/Kg	☆	06/03/25 18:54	06/04/25 02:33	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6	0.90	ug/Kg	☆	06/03/25 18:54	06/04/25 02:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	☆	06/03/25 18:54	06/04/25 02:33	1
1,1,2-Trichloroethane	ND	vs	5.6	0.72	ug/Kg	☆	06/03/25 18:54	06/04/25 02:33	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	☆	06/03/25 18:54	06/04/25 02:33	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	vs	5.6	0.68	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2,4-Trichlorobenzene	ND	vs	5.6	0.34	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6	2.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2-Dichlorobenzene	ND	vs	5.6	0.43	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2-Dichloroethane	ND	vs	5.6	0.28	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,3-Dichlorobenzene	ND	vs	5.6	0.29	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,4-Dichlorobenzene	ND	vs	5.6	0.78	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
2-Butanone (MEK)	ND	vs	28	2.0	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Acetone	9.8	J vs	28	4.7	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Benzene	ND	vs	5.6	0.27	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Bromoform	ND	vs	5.6	2.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Bromomethane	ND	vs	5.6	0.50	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Carbon disulfide	ND	vs	5.6	2.8	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Carbon tetrachloride	ND	vs	5.6	0.54	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Chlorobenzene	ND	vs	5.6	0.73	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Dibromochloromethane	ND	vs	5.6	0.71	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Chloroform	0.35	J vs	5.6	0.34	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
cis-1,2-Dichloroethene	ND	vs	5.6	0.71	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Cyclohexane	ND	vs	5.6	0.78	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Bromodichloromethane	ND	vs	5.6	0.74	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Ethylbenzene	ND	vs	5.6	0.38	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
1,2-Dibromoethane	ND	vs	5.6	0.71	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Isopropylbenzene	ND	vs	5.6	0.84	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Methylcyclohexane	ND	vs	5.6	0.84	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Methylene Chloride	32	vs	5.6	2.6	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Tetrachloroethene	ND	vs	5.6	0.75	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Toluene	ND	vs	5.6	0.42	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
trans-1,2-Dichloroethene	18	vs	5.6	0.57	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
trans-1,3-Dichloropropene	ND	vs	5.6	2.4	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Trichloroethene	ND	vs	5.6	1.2	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Xylenes, Total	ND	vs	11	0.93	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
cis-1,3-Dichloropropene	ND	vs	5.6	0.80	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1
Styrene	ND	vs	5.6	0.28	ug/Kg	☼	06/03/25 18:54	06/04/25 02:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/03/25 18:54	06/04/25 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	06/03/25 18:54	06/04/25 02:33	1
4-Bromofluorobenzene (Surr)	96		72 - 126	06/03/25 18:54	06/04/25 02:33	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		71 - 125	06/03/25 18:54	06/04/25 02:33	1
Dibromofluoromethane (Surr)	106		60 - 140	06/03/25 18:54	06/04/25 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*-	190	35	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
1,4-Dioxane	ND		110	41	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4,6-Trichlorophenol	ND		190	28	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4-Dichlorophenol	ND		190	36	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4-Dimethylphenol	ND		190	39	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4-Dinitrophenol	ND		1800	35	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,4-Dinitrotoluene	ND		190	25	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2,6-Dinitrotoluene	ND	*-	190	27	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Chloronaphthalene	ND	*-	190	35	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Chlorophenol	ND		190	29	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Methylnaphthalene	ND	*-	190	29	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Methylphenol	ND		190	30	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Nitroaniline	ND		360	32	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
2-Nitrophenol	ND		190	21	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
3,3'-Dichlorobenzidine	ND		360	54	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
3-Nitroaniline	ND		360	26	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4,6-Dinitro-2-methylphenol	ND		360	41	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Bromophenyl phenyl ether	ND	*-	190	32	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Chloro-3-methylphenol	ND		190	38	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Chloroaniline	ND	*-	190	27	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Chlorophenyl phenyl ether	ND	*-	190	39	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Methylphenol	ND		360	33	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Nitroaniline	ND		360	27	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
4-Nitrophenol	ND		360	51	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Acenaphthene	ND	*-	190	35	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Acenaphthylene	ND	*-	190	36	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Acetophenone	ND		190	33	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Anthracene	ND	*-	190	34	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Atrazine	ND		190	63	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzaldehyde	ND		190	140	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzo[a]anthracene	ND	*-	190	26	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzo[a]pyrene	ND		190	32	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzo[b]fluoranthene	ND	*-	190	25	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzo[g,h,i]perylene	ND	*-	190	32	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Benzo[k]fluoranthene	ND		190	42	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Bis(2-ethylhexyl) phthalate	ND	*-	190	40	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Butyl benzyl phthalate	ND	*-	190	34	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Caprolactam	ND	*-	190	43	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Carbazole	ND	*-	190	37	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1
Chrysene	ND	*-	190	45	ug/Kg	☆	06/03/25 06:42	06/05/25 00:07	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND	*-	190	38	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Dibenzofuran	ND	*-	190	33	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Diethyl phthalate	ND		190	33	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Dimethyl phthalate	ND	*-	190	36	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Di-n-butyl phthalate	ND	*-	190	42	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Di-n-octyl phthalate	ND	*-	190	35	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Fluoranthene	ND	*-	190	34	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Fluorene	ND	*-	190	34	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Hexachlorobenzene	ND	*-	190	36	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Hexachlorocyclopentadiene	ND		360	81	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Hexachloroethane	ND		190	34	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Indeno[1,2,3-cd]pyrene	ND	*-	190	28	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Isophorone	ND	*-	190	38	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Naphthalene	ND		190	31	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Nitrobenzene	ND		190	31	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
N-Nitrosodiphenylamine	ND	*-	190	31	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Pentachlorophenol	ND		360	59	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Phenanthrene	ND	*-	190	35	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Phenol	ND		190	34	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1
Pyrene	ND	*-	190	35	ug/Kg	☼	06/03/25 06:42	06/05/25 00:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8100	T J	ug/Kg	☼	1.89	N/A	06/03/25 06:42	06/05/25 00:07	1
Unknown	1400	T J	ug/Kg	☼	3.27	N/A	06/03/25 06:42	06/05/25 00:07	1
Tetradecane	400	T J N	ug/Kg	☼	8.56	629-59-4	06/03/25 06:42	06/05/25 00:07	1
Hexadecane	490	T J N	ug/Kg	☼	9.76	544-76-3	06/03/25 06:42	06/05/25 00:07	1
Pentadecane, 2,6,10-trimethyl-	340	T J N	ug/Kg	☼	10.02	3892-00-0	06/03/25 06:42	06/05/25 00:07	1
Heptadecane	690	T J N	ug/Kg	☼	10.29	629-78-7	06/03/25 06:42	06/05/25 00:07	1
Octadecane	530	T J N	ug/Kg	☼	10.76	593-45-3	06/03/25 06:42	06/05/25 00:07	1
Nonadecane	500	T J N	ug/Kg	☼	11.18	629-92-5	06/03/25 06:42	06/05/25 00:07	1
Eicosane	440	T J N	ug/Kg	☼	11.56	112-95-8	06/03/25 06:42	06/05/25 00:07	1
Heneicosane	400	T J N	ug/Kg	☼	11.91	629-94-7	06/03/25 06:42	06/05/25 00:07	1
Docosane	360	T J N	ug/Kg	☼	12.24	629-97-0	06/03/25 06:42	06/05/25 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	53		22 - 120	06/03/25 06:42	06/05/25 00:07	1
p-Terphenyl-d14 (Surr)	62		28 - 124	06/03/25 06:42	06/05/25 00:07	1
Phenol-d5 (Surr)	56		23 - 120	06/03/25 06:42	06/05/25 00:07	1
2-Fluorophenol (Surr)	52		18 - 120	06/03/25 06:42	06/05/25 00:07	1
2,4,6-Tribromophenol (Surr)	61		10 - 140	06/03/25 06:42	06/05/25 00:07	1
2-Fluorobiphenyl (Surr)	55		29 - 120	06/03/25 06:42	06/05/25 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
1,4-Dioxane	ND		110	42	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Chlorophenol	ND		190	30	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Methylnaphthalene	ND		190	30	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Methylphenol	ND		190	31	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Nitroaniline	ND		370	32	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
2-Nitrophenol	ND		190	21	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
3,3'-Dichlorobenzidine	ND		370	55	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
3-Nitroaniline	ND	*-	370	27	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4,6-Dinitro-2-methylphenol	ND		370	41	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Chloroaniline	ND	*-	190	27	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Methylphenol	ND		370	34	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Nitroaniline	ND		370	28	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
4-Nitrophenol	ND		370	52	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Acenaphthene	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Acenaphthylene	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Acetophenone	ND		190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Anthracene	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Atrazine	ND		190	64	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzaldehyde	ND		190	140	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzo[a]anthracene	ND		190	26	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzo[a]pyrene	ND		190	32	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzo[b]fluoranthene	ND		190	25	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzo[g,h,i]perylene	ND		190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Benzo[k]fluoranthene	ND		190	42	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Caprolactam	ND		190	44	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Carbazole	ND		190	37	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Chrysene	ND		190	45	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Dibenz(a,h)anthracene	ND		190	38	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Dibenzofuran	ND		190	33	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Diethyl phthalate	ND		190	34	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Dimethyl phthalate	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Fluoranthene	ND		190	34	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Fluorene	ND		190	35	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1
Hexachlorobenzene	ND		190	36	ug/Kg	☆	06/05/25 13:46	06/06/25 15:39	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Hexachlorocyclopentadiene	ND		370	83	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Hexachloroethane	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Indeno[1,2,3-cd]pyrene	ND		190	28	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Isophorone	ND		190	39	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Naphthalene	ND		190	31	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Nitrobenzene	ND		190	32	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Pentachlorophenol	ND		370	60	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Phenanthrene	ND		190	35	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Phenol	ND		190	34	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1
Pyrene	ND		190	36	ug/Kg	☼	06/05/25 13:46	06/06/25 15:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7500	T J	ug/Kg	☼	1.90	N/A	06/05/25 13:46	06/06/25 15:39	1
Unknown	2200	T J	ug/Kg	☼	3.27	N/A	06/05/25 13:46	06/06/25 15:39	1
Nonane, 2,6-dimethyl-	300	T J N	ug/Kg	☼	7.69	17302-28-2	06/05/25 13:46	06/06/25 15:39	1
Tridecane	390	T J N	ug/Kg	☼	7.89	629-50-5	06/05/25 13:46	06/06/25 15:39	1
Tetradecane	590	T J N	ug/Kg	☼	8.56	629-59-4	06/05/25 13:46	06/06/25 15:39	1
Unknown	320	T J	ug/Kg	☼	8.94	N/A	06/05/25 13:46	06/06/25 15:39	1
Hexadecane	670	T J N	ug/Kg	☼	9.76	544-76-3	06/05/25 13:46	06/06/25 15:39	1
Dodecane, 2,6,11-trimethyl-	500	T J N	ug/Kg	☼	10.02	31295-56-4	06/05/25 13:46	06/06/25 15:39	1
Heptadecane	810	T J N	ug/Kg	☼	10.29	629-78-7	06/05/25 13:46	06/06/25 15:39	1
Pentadecane, 2,6,10,14-tetramethyl-	650	T J N	ug/Kg	☼	10.31	1921-70-6	06/05/25 13:46	06/06/25 15:39	1
Heptadecane, 2,6,10,15-tetramethyl-	700	T J N	ug/Kg	☼	10.76	54833-48-6	06/05/25 13:46	06/06/25 15:39	1
Nonadecane	660	T J N	ug/Kg	☼	11.17	629-92-5	06/05/25 13:46	06/06/25 15:39	1
Eicosane	550	T J N	ug/Kg	☼	11.56	112-95-8	06/05/25 13:46	06/06/25 15:39	1
Octadecane	510	T J N	ug/Kg	☼	11.91	593-45-3	06/05/25 13:46	06/06/25 15:39	1
Docosane	500	T J N	ug/Kg	☼	12.24	629-97-0	06/05/25 13:46	06/06/25 15:39	1
Tricosane	400	T J N	ug/Kg	☼	12.54	638-67-5	06/05/25 13:46	06/06/25 15:39	1
Tetracosane	370	T J N	ug/Kg	☼	12.83	646-31-1	06/05/25 13:46	06/06/25 15:39	1
Octacosane	340	T J N	ug/Kg	☼	13.10	630-02-4	06/05/25 13:46	06/06/25 15:39	1
1-Iodo-2-methylundecane	380	T J N	ug/Kg	☼	13.38	73105-67-6	06/05/25 13:46	06/06/25 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		22 - 120	06/05/25 13:46	06/06/25 15:39	1
p-Terphenyl-d14 (Surr)	88		28 - 124	06/05/25 13:46	06/06/25 15:39	1
Phenol-d5 (Surr)	82		23 - 120	06/05/25 13:46	06/06/25 15:39	1
2-Fluorophenol (Surr)	78		18 - 120	06/05/25 13:46	06/06/25 15:39	1
2,4,6-Tribromophenol (Surr)	87		10 - 140	06/05/25 13:46	06/06/25 15:39	1
2-Fluorobiphenyl (Surr)	85		29 - 120	06/05/25 13:46	06/06/25 15:39	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.7	0.73	ug/Kg	☼	06/03/25 13:31	06/04/25 12:30	1
4,4'-DDE	ND		3.7	0.78	ug/Kg	☼	06/03/25 13:31	06/04/25 12:30	1
4,4'-DDT	ND		3.7	0.87	ug/Kg	☼	06/03/25 13:31	06/04/25 12:30	1
beta-BHC	ND		3.7	0.67	ug/Kg	☼	06/03/25 13:31	06/04/25 12:30	1
cis-Chlordane	ND		3.7	1.9	ug/Kg	☼	06/03/25 13:31	06/04/25 12:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		3.7	0.67	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Aldrin	ND		3.7	0.92	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
delta-BHC	ND		3.7	0.69	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Dieldrin	ND		3.7	0.90	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endosulfan I	ND		3.7	0.72	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endosulfan II	ND		3.7	0.67	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endosulfan sulfate	ND		3.7	0.70	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endrin	ND		3.7	0.74	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endrin aldehyde	ND		3.7	0.95	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Endrin ketone	ND		3.7	0.92	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
gamma-BHC (Lindane)	ND		3.7	0.69	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
trans-Chlordane	ND		3.7	1.2	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Heptachlor	ND		3.7	0.81	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Heptachlor epoxide	ND		3.7	0.96	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Methoxychlor	3.9	B	3.7	0.76	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1
Toxaphene	ND		37	22	ug/Kg	☆	06/03/25 13:31	06/04/25 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		45 - 120	06/03/25 13:31	06/04/25 12:30	1
DCB Decachlorobiphenyl	81		45 - 120	06/03/25 13:31	06/04/25 12:30	1
Tetrachloro-m-xylene	62		30 - 124	06/03/25 13:31	06/04/25 12:30	1
Tetrachloro-m-xylene	61		30 - 124	06/03/25 13:31	06/04/25 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1221	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1232	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1242	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1248	ND		0.26	0.050	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1254	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1
PCB-1260	ND		0.26	0.12	mg/Kg	☆	06/03/25 06:25	06/03/25 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		60 - 154	06/03/25 06:25	06/03/25 22:00	1
Tetrachloro-m-xylene	113		60 - 154	06/03/25 06:25	06/03/25 22:00	1
DCB Decachlorobiphenyl	122		65 - 174	06/03/25 06:25	06/03/25 22:00	1
DCB Decachlorobiphenyl	115		65 - 174	06/03/25 06:25	06/03/25 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.32	J	0.40	0.13	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☆	06/04/25 07:16	06/05/25 14:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	*	0.20	0.089	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	✱	06/04/25 07:16	06/05/25 14:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	109		8 - 130	06/04/25 07:16	06/05/25 14:23	1
13C5-PFPeA	108		35 - 130	06/04/25 07:16	06/05/25 14:23	1
13C5-PFHxA	110		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C4-PFHpA	101		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C8-PFOA	97.8		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C9-PFNA	98.7		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C6-PFDA	91.5		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C7-PFUnA	97.0		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C2-PFTeDA	78.9		20 - 130	06/04/25 07:16	06/05/25 14:23	1
13C3-PFBS	100		40 - 135	06/04/25 07:16	06/05/25 14:23	1
13C3-PFHxS	93.3		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C8-PFOS	85.4		40 - 130	06/04/25 07:16	06/05/25 14:23	1
13C8-PFOSA	81.2		40 - 130	06/04/25 07:16	06/05/25 14:23	1
d3-NMeFOSAA	83.6		40 - 135	06/04/25 07:16	06/05/25 14:23	1
d5-NEtFOSAA	77.6		40 - 150	06/04/25 07:16	06/05/25 14:23	1
13C2 4:2 FTS	99.8		40 - 165	06/04/25 07:16	06/05/25 14:23	1
13C2 6:2 FTS	99.1		40 - 215	06/04/25 07:16	06/05/25 14:23	1
13C2 8:2 FTS	86.5		40 - 275	06/04/25 07:16	06/05/25 14:23	1
13C3-HFPO-DA	106		40 - 130	06/04/25 07:16	06/05/25 14:23	1
D7-NMeFOSE	43.3		20 - 130	06/04/25 07:16	06/05/25 14:23	1
D9-NEtFOSE	35.9		15 - 130	06/04/25 07:16	06/05/25 14:23	1
d5-NEtPFOSA	61.8		10 - 130	06/04/25 07:16	06/05/25 14:23	1
d3-NMePFOSA	70.9		10 - 130	06/04/25 07:16	06/05/25 14:23	1
13C2 PFDaA	89.5		40 - 130	06/04/25 07:16	06/05/25 14:23	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11.7	10.1	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Antimony	1.6	J	17.6	0.62	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Arsenic	12.7		2.3	1.0	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Barium	66.0		0.59	0.16	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Beryllium	0.68		0.23	0.047	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Cadmium	0.31		0.23	0.082	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Calcium	12200		58.5	31.6	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Chromium	15.6		0.59	0.42	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Cobalt	11.1		0.59	0.12	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Copper	47.0		1.2	0.67	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Iron	28000		11.7	9.9	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Lead	30.3		1.2	0.54	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Magnesium	5230		23.4	9.9	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Manganese	234		1.2	0.33	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Nickel	31.6	^5-	5.9	0.29	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Potassium	2590		35.1	28.4	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Selenium	1.3	J	4.7	0.94	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Silver	ND	^5-	0.70	0.23	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Sodium	88.2	J	164	71.7	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Thallium	ND	*+	7.0	0.89	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Vanadium	21.9		0.59	0.15	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1
Zinc	88.3	^5-	2.3	1.2	mg/Kg	☆	06/02/25 15:39	06/05/25 16:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.022	0.0049	mg/Kg	☼	06/02/25 13:35	06/02/25 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.50	mg/Kg	☼	06/05/25 12:02	06/05/25 16:25	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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)
480-229829-1	RI-BH-14 Fill	107	73 *3	138 S1+ *3	114
480-229829-2	RI-BH-14 Native	101	93	103	102
480-229829-3	RI-BH-15 Fill	116	79 *3	138 S1+ *3	126
480-229829-4	RI-BH-15 Native	98	94	104	103
480-229829-5	RI-MW-1	102	89	109	106
480-229829-6	RI-MW-2	112	78	102	111
480-229829-7	RI-MW-2 DUP	96	95	103	98
480-229829-8	RI-MW-3	99	96	107	106
480-229829-9	RI-MW-3 DUP	102	102	101	104
480-229829-10	RI-MW-4	101	94	109	105
480-229829-11	RI-MW-5	100	92	108	105
480-229829-12	RI-BH-3	101	81	115	106
480-229829-13	RI-BH-4 Fill	100	94	105	108
480-229829-13 MS	RI-BH-4 Fill	87	91	108	96
480-229829-13 MSD	RI-BH-4 Fill	83	89	110	88
480-229829-14	RI-BH-6 Native	97	94	103	97
480-229829-15	RI-BH-6 Fill	103	84	115	108
480-229829-16	RI-BH-7 Native	97	89	113	104
480-229829-17	RI-BH-7 Fill	96	80	119	99
480-229829-20	RI-BH-9 Fill	99	95	105	103
480-229829-21	RI-BH-9 Native	98	92	112	102
480-229829-22	RI-BH-10 Fill	102	88	112	105
480-229829-23	RI-BH-10 Native	98	97	104	101
480-229829-23 MS	RI-BH-10 Native	86	93	109	96
480-229829-23 MSD	RI-BH-10 Native	84	96	107	94
480-229829-24	RI-BH-11 Native	100	96	107	105
480-229829-25	RI-BH-11 Fill	99	96	110	102
480-229829-26	RI-BH-12 Fill	105	95	98	101
480-229829-27	RI-BH-12 Native	104	94	100	101
480-229829-28	RI-BH-13 Fill	102	95	100	99
480-229829-29	RI-BH-13 Native	100	96	108	106
LCS 480-747608/1-A	Lab Control Sample	100	101	102	104
LCS 480-747667/1-A	Lab Control Sample	101	100	101	104
LCS 480-747822/1-A	Lab Control Sample	94	102	100	96
LCS 480-747939/1-A	Lab Control Sample	104	94	100	101
MB 480-747608/2-A	Method Blank	97	103	100	97
MB 480-747667/2-A	Method Blank	101	103	100	104
MB 480-747822/2-A	Method Blank	95	102	98	98
MB 480-747939/2-A	Method Blank	102	98	99	98

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229829-1

Project/Site: 2nd & Washington Street

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (22-120)	TPHd14 (28-124)	PHL (23-120)	2FP (18-120)	TBP (10-140)	FBP (29-120)
480-229829-1	RI-BH-14 Fill	75	83	69	68	81	74
480-229829-2	RI-BH-14 Native	81	87	76	75	79	82
480-229829-3	RI-BH-15 Fill	58	48	56	42	62	64
480-229829-4	RI-BH-15 Native	72	77	72	66	71	74
480-229829-5	RI-MW-1	87	89	79	77	79	89
480-229829-6	RI-MW-2	61	66	62	61	58	66
480-229829-7	RI-MW-2 DUP	73	76	71	67	72	76
480-229829-8	RI-MW-3	78	79	76	69	93	78
480-229829-9	RI-MW-3 DUP	78	88	79	76	86	81
480-229829-10	RI-MW-4	83	86	83	77	89	89
480-229829-11	RI-MW-5	80	96	79	74	76	80
480-229829-12	RI-BH-3	76	92	76	74	82	84
480-229829-13	RI-BH-4 Fill	77	85	78	75	76	75
480-229829-13 MS	RI-BH-4 Fill	78	87	86	79	85	84
480-229829-13 MSD	RI-BH-4 Fill	81	103	84	80	86	89
480-229829-14	RI-BH-6 Native	76	87	77	79	77	74
480-229829-15	RI-BH-6 Fill	68	79	68	63	71	70
480-229829-16	RI-BH-7 Native	57	74	54	50	55	56
480-229829-17	RI-BH-7 Fill	62	58	53	53	59	65
480-229829-20	RI-BH-9 Fill	68	68	68	70	79	74
480-229829-21	RI-BH-9 Native	60	69	63	59	66	65
480-229829-22	RI-BH-10 Fill	68	71	61	60	69	73
480-229829-23	RI-BH-10 Native	62	70	61	57	68	66
480-229829-23 - RE	RI-BH-10 Native	69	69	69	66	47	72
480-229829-23 MS	RI-BH-10 Native	69	80	71	66	88	75
480-229829-23 MS - RE	RI-BH-10 Native	71	76	70	67	75	73
480-229829-23 MSD	RI-BH-10 Native	70	77	69	65	79	71
480-229829-23 MSD - RE	RI-BH-10 Native	72	81	73	69	78	79
480-229829-24	RI-BH-11 Native	51	69	55	51	67	54
480-229829-24 - RE	RI-BH-11 Native	65	68	65	62	54	67
480-229829-25	RI-BH-11 Fill	42	46	46	43	49	48
480-229829-25 - RE	RI-BH-11 Fill	46	56	49	46	59	53
480-229829-26	RI-BH-12 Fill	55	61	55	50	58	59
480-229829-26 - RE	RI-BH-12 Fill	68	75	66	62	61	70
480-229829-27	RI-BH-12 Native	52	65	55	50	57	60
480-229829-27 - RE	RI-BH-12 Native	77	82	76	73	83	79
480-229829-28	RI-BH-13 Fill	58	76	62	56	74	65
480-229829-28 - RE	RI-BH-13 Fill	69	61	66	61	63	70
480-229829-29	RI-BH-13 Native	53	62	56	52	61	55
480-229829-29 - RE	RI-BH-13 Native	82	88	82	78	87	85
LCS 480-747709/2-A	Lab Control Sample	79	98	81	79	91	85
LCS 480-747710/2-A	Lab Control Sample	51	63	54	47	68	56
LCS 480-748019/2-A	Lab Control Sample	76	81	75	71	86	78
MB 480-747709/1-A	Method Blank	75	83	76	73	61	80
MB 480-747710/1-A	Method Blank	61	78	65	59	59	69
MB 480-748019/1-A	Method Blank	79	90	79	73	78	86

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Eurofins Buffalo

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229829-1

Project/Site: 2nd & Washington Street

PHL = Phenol-d5 (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-229829-1	RI-BH-14 Fill	78	77	65	70
480-229829-2	RI-BH-14 Native	62	71	68	74
480-229829-3	RI-BH-15 Fill	123 S1+	132 S1+	126 S1+	141 S1+
480-229829-4	RI-BH-15 Native	83	91	74	81
480-229829-5	RI-MW-1	62	68	49	54
480-229829-6	RI-MW-2	72	95	56	61
480-229829-7	RI-MW-2 DUP	76	102	64	69
480-229829-8	RI-MW-3	84	94	78	85
480-229829-9	RI-MW-3 DUP	85	101	86	91
480-229829-10	RI-MW-4	86	95	80	85
480-229829-11	RI-MW-5	89	98	81	86
480-229829-12	RI-BH-3	104	105	73	79
480-229829-13	RI-BH-4 Fill	220 S1+	309 S1+	97	76
480-229829-13 MS	RI-BH-4 Fill	70	81	62	75
480-229829-13 MSD	RI-BH-4 Fill	83	86	57	62
480-229829-14	RI-BH-6 Native	93	111	78	85
480-229829-15	RI-BH-6 Fill	66	77	55	59
480-229829-16	RI-BH-7 Native	88	110	69	74
480-229829-17	RI-BH-7 Fill	84	150 S1+	67	73
480-229829-20	RI-BH-9 Fill	73	81	56	59
480-229829-21	RI-BH-9 Native	157 S1+	155 S1+	107	105
480-229829-22	RI-BH-10 Fill	73	85	68	74
480-229829-23	RI-BH-10 Native	80	84	63	64
480-229829-23 MS	RI-BH-10 Native	63	69	55	56
480-229829-23 MSD	RI-BH-10 Native	70	83	54	55
480-229829-24	RI-BH-11 Native	79	81	54	55
480-229829-25	RI-BH-11 Fill	62	78	43	42
480-229829-26	RI-BH-12 Fill	55	56	45	43
480-229829-27	RI-BH-12 Native	61	69	48	46
480-229829-28	RI-BH-13 Fill	102	117	56	52
480-229829-29	RI-BH-13 Native	71	81	62	61
LCS 480-747772/2-A	Lab Control Sample	93	97	77	81
LCS 480-747775/2-A	Lab Control Sample	88	87	64	64
MB 480-747772/1-A	Method Blank	99	97	73	78
MB 480-747775/1-A	Method Blank	85	87	64	63

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229829-1

Project/Site: 2nd & Washington Street

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-229829-1	RI-BH-14 Fill	138	141	131	137
480-229829-2	RI-BH-14 Native	138	143	137	141
480-229829-3	RI-BH-15 Fill	78	81	83	88
480-229829-4	RI-BH-15 Native	130	136	128	129
480-229829-5	RI-MW-1	103	109	103	108
480-229829-6	RI-MW-2	121	133	121	123
480-229829-7	RI-MW-2 DUP	119	123	109	113
480-229829-8	RI-MW-3	155 S1+	159 S1+	151	153
480-229829-9	RI-MW-3 DUP	150	158 S1+	153	151
480-229829-10	RI-MW-4	133	136	134	133
480-229829-11	RI-MW-5	98	101	109	106
480-229829-12	RI-BH-3	110	112	122	119
480-229829-13	RI-BH-4 Fill	114	120	114	118
480-229829-13 MS	RI-BH-4 Fill	153	156 S1+	155	154
480-229829-13 MSD	RI-BH-4 Fill	149	151	140	150
480-229829-14	RI-BH-6 Native	108	110	122	118
480-229829-15	RI-BH-6 Fill	113	119	111	121
480-229829-16	RI-BH-7 Native	107	110	118	116
480-229829-17	RI-BH-7 Fill	113	101	114	97
480-229829-20	RI-BH-9 Fill	115	118	130	120
480-229829-21	RI-BH-9 Native	78	80	90	81
480-229829-22	RI-BH-10 Fill	100	101	109	102
480-229829-23	RI-BH-10 Native	115	119	130	123
480-229829-23 MS	RI-BH-10 Native	124	129	142	139
480-229829-23 MSD	RI-BH-10 Native	117	120	136	125
480-229829-24	RI-BH-11 Native	99	101	110	103
480-229829-25	RI-BH-11 Fill	107	110	119	111
480-229829-26	RI-BH-12 Fill	109	111	124	114
480-229829-27	RI-BH-12 Native	109	113	122	119
480-229829-28	RI-BH-13 Fill	107	111	119	114
480-229829-29	RI-BH-13 Native	108	113	122	115
LCS 480-747616/2-A	Lab Control Sample	171 S1+	168 S1+	167	157
LCS 480-747708/2-A	Lab Control Sample	133	141	155	150
MB 480-747616/1-A	Method Blank	134	137	140	132
MB 480-747708/1-A	Method Blank	115	122	131	126

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-229829-1	RI-BH-14 Fill	87.1	96.0	93.8	94.7	86.2	84.1	83.0	82.6
480-229829-2	RI-BH-14 Native	78.8	85.4	79.7	82.1	76.6	80.5	75.4	67.0
480-229829-3	RI-BH-15 Fill	80.8	83.4	83.1	80.3	74.3	75.6	76.7	74.9
480-229829-4	RI-BH-15 Native	92.7	99.8	97.7	97.6	88.3	87.3	84.7	82.3
480-229829-5	RI-MW-1	86.1	94.5	88.1	92.9	83.5	84.3	86.6	86.5
480-229829-6	RI-MW-2	84.5	90.9	87.9	92.5	83.0	82.8	87.2	85.2
480-229829-7	RI-MW-2 DUP	88.0	93.6	87.3	89.1	83.7	84.9	87.0	84.1
480-229829-8	RI-MW-3	78.3	87.7	84.3	82.6	72.1	73.3	65.3	58.1
480-229829-9	RI-MW-3 DUP	87.4	95.3	94.1	92.5	86.5	85.2	86.2	80.3
480-229829-10	RI-MW-4	81.4	90.2	87.2	86.7	79.5	82.4	80.1	75.6
480-229829-11	RI-MW-5	78.0	86.0	84.1	85.8	77.9	78.7	74.9	73.5
480-229829-12	RI-BH-3	64.4	73.3	69.7	73.2	63.3	64.7	60.8	61.4
480-229829-13	RI-BH-4 Fill	81.7	86.7	83.6	89.5	78.2	83.9	86.0	86.6
480-229829-13 MS	RI-BH-4 Fill	88.6	97.4	93.1	95.6	86.3	87.2	86.7	85.8
480-229829-13 MSD	RI-BH-4 Fill	95.1	107	99.9	104	94.1	96.2	97.7	94.0
480-229829-14	RI-BH-6 Native	107	116	112	115	103	106	104	96.9
480-229829-15	RI-BH-6 Fill	57.4	61.6	62.6	73.3	66.4	69.6	67.8	69.5
480-229829-16	RI-BH-7 Native	85.1	94.3	88.7	93.1	87.5	86.1	93.8	94.5
480-229829-17	RI-BH-7 Fill	94.5	110	101	110	97.0	93.5	97.6	87.7
480-229829-20	RI-BH-9 Fill	73.6	80.7	77.8	79.8	72.1	71.6	66.7	57.8
480-229829-21	RI-BH-9 Native	92.9	102	100	89.5	86.3	85.8	73.0	69.2
480-229829-21 - RE	RI-BH-9 Native								66.7
480-229829-22	RI-BH-10 Fill	89.9	101	97.0	92.2	93.9	94.7	79.6	78.3
480-229829-22 - RE	RI-BH-10 Fill								
480-229829-23	RI-BH-10 Native	106	124	113	116	104	101	86.1	81.4
480-229829-23 MS	RI-BH-10 Native	127	138 *5+	127	126	119	113	101	97.6
480-229829-23 MSD	RI-BH-10 Native	81.6	91.5	80.2	79.5	72.1	75.6	73.5	73.4
480-229829-24	RI-BH-11 Native	92.5	103	95.8	89.8	82.1	85.0	75.3	72.8
480-229829-25	RI-BH-11 Fill	92.6	94.3	89.0	81.9	78.1	77.2	68.8	70.8
480-229829-26	RI-BH-12 Fill	117	117	118	113	114	106	96.2	90.5
480-229829-26 - RE	RI-BH-12 Fill								
480-229829-27	RI-BH-12 Native	96.3	97.0	91.7	90.5	84.9	93.3	80.2	83.6
480-229829-28	RI-BH-13 Fill	97.5	99.1	96.1	91.8	92.4	92.1	79.9	81.0
480-229829-29	RI-BH-13 Native	109	108	110	101	97.8	98.7	91.5	97.0
LCS 410-652628/2-A	Lab Control Sample	91.6	101	94.8	101	91.4	91.1	89.0	81.3
LCS 410-653886/2-A	Lab Control Sample	92.9	82.0	86.9	77.9	82.9	79.7	77.1	68.3
LLCS 410-652628/3-A	Lab Control Sample	88.0	94.1	92.3	93.5	84.1	87.3	83.9	80.2
LLCS 410-653886/3-A	Lab Control Sample	109	103	99.8	92.7	93.1	88.3	84.6	77.0
MB 410-652628/1-A	Method Blank	98.1	103	101	98.9	89.3	86.7	76.8	54.8
MB 410-653886/1-A	Method Blank	87.1	78.4	83.8	73.5	72.8	69.8	70.5	67.4

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-229829-1	RI-BH-14 Fill	69.8	73.3	76.7	80.9	75.2	91.7	85.8	74.7
480-229829-2	RI-BH-14 Native	50.0	63.6	66.3	60.7	62.0	72.3	73.0	62.2
480-229829-3	RI-BH-15 Fill	62.1	66.2	70.9	77.8	62.3	67.6	68.0	72.2
480-229829-4	RI-BH-15 Native	72.8	79.2	84.9	84.1	72.0	81.4	80.9	88.3
480-229829-5	RI-MW-1	82.6	78.3	84.5	92.0	79.9	92.0	96.5	85.0
480-229829-6	RI-MW-2	79.3	75.2	81.7	87.5	74.0	90.9	87.1	78.3

Eurofins Buffalo

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-229829-7	RI-MW-2 DUP	75.5	77.6	81.5	90.1	74.2	81.3	86.9	81.7
480-229829-8	RI-MW-3	54.8	63.6	58.3	49.3	61.8	69.6	63.9	67.6
480-229829-9	RI-MW-3 DUP	74.2	75.5	77.1	80.0	70.3	83.8	80.8	76.3
480-229829-10	RI-MW-4	63.2	68.9	73.2	71.0	65.2	81.8	78.3	70.8
480-229829-11	RI-MW-5	63.6	67.8	71.3	66.2	67.3	78.5	78.1	70.3
480-229829-12	RI-BH-3	53.7	52.3	52.9	50.7	56.5	63.3	66.6	53.6
480-229829-13	RI-BH-4 Fill	72.4	69.4	77.7	77.8	68.8	82.6	83.7	81.3
480-229829-13 MS	RI-BH-4 Fill	62.4	76.3	81.1	84.0	76.1	86.8	83.8	80.4
480-229829-13 MSD	RI-BH-4 Fill	82.1	80.2	85.6	91.7	83.5	100	102	84.2
480-229829-14	RI-BH-6 Native	58.4	101	106	106	96.1	99.9	105	108
480-229829-15	RI-BH-6 Fill	74.0	53.5	65.8	73.5	66.2	81.3	88.9	87.8
480-229829-16	RI-BH-7 Native	87.3	79.3	82.6	91.8	80.8	97.4	98.4	79.4
480-229829-17	RI-BH-7 Fill	47.0	89.0	94.5	90.1	85.1	96.0	96.3	102
480-229829-20	RI-BH-9 Fill	44.4	67.5	71.1	62.2	63.3	70.7	66.5	78.1
480-229829-21	RI-BH-9 Native	47.0	89.6	76.2	67.8	78.7	64.8	62.4	112
480-229829-21 - RE	RI-BH-9 Native								
480-229829-22	RI-BH-10 Fill	61.4	95.8	87.1	73.3	83.5	86.6	79.5	
480-229829-22 - RE	RI-BH-10 Fill								149
480-229829-23	RI-BH-10 Native	83.6	105	89.3	80.8	85.8	80.8	72.7	97.6
480-229829-23 MS	RI-BH-10 Native	99.0	110	100	83.7	98.8	92.7	86.8	116
480-229829-23 MSD	RI-BH-10 Native	73.8	75.7	74.1	78.1	67.4	62.1	57.7	77.6
480-229829-24	RI-BH-11 Native	77.1	81.0	70.2	61.1	73.4	69.9	60.3	84.5
480-229829-25	RI-BH-11 Fill	65.0	79.1	69.7	60.6	63.1	62.0	60.6	91.1
480-229829-26	RI-BH-12 Fill	97.1	115	101	86.3	107	104	95.6	
480-229829-26 - RE	RI-BH-12 Fill								97.3
480-229829-27	RI-BH-12 Native	76.6	88.9	81.4	77.3	83.6	82.4	72.2	96.2
480-229829-28	RI-BH-13 Fill	69.1	86.5	75.0	73.4	78.8	80.0	79.4	103
480-229829-29	RI-BH-13 Native	78.9	100	93.3	85.4	81.2	83.6	77.6	99.8
LCS 410-652628/2-A	Lab Control Sample	70.3	84.1	89.8	83.5	78.2	93.3	88.9	91.8
LCS 410-653886/2-A	Lab Control Sample	41.1	80.3	74.1	69.9	65.9	56.0	90.1	84.2
LLCS 410-652628/3-A	Lab Control Sample	72.1	79.1	85.1	83.7	69.6	80.0	79.9	84.9
LLCS 410-653886/3-A	Lab Control Sample	40.2	91.5	89.6	79.0	73.9	66.7	115	101
MB 410-652628/1-A	Method Blank	48.2	86.5	82.9	59.5	68.7	79.0	77.9	91.2
MB 410-653886/1-A	Method Blank	43.7	72.8	70.9	63.4	58.6	52.9	78.0	81.7

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
480-229829-1	RI-BH-14 Fill	83.7	75.0	81.4	55.4	47.8	55.5	51.2	78.1
480-229829-2	RI-BH-14 Native	66.2	62.7	71.6	40.2	35.9	41.2	41.8	64.0
480-229829-3	RI-BH-15 Fill	71.7	65.0	66.1	46.5	42.2	52.5	52.4	76.6
480-229829-4	RI-BH-15 Native	90.9	73.6	80.8	58.1	55.5	53.4	54.4	76.2
480-229829-5	RI-MW-1	88.1	85.7	76.7	80.2	81.4	68.8	67.9	90.7
480-229829-6	RI-MW-2	85.8	78.6	78.0	75.1	74.4	66.4	67.0	85.9
480-229829-7	RI-MW-2 DUP	86.2	74.9	75.5	71.2	75.9	65.5	65.8	80.5
480-229829-8	RI-MW-3	72.7	58.7	71.4	49.3	44.8	45.5	43.9	56.5
480-229829-9	RI-MW-3 DUP	83.7	80.0	80.1	57.5	51.6	52.4	51.8	79.1
480-229829-10	RI-MW-4	83.1	72.3	73.8	57.8	51.1	51.1	52.2	72.2
480-229829-11	RI-MW-5	78.7	68.2	72.9	63.1	55.9	56.6	58.4	71.2
480-229829-12	RI-BH-3	56.3	54.4	60.8	56.1	51.0	51.4	50.9	57.8
480-229829-13	RI-BH-4 Fill	84.1	73.7	70.3	69.7	64.1	58.9	60.4	88.1

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Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229829-1

Project/Site: 2nd & Washington Street

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
480-229829-13 MS	RI-BH-4 Fill	88.8	74.6	80.4	63.5	57.1	61.8	61.4	81.1
480-229829-13 MSD	RI-BH-4 Fill	93.8	86.7	88.0	62.7	57.5	69.4	71.0	93.8
480-229829-14	RI-BH-6 Native	120	101	97.0	87.6	78.5	84.4	83.2	83.3
480-229829-15	RI-BH-6 Fill	114	94.4	48.8	63.8	61.4	55.5	58.6	74.8
480-229829-16	RI-BH-7 Native	88.5	85.4	76.3	71.8	70.4	71.1	70.7	93.9
480-229829-17	RI-BH-7 Fill	115	97.3	85.4	49.7	48.5	52.9	56.2	78.8
480-229829-20	RI-BH-9 Fill	84.2	71.6	67.3	44.2	42.6	43.9	47.7	47.0
480-229829-21	RI-BH-9 Native	99.2	71.7	95.9	39.8	31.9	59.4	66.2	64.9
480-229829-21 - RE	RI-BH-9 Native								
480-229829-22	RI-BH-10 Fill	141	128	90.9	35.2	23.0	61.9	65.5	74.1
480-229829-22 - RE	RI-BH-10 Fill								
480-229829-23	RI-BH-10 Native	94.1	74.5	118	48.7	34.0	69.2	72.5	75.1
480-229829-23 MS	RI-BH-10 Native	107	95.5	129	51.9	40.6	74.6	80.9	93.2
480-229829-23 MSD	RI-BH-10 Native	75.5	59.3	79.4	37.9	34.2	56.2	58.1	68.7
480-229829-24	RI-BH-11 Native	79.1	67.7	88.5	45.6	35.7	56.3	62.4	69.7
480-229829-25	RI-BH-11 Fill	79.1	62.4	86.1	27.0	20.4	50.9	52.1	65.9
480-229829-26	RI-BH-12 Fill	164	135	113	32.9	19.4	75.5	82.9	84.4
480-229829-26 - RE	RI-BH-12 Fill								
480-229829-27	RI-BH-12 Native	93.3	83.7	92.5	42.7	32.7	61.5	65.5	76.4
480-229829-28	RI-BH-13 Fill	96.9	76.1	93.2	26.1	17.8	61.1	62.0	74.7
480-229829-29	RI-BH-13 Native	99.1	86.5	106	43.3	35.9	61.8	70.9	89.5
LCS 410-652628/2-A	Lab Control Sample	104	90.7	84.7	65.0	61.5	60.6	59.9	77.2
LCS 410-653886/2-A	Lab Control Sample	90.6	68.4	84.1	21.5	16.0	34.5	45.1	63.3
LLCS 410-652628/3-A	Lab Control Sample	95.5	86.2	77.4	53.6	46.8	45.9	47.3	75.8
LLCS 410-653886/3-A	Lab Control Sample	102	82.9	100	19.0 *5-	12.1 *5-	40.4	52.3	69.6
MB 410-652628/1-A	Method Blank	100	77.3	87.0	50.0	44.7	34.3	41.0	41.9
MB 410-653886/1-A	Method Blank	82.3	65.0	81.8	21.4	18.5	32.7	41.1	63.0

Surrogate Legend

PFBA = 13C4-PFBA
 PFPeA = 13C5-PFPeA
 13C5PHA = 13C5-PFHxA
 C4PFHA = 13C4-PFHpA
 C8PFOA = 13C8-PFOA
 C9PFNA = 13C9-PFNA
 C6PFDA = 13C6-PFDA
 13C7PUA = 13C7-PFUnA
 PFTDA = 13C2-PFTeDA
 C3PFBS = 13C3-PFBS
 C3PFHS = 13C3-PFHxS
 C8PFOS = 13C8-PFOS
 PFOSA = 13C8-PFOSA
 d3NMFOA = d3-NMeFOA
 d5NEFOA = d5-NEtFOA
 M242FTS = 13C2 4:2 FTS
 M262FTS = 13C2 6:2 FTS
 M282FTS = 13C2 8:2 FTS
 HFPODA = 13C3-HFPO-DA
 NMFM = D7-NMeFOSE
 NEFM = D9-NEtFOSE

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Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229829-1

Project/Site: 2nd & Washington Street

d5NPFSA = d5-NEtPFOSA

d3NMFSA = d3-NMePFOSA

PFDoA = 13C2 PFDoA

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747608/2-A

Matrix: Solid

Analysis Batch: 747613

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
2-Hexanone	ND		25	2.5	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Acetone	ND		25	4.2	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Benzene	ND		5.0	0.25	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Bromoform	ND		5.0	2.5	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Chloroform	ND		5.0	0.31	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Methyl acetate	ND		25	3.0	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Toluene	ND		5.0	0.38	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Xylenes, Total	ND		10	0.84	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/01/25 18:04	06/01/25 23:21	1
Styrene	ND		5.0	0.25	ug/Kg		06/01/25 18:04	06/01/25 23:21	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747608/2-A
Matrix: Solid
Analysis Batch: 747613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747608

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>			<i>N/A</i>	06/01/25 18:04	06/01/25 23:21	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		64 - 126				06/01/25 18:04	06/01/25 23:21	1
4-Bromofluorobenzene (Surr)	103		72 - 126				06/01/25 18:04	06/01/25 23:21	1
Toluene-d8 (Surr)	100		71 - 125				06/01/25 18:04	06/01/25 23:21	1
Dibromofluoromethane (Surr)	97		60 - 140				06/01/25 18:04	06/01/25 23:21	1

Lab Sample ID: LCS 480-747608/1-A
Matrix: Solid
Analysis Batch: 747613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747608

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1,1-Trichloroethane	50.0	54.6		ug/Kg		109	77 - 121
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/Kg		101	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.4		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	49.9		ug/Kg		100	78 - 122
1,1-Dichloroethane	50.0	53.7		ug/Kg		107	73 - 126
1,1-Dichloroethene	50.0	53.2		ug/Kg		106	59 - 125
1,2,4-Trichlorobenzene	50.0	51.9		ug/Kg		104	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	54.5		ug/Kg		109	63 - 124
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	48.5		ug/Kg		97	77 - 122
1,2-Dichloropropane	50.0	54.1		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	48.6		ug/Kg		97	73 - 120
2-Butanone (MEK)	250	289		ug/Kg		116	70 - 134
2-Hexanone	250	260		ug/Kg		104	59 - 130
4-Methyl-2-pentanone (MIBK)	250	262		ug/Kg		105	65 - 133
Acetone	250	278		ug/Kg		111	61 - 137
Benzene	50.0	52.5		ug/Kg		105	79 - 127
Bromoform	50.0	59.1		ug/Kg		118	68 - 126
Bromomethane	50.0	54.2		ug/Kg		108	37 - 149
Carbon disulfide	50.0	52.2		ug/Kg		104	64 - 131
Carbon tetrachloride	50.0	57.4		ug/Kg		115	75 - 135
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
Dibromochloromethane	50.0	56.3		ug/Kg		113	76 - 125
Chloroethane	50.0	54.7		ug/Kg		109	69 - 135
Chloroform	50.0	50.3		ug/Kg		101	80 - 120
Chloromethane	50.0	56.1		ug/Kg		112	63 - 127
cis-1,2-Dichloroethene	50.0	52.9		ug/Kg		106	81 - 120
Cyclohexane	50.0	56.1		ug/Kg		112	65 - 120
Bromodichloromethane	50.0	53.4		ug/Kg		107	80 - 122
Dichlorodifluoromethane	50.0	54.1		ug/Kg		108	57 - 142
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 120
1,2-Dibromoethane	50.0	52.3		ug/Kg		105	78 - 120
Isopropylbenzene	50.0	51.1		ug/Kg		102	72 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747608/1-A

Matrix: Solid

Analysis Batch: 747613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl acetate	100	108		ug/Kg		108	55 - 136
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	54.6		ug/Kg		109	60 - 140
Methylene Chloride	50.0	56.8		ug/Kg		114	61 - 127
Tetrachloroethene	50.0	51.5		ug/Kg		103	74 - 122
Toluene	50.0	51.2		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	52.4		ug/Kg		105	78 - 126
trans-1,3-Dichloropropene	50.0	52.4		ug/Kg		105	73 - 123
Trichloroethene	50.0	51.3		ug/Kg		103	77 - 129
Trichlorofluoromethane	50.0	51.9		ug/Kg		104	65 - 146
Vinyl chloride	50.0	55.8		ug/Kg		112	61 - 133
cis-1,3-Dichloropropene	50.0	51.5		ug/Kg		103	80 - 120
Styrene	50.0	50.6		ug/Kg		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Toluene-d8 (Surr)	102		71 - 125
Dibromofluoromethane (Surr)	104		60 - 140

Lab Sample ID: MB 480-747667/2-A

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
2-Hexanone	ND		25	2.5	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Acetone	ND		25	4.2	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Benzene	ND		5.0	0.25	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Bromoform	ND		5.0	2.5	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/02/25 11:51	06/02/25 21:48	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747667/2-A

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Chloroform	ND		5.0	0.31	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Methyl acetate	ND		25	3.0	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Toluene	ND		5.0	0.38	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Xylenes, Total	ND		10	0.84	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/02/25 11:51	06/02/25 21:48	1
Styrene	ND		5.0	0.25	ug/Kg		06/02/25 11:51	06/02/25 21:48	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	06/02/25 11:51	06/02/25 21:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	06/02/25 11:51	06/02/25 21:48	1
4-Bromofluorobenzene (Surr)	103		72 - 126	06/02/25 11:51	06/02/25 21:48	1
Toluene-d8 (Surr)	100		71 - 125	06/02/25 11:51	06/02/25 21:48	1
Dibromofluoromethane (Surr)	104		60 - 140	06/02/25 11:51	06/02/25 21:48	1

Lab Sample ID: LCS 480-747667/1-A

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	55.2		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.6		ug/Kg		111	60 - 140
1,1,2-Trichloroethane	50.0	48.5		ug/Kg		97	78 - 122
1,1-Dichloroethane	50.0	54.0		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	53.5		ug/Kg		107	59 - 125
1,2,4-Trichlorobenzene	50.0	53.7		ug/Kg		107	64 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747667/1-A

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/Kg		107	63 - 124
1,2-Dichlorobenzene	50.0	50.7		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.0	47.5		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	52.7		ug/Kg		105	75 - 124
1,3-Dichlorobenzene	50.0	49.8		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	277		ug/Kg		111	70 - 134
2-Hexanone	250	259		ug/Kg		103	59 - 130
4-Methyl-2-pentanone (MIBK)	250	271		ug/Kg		108	65 - 133
Acetone	250	296		ug/Kg		119	61 - 137
Benzene	50.0	51.9		ug/Kg		104	79 - 127
Bromoform	50.0	57.6		ug/Kg		115	68 - 126
Bromomethane	50.0	55.3		ug/Kg		111	37 - 149
Carbon disulfide	50.0	52.6		ug/Kg		105	64 - 131
Carbon tetrachloride	50.0	57.0		ug/Kg		114	75 - 135
Chlorobenzene	50.0	48.8		ug/Kg		98	76 - 124
Dibromochloromethane	50.0	53.9		ug/Kg		108	76 - 125
Chloroethane	50.0	54.5		ug/Kg		109	69 - 135
Chloroform	50.0	50.2		ug/Kg		100	80 - 120
Chloromethane	50.0	58.0		ug/Kg		116	63 - 127
cis-1,2-Dichloroethene	50.0	52.4		ug/Kg		105	81 - 120
Cyclohexane	50.0	58.7		ug/Kg		117	65 - 120
Bromodichloromethane	50.0	52.0		ug/Kg		104	80 - 122
Dichlorodifluoromethane	50.0	55.1		ug/Kg		110	57 - 142
Ethylbenzene	50.0	50.1		ug/Kg		100	80 - 120
1,2-Dibromoethane	50.0	50.5		ug/Kg		101	78 - 120
Isopropylbenzene	50.0	51.9		ug/Kg		104	72 - 120
Methyl acetate	100	114		ug/Kg		114	55 - 136
Methyl tert-butyl ether	50.0	53.9		ug/Kg		108	63 - 125
Methylcyclohexane	50.0	55.4		ug/Kg		111	60 - 140
Methylene Chloride	50.0	57.3		ug/Kg		115	61 - 127
Tetrachloroethene	50.0	50.2		ug/Kg		100	74 - 122
Toluene	50.0	50.5		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	78 - 126
trans-1,3-Dichloropropene	50.0	49.6		ug/Kg		99	73 - 123
Trichloroethene	50.0	50.4		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	51.9		ug/Kg		104	65 - 146
Vinyl chloride	50.0	57.4		ug/Kg		115	61 - 133
cis-1,3-Dichloropropene	50.0	49.9		ug/Kg		100	80 - 120
Styrene	50.0	49.2		ug/Kg		98	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	100		72 - 126
Toluene-d8 (Surr)	101		71 - 125
Dibromofluoromethane (Surr)	104		60 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	vs	61.5	61.3	vs	ug/Kg	✱	100	77 - 121
1,1,2,2-Tetrachloroethane	ND	F1 F2 vs	61.5	24.3	F1 vs	ug/Kg	✱	39	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	61.5	53.3	vs	ug/Kg	✱	87	60 - 140
1,1,2-Trichloroethane	ND	vs	61.5	52.7	vs	ug/Kg	✱	86	78 - 122
1,1-Dichloroethane	ND	vs	61.5	64.2	vs	ug/Kg	✱	104	73 - 126
1,1-Dichloroethene	ND	vs	61.5	62.3	vs	ug/Kg	✱	101	59 - 125
1,2,4-Trichlorobenzene	ND	F1 vs	61.5	25.5	F1 vs	ug/Kg	✱	41	64 - 120
1,2-Dibromo-3-Chloropropane	ND	vs	61.5	43.7	vs	ug/Kg	✱	71	63 - 124
1,2-Dichlorobenzene	ND	vs	61.5	47.4	vs	ug/Kg	✱	77	75 - 120
1,2-Dichloroethane	ND	vs	61.5	49.2	vs	ug/Kg	✱	80	77 - 122
1,2-Dichloropropane	ND	vs	61.5	59.8	vs	ug/Kg	✱	97	75 - 124
1,3-Dichlorobenzene	ND	vs	61.5	48.8	vs	ug/Kg	✱	79	74 - 120
1,4-Dichlorobenzene	ND	vs	61.5	47.6	vs	ug/Kg	✱	77	73 - 120
2-Butanone (MEK)	ND	F1 vs	308	222	vs	ug/Kg	✱	72	70 - 134
2-Hexanone	ND	vs	308	231	vs	ug/Kg	✱	75	59 - 130
4-Methyl-2-pentanone (MIBK)	ND	vs	308	238	vs	ug/Kg	✱	77	65 - 133
Acetone	7.9	J vs	308	246	vs	ug/Kg	✱	77	61 - 137
Benzene	ND	vs	61.5	60.9	vs	ug/Kg	✱	99	79 - 127
Bromoform	ND	vs	61.5	49.2	vs	ug/Kg	✱	80	68 - 126
Bromomethane	ND	vs	61.5	67.7	vs	ug/Kg	✱	110	37 - 149
Carbon disulfide	ND	vs	61.5	57.8	vs	ug/Kg	✱	94	64 - 131
Carbon tetrachloride	ND	vs	61.5	62.8	vs	ug/Kg	✱	102	75 - 135
Chlorobenzene	ND	vs	61.5	54.6	vs	ug/Kg	✱	89	76 - 124
Dibromochloromethane	ND	vs	61.5	57.0	vs	ug/Kg	✱	93	76 - 125
Chloroethane	ND	vs	61.5	71.6	vs	ug/Kg	✱	116	69 - 135
Chloroform	ND	vs	61.5	58.2	vs	ug/Kg	✱	95	80 - 120
Chloromethane	ND	vs	61.5	76.3	vs	ug/Kg	✱	124	63 - 127
cis-1,2-Dichloroethene	ND	vs	61.5	58.8	vs	ug/Kg	✱	96	80 - 120
Cyclohexane	ND	vs	61.5	59.0	vs	ug/Kg	✱	96	65 - 120
Bromodichloromethane	ND	vs	61.5	55.4	vs	ug/Kg	✱	90	80 - 122
Dichlorodifluoromethane	ND	vs	61.5	71.5	vs	ug/Kg	✱	116	57 - 142
Ethylbenzene	ND	vs	61.5	57.5	vs	ug/Kg	✱	93	80 - 120
1,2-Dibromoethane	ND	vs	61.5	49.2	vs	ug/Kg	✱	80	78 - 120
Isopropylbenzene	ND	vs	61.5	69.0	vs	ug/Kg	✱	112	72 - 120
Methyl acetate	ND	F1 vs	123	62.3	F1 vs	ug/Kg	✱	51	55 - 136
Methyl tert-butyl ether	ND	vs	61.5	50.6	vs	ug/Kg	✱	82	63 - 125
Methylcyclohexane	1.4	J vs	61.5	49.6	vs	ug/Kg	✱	78	60 - 140
Methylene Chloride	49	vs	61.5	107	vs	ug/Kg	✱	93	61 - 127
Tetrachloroethene	ND	vs	61.5	56.7	vs	ug/Kg	✱	92	74 - 122
Toluene	ND	vs	61.5	62.7	vs	ug/Kg	✱	102	74 - 128
trans-1,2-Dichloroethene	34	F1 vs	61.5	94.0	vs	ug/Kg	✱	98	78 - 126
trans-1,3-Dichloropropene	ND	vs	61.5	50.7	vs	ug/Kg	✱	82	73 - 123
Trichloroethene	ND	F1 vs	61.5	83.2	F1 vs	ug/Kg	✱	135	77 - 129
Trichlorofluoromethane	ND	vs	61.5	64.7	vs	ug/Kg	✱	105	65 - 146
Vinyl chloride	ND	vs	61.5	72.2	vs	ug/Kg	✱	117	61 - 133
cis-1,3-Dichloropropene	ND	vs	61.5	51.5	vs	ug/Kg	✱	84	80 - 120
Styrene	ND	vs	61.5	51.7	vs	ug/Kg	✱	84	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747667

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		64 - 126
4-Bromofluorobenzene (Surr)	91		72 - 126
Toluene-d8 (Surr)	108		71 - 125
Dibromofluoromethane (Surr)	96		60 - 140

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	62.3	57.7	vs	ug/Kg	✱	93	77 - 121	6	30
1,1,2,2-Tetrachloroethane	ND	F1 F2 vs	62.3	1.72	J F1 F2 vs	ug/Kg	✱	3	80 - 120	174	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	62.3	47.1	vs	ug/Kg	✱	76	60 - 140	12	30
1,1,2-Trichloroethane	ND	vs	62.3	51.3	vs	ug/Kg	✱	82	78 - 122	3	30
1,1-Dichloroethane	ND	vs	62.3	60.6	vs	ug/Kg	✱	97	73 - 126	6	30
1,1-Dichloroethene	ND	vs	62.3	60.7	vs	ug/Kg	✱	97	59 - 125	3	30
1,2,4-Trichlorobenzene	ND	F1 vs	62.3	25.0	F1 vs	ug/Kg	✱	40	64 - 120	2	30
1,2-Dibromo-3-Chloropropane	ND	vs	62.3	42.5	vs	ug/Kg	✱	68	63 - 124	3	30
1,2-Dichlorobenzene	ND	vs	62.3	47.7	vs	ug/Kg	✱	76	75 - 120	0	30
1,2-Dichloroethane	ND	vs	62.3	48.1	vs	ug/Kg	✱	77	77 - 122	2	30
1,2-Dichloropropane	ND	vs	62.3	58.4	vs	ug/Kg	✱	94	75 - 124	2	30
1,3-Dichlorobenzene	ND	vs	62.3	50.7	vs	ug/Kg	✱	81	74 - 120	4	30
1,4-Dichlorobenzene	ND	vs	62.3	49.3	vs	ug/Kg	✱	79	73 - 120	4	30
2-Butanone (MEK)	ND	F1 vs	312	215	F1 vs	ug/Kg	✱	69	70 - 134	3	30
2-Hexanone	ND	vs	312	225	vs	ug/Kg	✱	72	59 - 130	2	30
4-Methyl-2-pentanone (MIBK)	ND	vs	312	230	vs	ug/Kg	✱	74	65 - 133	4	30
Acetone	7.9	J vs	312	217	vs	ug/Kg	✱	67	61 - 137	12	30
Benzene	ND	vs	62.3	59.2	vs	ug/Kg	✱	95	79 - 127	3	30
Bromoform	ND	vs	62.3	49.4	vs	ug/Kg	✱	79	68 - 126	0	30
Bromomethane	ND	vs	62.3	62.8	vs	ug/Kg	✱	101	37 - 149	8	30
Carbon disulfide	ND	vs	62.3	52.0	vs	ug/Kg	✱	83	64 - 131	11	30
Carbon tetrachloride	ND	vs	62.3	58.8	vs	ug/Kg	✱	94	75 - 135	7	30
Chlorobenzene	ND	vs	62.3	54.9	vs	ug/Kg	✱	88	76 - 124	0	30
Dibromochloromethane	ND	vs	62.3	56.8	vs	ug/Kg	✱	91	76 - 125	0	30
Chloroethane	ND	vs	62.3	64.8	vs	ug/Kg	✱	104	69 - 135	10	30
Chloroform	ND	vs	62.3	55.1	vs	ug/Kg	✱	88	80 - 120	5	30
Chloromethane	ND	vs	62.3	70.2	vs	ug/Kg	✱	113	63 - 127	8	30
cis-1,2-Dichloroethene	ND	vs	62.3	56.5	vs	ug/Kg	✱	91	80 - 120	4	30
Cyclohexane	ND	vs	62.3	54.7	vs	ug/Kg	✱	88	65 - 120	8	30
Bromodichloromethane	ND	vs	62.3	54.6	vs	ug/Kg	✱	88	80 - 122	2	30
Dichlorodifluoromethane	ND	vs	62.3	65.1	vs	ug/Kg	✱	105	57 - 142	9	30
Ethylbenzene	ND	vs	62.3	56.9	vs	ug/Kg	✱	91	80 - 120	1	30
1,2-Dibromoethane	ND	vs	62.3	51.3	vs	ug/Kg	✱	82	78 - 120	4	30
Isopropylbenzene	ND	vs	62.3	69.2	vs	ug/Kg	✱	111	72 - 120	0	30
Methyl acetate	ND	F1 vs	125	ND	F1 vs	ug/Kg	✱	0	55 - 136	NC	30
Methyl tert-butyl ether	ND	vs	62.3	46.2	vs	ug/Kg	✱	74	63 - 125	9	30
Methylcyclohexane	1.4	J vs	62.3	45.7	vs	ug/Kg	✱	71	60 - 140	8	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	49	vs	62.3	92.1	vs	ug/Kg	✱	69	61 - 127	15	30
Tetrachloroethene	ND	vs	62.3	58.3	vs	ug/Kg	✱	93	74 - 122	3	30
Toluene	ND	vs	62.3	62.3	vs	ug/Kg	✱	100	74 - 128	1	30
trans-1,2-Dichloroethene	34	F1 vs	62.3	81.5	F1 vs	ug/Kg	✱	76	78 - 126	14	30
trans-1,3-Dichloropropene	ND	vs	62.3	54.4	vs	ug/Kg	✱	87	73 - 123	7	30
Trichloroethene	ND	F1 vs	62.3	102	F1 vs	ug/Kg	✱	164	77 - 129	20	30
Trichlorofluoromethane	ND	vs	62.3	57.7	vs	ug/Kg	✱	93	65 - 146	11	30
Vinyl chloride	ND	vs	62.3	67.3	vs	ug/Kg	✱	108	61 - 133	7	30
cis-1,3-Dichloropropene	ND	vs	62.3	52.0	vs	ug/Kg	✱	83	80 - 120	1	30
Styrene	ND	vs	62.3	51.3	vs	ug/Kg	✱	82	80 - 120	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		64 - 126
4-Bromofluorobenzene (Surr)	89		72 - 126
Toluene-d8 (Surr)	110		71 - 125
Dibromofluoromethane (Surr)	88		60 - 140

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	vs	61.0	64.1	vs	ug/Kg	✱	105	77 - 121
1,1,2,2-Tetrachloroethane	ND	F1 vs	61.0	56.0	vs	ug/Kg	✱	92	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	61.0	55.0	vs	ug/Kg	✱	90	60 - 140
1,1,2-Trichloroethane	ND	vs	61.0	55.1	vs	ug/Kg	✱	90	78 - 122
1,1-Dichloroethane	ND	vs	61.0	63.6	vs	ug/Kg	✱	104	73 - 126
1,1-Dichloroethene	ND	vs	61.0	62.8	vs	ug/Kg	✱	103	59 - 125
1,2,4-Trichlorobenzene	ND	F1 vs	61.0	31.5	F1 vs	ug/Kg	✱	52	64 - 120
1,2-Dibromo-3-Chloropropane	ND	vs	61.0	45.4	vs	ug/Kg	✱	74	63 - 124
1,2-Dichlorobenzene	ND	F1 vs	61.0	49.7	vs	ug/Kg	✱	82	75 - 120
1,2-Dichloroethane	ND	F1 vs	61.0	50.6	vs	ug/Kg	✱	83	77 - 122
1,2-Dichloropropane	ND	vs	61.0	61.0	vs	ug/Kg	✱	100	75 - 124
1,3-Dichlorobenzene	ND	vs	61.0	51.5	vs	ug/Kg	✱	85	74 - 120
1,4-Dichlorobenzene	ND	vs	61.0	51.1	vs	ug/Kg	✱	84	73 - 120
2-Butanone (MEK)	ND	F1 vs	305	227	vs	ug/Kg	✱	74	70 - 134
2-Hexanone	ND	vs	305	242	vs	ug/Kg	✱	79	59 - 130
4-Methyl-2-pentanone (MIBK)	ND	vs	305	249	vs	ug/Kg	✱	82	65 - 133
Acetone	5.3	J vs	305	233	vs	ug/Kg	✱	75	61 - 137
Benzene	ND	vs	61.0	62.5	vs	ug/Kg	✱	102	79 - 127
Bromoform	ND	vs	61.0	56.3	vs	ug/Kg	✱	92	68 - 126
Bromomethane	ND	vs	61.0	69.5	vs	ug/Kg	✱	114	37 - 149
Carbon disulfide	ND	vs	61.0	61.5	vs	ug/Kg	✱	101	64 - 131
Carbon tetrachloride	ND	vs	61.0	64.1	vs	ug/Kg	✱	105	75 - 135
Chlorobenzene	ND	vs	61.0	56.5	vs	ug/Kg	✱	93	76 - 124
Dibromochloromethane	ND	vs	61.0	60.7	vs	ug/Kg	✱	100	76 - 125
Chloroethane	ND	vs	61.0	70.5	vs	ug/Kg	✱	116	69 - 135
Chloroform	ND	vs	61.0	58.7	vs	ug/Kg	✱	96	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND	vs	61.0	74.2	vs	ug/Kg	✱	122	63 - 127
cis-1,2-Dichloroethene	ND	vs	61.0	59.9	vs	ug/Kg	✱	98	80 - 120
Cyclohexane	ND	vs	61.0	60.3	vs	ug/Kg	✱	99	65 - 120
Bromodichloromethane	ND	vs	61.0	58.0	vs	ug/Kg	✱	95	80 - 122
Dichlorodifluoromethane	ND	vs	61.0	70.0	vs	ug/Kg	✱	115	57 - 142
Ethylbenzene	ND	vs	61.0	59.4	vs	ug/Kg	✱	97	80 - 120
1,2-Dibromoethane	ND	vs	61.0	54.6	vs	ug/Kg	✱	90	78 - 120
Isopropylbenzene	ND	vs	61.0	68.6	vs	ug/Kg	✱	112	72 - 120
Methyl acetate	ND	vs	122	96.1	vs	ug/Kg	✱	79	55 - 136
Methyl tert-butyl ether	ND	vs	61.0	51.7	vs	ug/Kg	✱	85	63 - 125
Methylcyclohexane	ND	vs	61.0	51.6	vs	ug/Kg	✱	85	60 - 140
Methylene Chloride	31	vs	61.0	99.8	vs	ug/Kg	✱	113	61 - 127
Tetrachloroethene	ND	vs	61.0	59.5	vs	ug/Kg	✱	98	74 - 122
Toluene	ND	vs	61.0	63.2	vs	ug/Kg	✱	104	74 - 128
trans-1,2-Dichloroethene	21	vs	61.0	89.6	vs	ug/Kg	✱	112	78 - 126
trans-1,3-Dichloropropene	ND	vs	61.0	58.0	vs	ug/Kg	✱	95	73 - 123
Trichloroethene	ND	vs	61.0	57.6	vs	ug/Kg	✱	94	77 - 129
Trichlorofluoromethane	ND	vs	61.0	62.7	vs	ug/Kg	✱	103	65 - 146
Vinyl chloride	ND	vs	61.0	72.0	vs	ug/Kg	✱	118	61 - 133
cis-1,3-Dichloropropene	ND	vs	61.0	56.0	vs	ug/Kg	✱	92	80 - 120
Styrene	ND	vs	61.0	55.9	vs	ug/Kg	✱	92	80 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	86		64 - 126						
4-Bromofluorobenzene (Surr)	93		72 - 126						
Toluene-d8 (Surr)	109		71 - 125						
Dibromofluoromethane (Surr)	96		60 - 140						

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	61.5	54.2	vs	ug/Kg	✱	88	77 - 121	17	30
1,1,2,2-Tetrachloroethane	ND	F1 vs	61.5	47.6	F1 vs	ug/Kg	✱	77	80 - 120	16	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	61.5	53.1	vs	ug/Kg	✱	86	60 - 140	4	30
1,1,2-Trichloroethane	ND	vs	61.5	49.8	vs	ug/Kg	✱	81	78 - 122	10	30
1,1-Dichloroethane	ND	vs	61.5	57.7	vs	ug/Kg	✱	94	73 - 126	10	30
1,1-Dichloroethene	ND	vs	61.5	55.2	vs	ug/Kg	✱	90	59 - 125	13	30
1,2,4-Trichlorobenzene	ND	F1 vs	61.5	30.0	F1 vs	ug/Kg	✱	49	64 - 120	5	30
1,2-Dibromo-3-Chloropropane	ND	vs	61.5	41.6	vs	ug/Kg	✱	68	63 - 124	9	30
1,2-Dichlorobenzene	ND	F1 vs	61.5	44.4	F1 vs	ug/Kg	✱	72	75 - 120	11	30
1,2-Dichloroethane	ND	F1 vs	61.5	46.9	F1 vs	ug/Kg	✱	76	77 - 122	8	30
1,2-Dichloropropane	ND	vs	61.5	56.2	vs	ug/Kg	✱	91	75 - 124	8	30
1,3-Dichlorobenzene	ND	vs	61.5	46.1	vs	ug/Kg	✱	75	74 - 120	11	30
1,4-Dichlorobenzene	ND	vs	61.5	45.2	vs	ug/Kg	✱	74	73 - 120	12	30
2-Butanone (MEK)	ND	F1 vs	307	205	F1 vs	ug/Kg	✱	67	70 - 134	10	30
2-Hexanone	ND	vs	307	208	vs	ug/Kg	✱	68	59 - 130	15	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747696

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND	vs	307	218	vs	ug/Kg	✱	71	65 - 133	13	30
Acetone	5.3	J vs	307	208	vs	ug/Kg	✱	66	61 - 137	11	30
Benzene	ND	vs	61.5	56.6	vs	ug/Kg	✱	92	79 - 127	10	30
Bromoform	ND	vs	61.5	50.3	vs	ug/Kg	✱	82	68 - 126	11	30
Bromomethane	ND	vs	61.5	61.6	vs	ug/Kg	✱	100	37 - 149	12	30
Carbon disulfide	ND	vs	61.5	54.6	vs	ug/Kg	✱	89	64 - 131	12	30
Carbon tetrachloride	ND	vs	61.5	55.6	vs	ug/Kg	✱	90	75 - 135	14	30
Chlorobenzene	ND	vs	61.5	52.3	vs	ug/Kg	✱	85	76 - 124	8	30
Dibromochloromethane	ND	vs	61.5	55.6	vs	ug/Kg	✱	90	76 - 125	9	30
Chloroethane	ND	vs	61.5	62.5	vs	ug/Kg	✱	102	69 - 135	12	30
Chloroform	ND	vs	61.5	53.1	vs	ug/Kg	✱	86	80 - 120	10	30
Chloromethane	ND	vs	61.5	66.7	vs	ug/Kg	✱	108	63 - 127	11	30
cis-1,2-Dichloroethene	ND	vs	61.5	54.9	vs	ug/Kg	✱	89	80 - 120	9	30
Cyclohexane	ND	vs	61.5	51.6	vs	ug/Kg	✱	84	65 - 120	16	30
Bromodichloromethane	ND	vs	61.5	54.0	vs	ug/Kg	✱	88	80 - 122	7	30
Dichlorodifluoromethane	ND	vs	61.5	60.4	vs	ug/Kg	✱	98	57 - 142	15	30
Ethylbenzene	ND	vs	61.5	52.4	vs	ug/Kg	✱	85	80 - 120	13	30
1,2-Dibromoethane	ND	vs	61.5	50.6	vs	ug/Kg	✱	82	78 - 120	8	30
Isopropylbenzene	ND	vs	61.5	57.2	vs	ug/Kg	✱	93	72 - 120	18	30
Methyl acetate	ND	vs	123	86.8	vs	ug/Kg	✱	71	55 - 136	10	30
Methyl tert-butyl ether	ND	vs	61.5	45.1	vs	ug/Kg	✱	73	63 - 125	14	30
Methylcyclohexane	ND	vs	61.5	44.1	vs	ug/Kg	✱	72	60 - 140	16	30
Methylene Chloride	31	vs	61.5	83.3	vs	ug/Kg	✱	85	61 - 127	18	30
Tetrachloroethene	ND	vs	61.5	52.1	vs	ug/Kg	✱	85	74 - 122	13	30
Toluene	ND	vs	61.5	56.4	vs	ug/Kg	✱	92	74 - 128	11	30
trans-1,2-Dichloroethene	21	vs	61.5	70.1	vs	ug/Kg	✱	79	78 - 126	24	30
trans-1,3-Dichloropropene	ND	vs	61.5	53.5	vs	ug/Kg	✱	87	73 - 123	8	30
Trichloroethene	ND	vs	61.5	54.2	vs	ug/Kg	✱	88	77 - 129	6	30
Trichlorofluoromethane	ND	vs	61.5	53.0	vs	ug/Kg	✱	86	65 - 146	17	30
Vinyl chloride	ND	vs	61.5	62.3	vs	ug/Kg	✱	101	61 - 133	14	30
cis-1,3-Dichloropropene	ND	vs	61.5	52.9	vs	ug/Kg	✱	86	80 - 120	6	30
Styrene	ND	vs	61.5	49.5	vs	ug/Kg	✱	81	80 - 120	12	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		64 - 126
4-Bromofluorobenzene (Surr)	96		72 - 126
Toluene-d8 (Surr)	107		71 - 125
Dibromofluoromethane (Surr)	94		60 - 140

Lab Sample ID: MB 480-747822/2-A

Matrix: Solid

Analysis Batch: 747823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/03/25 18:54	06/03/25 22:04	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747822/2-A

Matrix: Solid

Analysis Batch: 747823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
2-Hexanone	ND		25	2.5	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Acetone	ND		25	4.2	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Benzene	ND		5.0	0.25	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Bromoform	ND		5.0	2.5	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Chloroform	ND		5.0	0.31	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Methyl acetate	ND		25	3.0	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Toluene	ND		5.0	0.38	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Xylenes, Total	ND		10	0.84	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/03/25 18:54	06/03/25 22:04	1
Styrene	ND		5.0	0.25	ug/Kg		06/03/25 18:54	06/03/25 22:04	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	06/03/25 18:54	06/03/25 22:04	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747822/2-A

Matrix: Solid

Analysis Batch: 747823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747822

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 126	06/03/25 18:54	06/03/25 22:04	1
4-Bromofluorobenzene (Surr)	102		72 - 126	06/03/25 18:54	06/03/25 22:04	1
Toluene-d8 (Surr)	98		71 - 125	06/03/25 18:54	06/03/25 22:04	1
Dibromofluoromethane (Surr)	98		60 - 140	06/03/25 18:54	06/03/25 22:04	1

Lab Sample ID: LCS 480-747822/1-A

Matrix: Solid

Analysis Batch: 747823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	50.8		ug/Kg		102	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.6		ug/Kg		87	60 - 140
1,1,2-Trichloroethane	50.0	51.7		ug/Kg		103	78 - 122
1,1-Dichloroethane	50.0	51.8		ug/Kg		104	73 - 126
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	48.7		ug/Kg		97	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.1		ug/Kg		104	63 - 124
1,2-Dichlorobenzene	50.0	49.2		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.5		ug/Kg		93	77 - 122
1,2-Dichloropropane	50.0	53.0		ug/Kg		106	75 - 124
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	48.9		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	296		ug/Kg		119	70 - 134
2-Hexanone	250	281		ug/Kg		112	59 - 130
4-Methyl-2-pentanone (MIBK)	250	269		ug/Kg		107	65 - 133
Acetone	250	311		ug/Kg		124	61 - 137
Benzene	50.0	51.3		ug/Kg		103	79 - 127
Bromoform	50.0	60.3		ug/Kg		121	68 - 126
Bromomethane	50.0	49.6		ug/Kg		99	37 - 149
Carbon disulfide	50.0	48.9		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	54.3		ug/Kg		109	75 - 135
Chlorobenzene	50.0	50.3		ug/Kg		101	76 - 124
Dibromochloromethane	50.0	56.9		ug/Kg		114	76 - 125
Chloroethane	50.0	50.7		ug/Kg		101	69 - 135
Chloroform	50.0	47.6		ug/Kg		95	80 - 120
Chloromethane	50.0	52.0		ug/Kg		104	63 - 127
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	81 - 120
Cyclohexane	50.0	51.7		ug/Kg		103	65 - 120
Bromodichloromethane	50.0	51.8		ug/Kg		104	80 - 122
Dichlorodifluoromethane	50.0	48.1		ug/Kg		96	57 - 142
Ethylbenzene	50.0	51.3		ug/Kg		103	80 - 120
1,2-Dibromoethane	50.0	52.5		ug/Kg		105	78 - 120
Isopropylbenzene	50.0	51.4		ug/Kg		103	72 - 120
Methyl acetate	100	113		ug/Kg		113	55 - 136
Methyl tert-butyl ether	50.0	49.1		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	52.0		ug/Kg		104	60 - 140
Methylene Chloride	50.0	54.0		ug/Kg		108	61 - 127

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747822/1-A

Matrix: Solid

Analysis Batch: 747823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	50.0	51.6		ug/Kg		103	74 - 122
Toluene	50.0	51.2		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	78 - 126
trans-1,3-Dichloropropene	50.0	55.6		ug/Kg		111	73 - 123
Trichloroethene	50.0	50.1		ug/Kg		100	77 - 129
Trichlorofluoromethane	50.0	44.6		ug/Kg		89	65 - 146
Vinyl chloride	50.0	52.0		ug/Kg		104	61 - 133
cis-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	80 - 120
Styrene	50.0	51.6		ug/Kg		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Toluene-d8 (Surr)	100		71 - 125
Dibromofluoromethane (Surr)	96		60 - 140

Lab Sample ID: MB 480-747939/2-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
2-Hexanone	ND		25	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Acetone	ND		25	4.2	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Benzene	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromoform	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloroform	ND		5.0	0.31	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/04/25 18:51	06/04/25 21:52	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747939/2-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methyl acetate	ND		25	3.0	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Toluene	ND		5.0	0.38	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Xylenes, Total	ND		10	0.84	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Styrene	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	06/04/25 18:51	06/04/25 21:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/04/25 18:51	06/04/25 21:52	1
4-Bromofluorobenzene (Surr)	98		72 - 126	06/04/25 18:51	06/04/25 21:52	1
Toluene-d8 (Surr)	99		71 - 125	06/04/25 18:51	06/04/25 21:52	1
Dibromofluoromethane (Surr)	98		60 - 140	06/04/25 18:51	06/04/25 21:52	1

Lab Sample ID: LCS 480-747939/1-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	60.3		ug/Kg		121	77 - 121
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	66.6		ug/Kg		133	60 - 140
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	57.3		ug/Kg		115	73 - 126
1,1-Dichloroethene	50.0	61.0		ug/Kg		122	59 - 125
1,2,4-Trichlorobenzene	50.0	54.1		ug/Kg		108	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	58.1		ug/Kg		116	63 - 124
1,2-Dichlorobenzene	50.0	53.0		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	77 - 122
1,2-Dichloropropane	50.0	54.0		ug/Kg		108	75 - 124

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747939/1-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	50.0	52.7		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	52.2		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	280		ug/Kg		112	70 - 134
2-Hexanone	250	277		ug/Kg		111	59 - 130
4-Methyl-2-pentanone (MIBK)	250	282		ug/Kg		113	65 - 133
Acetone	250	287		ug/Kg		115	61 - 137
Benzene	50.0	55.2		ug/Kg		110	79 - 127
Bromoform	50.0	51.1		ug/Kg		102	68 - 126
Bromomethane	50.0	55.1		ug/Kg		110	37 - 149
Carbon disulfide	50.0	59.6		ug/Kg		119	64 - 131
Carbon tetrachloride	50.0	60.7		ug/Kg		121	75 - 135
Chlorobenzene	50.0	52.0		ug/Kg		104	76 - 124
Dibromochloromethane	50.0	51.5		ug/Kg		103	76 - 125
Chloroethane	50.0	59.4		ug/Kg		119	69 - 135
Chloroform	50.0	53.8		ug/Kg		108	80 - 120
Chloromethane	50.0	60.3		ug/Kg		121	63 - 127
cis-1,2-Dichloroethene	50.0	54.8		ug/Kg		110	81 - 120
Cyclohexane	50.0	65.1	*+	ug/Kg		130	65 - 120
Bromodichloromethane	50.0	53.6		ug/Kg		107	80 - 122
Dichlorodifluoromethane	50.0	66.9		ug/Kg		134	57 - 142
Ethylbenzene	50.0	55.4		ug/Kg		111	80 - 120
1,2-Dibromoethane	50.0	50.1		ug/Kg		100	78 - 120
Isopropylbenzene	50.0	61.5	*+	ug/Kg		123	72 - 120
Methyl acetate	100	115		ug/Kg		115	55 - 136
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	64.5		ug/Kg		129	60 - 140
Methylene Chloride	50.0	55.9		ug/Kg		112	61 - 127
Tetrachloroethene	50.0	56.7		ug/Kg		113	74 - 122
Toluene	50.0	54.4		ug/Kg		109	74 - 128
trans-1,2-Dichloroethene	50.0	58.5		ug/Kg		117	78 - 126
trans-1,3-Dichloropropene	50.0	51.9		ug/Kg		104	73 - 123
Trichloroethene	50.0	57.3		ug/Kg		115	77 - 129
Trichlorofluoromethane	50.0	64.6		ug/Kg		129	65 - 146
Vinyl chloride	50.0	64.3		ug/Kg		129	61 - 133
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Styrene	50.0	51.8		ug/Kg		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	100		71 - 125
Dibromofluoromethane (Surr)	101		60 - 140

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747709/1-A

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
1,4-Dioxane	ND		100	37	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Chloronaphthalene	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Chlorophenol	ND		170	27	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Methylnaphthalene	ND		170	27	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Methylphenol	ND		170	27	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Nitroaniline	ND		330	29	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
2-Nitrophenol	ND		170	19	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
3-Nitroaniline	ND		330	24	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Chloroaniline	ND		170	24	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Methylphenol	ND		330	30	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Nitroaniline	ND		330	25	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
4-Nitrophenol	ND		330	46	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Acenaphthene	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Acenaphthylene	ND		170	33	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Acetophenone	ND		170	30	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Anthracene	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Atrazine	ND		170	57	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzaldehyde	ND		170	130	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzo[a]anthracene	ND		170	23	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzo[a]pyrene	ND		170	29	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Caprolactam	ND		170	39	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Carbazole	ND		170	33	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Chrysene	ND		170	41	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Dibenzofuran	ND		170	30	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Diethyl phthalate	ND		170	30	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Dimethyl phthalate	ND		170	33	ug/Kg		06/03/25 06:37	06/04/25 11:14	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747709/1-A

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		170	38	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Fluoranthene	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Fluorene	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Hexachlorobenzene	ND		170	33	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Hexachlorobutadiene	ND		170	25	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Hexachloroethane	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Isophorone	ND		170	35	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Naphthalene	ND		170	28	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Nitrobenzene	ND		170	28	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Pentachlorophenol	ND		330	54	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Phenanthrene	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Phenol	ND		170	31	ug/Kg		06/03/25 06:37	06/04/25 11:14	1
Pyrene	ND		170	32	ug/Kg		06/03/25 06:37	06/04/25 11:14	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	22300	T J	ug/Kg		2.00	N/A	06/03/25 06:37	06/04/25 11:14	1
Unknown	11500	T J	ug/Kg		3.47	N/A	06/03/25 06:37	06/04/25 11:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		22 - 120	06/03/25 06:37	06/04/25 11:14	1
p-Terphenyl-d14 (Surr)	83		28 - 124	06/03/25 06:37	06/04/25 11:14	1
Phenol-d5 (Surr)	76		23 - 120	06/03/25 06:37	06/04/25 11:14	1
2-Fluorophenol (Surr)	73		18 - 120	06/03/25 06:37	06/04/25 11:14	1
2,4,6-Tribromophenol (Surr)	61		10 - 140	06/03/25 06:37	06/04/25 11:14	1
2-Fluorobiphenyl (Surr)	80		29 - 120	06/03/25 06:37	06/04/25 11:14	1

Lab Sample ID: LCS 480-747709/2-A

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	2670	2260		ug/Kg		85	59 - 120
1,4-Dioxane	2670	1270		ug/Kg		48	13 - 120
bis (2-chloroisopropyl) ether	2670	2130		ug/Kg		80	34 - 120
2,4,5-Trichlorophenol	2670	2040		ug/Kg		76	58 - 120
2,4,6-Trichlorophenol	2670	2090		ug/Kg		78	60 - 120
2,4-Dichlorophenol	2670	1990		ug/Kg		75	53 - 120
2,4-Dimethylphenol	2670	2130		ug/Kg		80	55 - 120
2,4-Dinitrophenol	5330	2470		ug/Kg		46	15 - 120
2,4-Dinitrotoluene	2670	2180		ug/Kg		82	64 - 127
2,6-Dinitrotoluene	2670	2270		ug/Kg		85	65 - 123
2-Chloronaphthalene	2670	2230		ug/Kg		84	57 - 120
2-Chlorophenol	2670	2060		ug/Kg		77	46 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747709/2-A

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	2670	2050		ug/Kg		77	55 - 120
2-Methylphenol	2670	2170		ug/Kg		81	51 - 120
2-Nitroaniline	2670	2230		ug/Kg		84	58 - 129
2-Nitrophenol	2670	2170		ug/Kg		81	46 - 120
3,3'-Dichlorobenzidine	2670	2010		ug/Kg		75	10 - 120
3-Nitroaniline	2670	1830		ug/Kg		69	51 - 120
4,6-Dinitro-2-methylphenol	5330	4030		ug/Kg		76	40 - 123
4-Bromophenyl phenyl ether	2670	2430		ug/Kg		91	69 - 126
4-Chloro-3-methylphenol	2670	2080		ug/Kg		78	55 - 120
4-Chloroaniline	2670	1590		ug/Kg		60	48 - 120
4-Chlorophenyl phenyl ether	2670	2200		ug/Kg		83	66 - 120
4-Methylphenol	2670	2100		ug/Kg		79	51 - 120
4-Nitroaniline	2670	1980		ug/Kg		74	54 - 126
4-Nitrophenol	5330	3400		ug/Kg		64	41 - 145
Acenaphthene	2670	2260		ug/Kg		85	63 - 120
Acenaphthylene	2670	2250		ug/Kg		84	59 - 123
Acetophenone	2670	2080		ug/Kg		78	49 - 120
Anthracene	2670	2340		ug/Kg		88	70 - 125
Atrazine	2670	1650		ug/Kg		62	48 - 136
Benzaldehyde	2670	1520		ug/Kg		57	10 - 131
Benzo[a]anthracene	2670	2320		ug/Kg		87	73 - 128
Benzo[a]pyrene	2670	2390		ug/Kg		90	63 - 129
Benzo[b]fluoranthene	2670	2360		ug/Kg		89	68 - 133
Benzo[g,h,i]perylene	2670	2370		ug/Kg		89	66 - 135
Benzo[k]fluoranthene	2670	2580		ug/Kg		97	70 - 133
Bis(2-chloroethoxy)methane	2670	2170		ug/Kg		81	49 - 120
Bis(2-chloroethyl)ether	2670	2120		ug/Kg		79	40 - 120
Bis(2-ethylhexyl) phthalate	2670	2560		ug/Kg		96	65 - 140
Butyl benzyl phthalate	2670	2450		ug/Kg		92	66 - 140
Caprolactam	2670	1400		ug/Kg		52	47 - 120
Carbazole	2670	2390		ug/Kg		90	67 - 127
Chrysene	2670	2290		ug/Kg		86	73 - 127
Dibenz(a,h)anthracene	2670	2280		ug/Kg		86	68 - 133
Dibenzofuran	2670	2130		ug/Kg		80	64 - 120
Diethyl phthalate	2670	2170		ug/Kg		81	62 - 133
Dimethyl phthalate	2670	2170		ug/Kg		82	66 - 125
Di-n-butyl phthalate	2670	2240		ug/Kg		84	65 - 138
Di-n-octyl phthalate	2670	2260		ug/Kg		85	65 - 140
Fluoranthene	2670	2270		ug/Kg		85	66 - 129
Fluorene	2670	2310		ug/Kg		86	66 - 120
Hexachlorobenzene	2670	2310		ug/Kg		87	68 - 129
Hexachlorobutadiene	2670	1940		ug/Kg		73	43 - 122
Hexachlorocyclopentadiene	2670	2100		ug/Kg		79	30 - 125
Hexachloroethane	2670	1950		ug/Kg		73	36 - 120
Indeno[1,2,3-cd]pyrene	2670	2160		ug/Kg		81	68 - 133
Isophorone	2670	2150		ug/Kg		81	54 - 120
Naphthalene	2670	2080		ug/Kg		78	49 - 120
Nitrobenzene	2670	2120		ug/Kg		80	46 - 120
N-Nitrosodi-n-propylamine	2670	2110		ug/Kg		79	48 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747709/2-A

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodiphenylamine	2670	2380		ug/Kg		89	69 - 126
Pentachlorophenol	5330	3690		ug/Kg		69	10 - 124
Phenanthrene	2670	2390		ug/Kg		90	69 - 124
Phenol	2670	2100		ug/Kg		79	46 - 120
Pyrene	2670	2620		ug/Kg		98	70 - 141

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	79		22 - 120
p-Terphenyl-d14 (Surr)	98		28 - 124
Phenol-d5 (Surr)	81		23 - 120
2-Fluorophenol (Surr)	79		18 - 120
2,4,6-Tribromophenol (Surr)	91		10 - 140
2-Fluorobiphenyl (Surr)	85		29 - 120

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	ND		3320	2750		ug/Kg	✱	83	58 - 120
1,4-Dioxane	ND		3320	1500		ug/Kg	✱	45	13 - 120
bis (2-chloroisopropyl) ether	ND		3320	2580		ug/Kg	✱	78	31 - 120
2,4,5-Trichlorophenol	ND		3320	2780		ug/Kg	✱	84	46 - 120
2,4,6-Trichlorophenol	ND		3320	2830		ug/Kg	✱	85	41 - 123
2,4-Dichlorophenol	ND		3320	2600		ug/Kg	✱	79	45 - 120
2,4-Dimethylphenol	ND		3320	2500		ug/Kg	✱	75	52 - 120
2,4-Dinitrophenol	ND		6630	3830		ug/Kg	✱	58	41 - 146
2,4-Dinitrotoluene	ND		3320	2820		ug/Kg	✱	85	63 - 125
2,6-Dinitrotoluene	ND		3320	2690		ug/Kg	✱	81	66 - 120
2-Chloronaphthalene	ND		3320	2690		ug/Kg	✱	81	57 - 120
2-Chlorophenol	ND		3320	2540		ug/Kg	✱	77	43 - 120
2-Methylnaphthalene	ND		3320	2480		ug/Kg	✱	75	55 - 120
2-Methylphenol	ND		3320	2670		ug/Kg	✱	80	48 - 120
2-Nitroaniline	ND		3320	2800		ug/Kg	✱	84	61 - 120
2-Nitrophenol	ND		3320	2640		ug/Kg	✱	80	37 - 120
3,3'-Dichlorobenzidine	ND		3320	1990		ug/Kg	✱	60	37 - 126
3-Nitroaniline	ND		3320	2470		ug/Kg	✱	74	48 - 120
4,6-Dinitro-2-methylphenol	ND		6630	4970		ug/Kg	✱	75	23 - 149
4-Bromophenyl phenyl ether	ND		3320	2870		ug/Kg	✱	87	58 - 120
4-Chloro-3-methylphenol	ND		3320	2470		ug/Kg	✱	75	49 - 125
4-Chloroaniline	ND		3320	2000		ug/Kg	✱	60	38 - 120
4-Chlorophenyl phenyl ether	ND		3320	2650		ug/Kg	✱	80	63 - 124
4-Methylphenol	ND		3320	2580		ug/Kg	✱	78	50 - 120
4-Nitroaniline	ND		3320	2340		ug/Kg	✱	71	47 - 120
4-Nitrophenol	ND		6630	4870		ug/Kg	✱	74	31 - 147
Acenaphthene	71 J		3320	2870		ug/Kg	✱	84	60 - 120
Acenaphthylene	62 J		3320	2690		ug/Kg	✱	79	58 - 121
Acetophenone	ND		3320	2560		ug/Kg	✱	77	47 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	220	J	3320	2640		ug/Kg	✱	73	62 - 120
Atrazine	ND		3320	2010		ug/Kg	✱	61	60 - 150
Benzaldehyde	ND		3320	2020		ug/Kg	✱	61	10 - 150
Benzo[a]anthracene	520	F1	3320	2660	F1	ug/Kg	✱	64	65 - 120
Benzo[a]pyrene	440		3320	2570		ug/Kg	✱	64	64 - 120
Benzo[b]fluoranthene	520		3320	2380		ug/Kg	✱	56	10 - 150
Benzo[g,h,i]perylene	190	J	3320	2700		ug/Kg	✱	76	45 - 145
Benzo[k]fluoranthene	300		3320	2810		ug/Kg	✱	76	23 - 150
Bis(2-chloroethoxy)methane	ND		3320	2590		ug/Kg	✱	78	52 - 120
Bis(2-chloroethyl)ether	ND		3320	2630		ug/Kg	✱	79	45 - 120
Bis(2-ethylhexyl) phthalate	ND		3320	2990		ug/Kg	✱	90	61 - 133
Butyl benzyl phthalate	ND		3320	2840		ug/Kg	✱	86	61 - 120
Caprolactam	ND		3320	1760		ug/Kg	✱	53	37 - 133
Carbazole	48	J	3320	2770		ug/Kg	✱	82	59 - 120
Chrysene	520		3320	2700		ug/Kg	✱	66	64 - 120
Dibenz(a,h)anthracene	85	J	3320	2750		ug/Kg	✱	81	54 - 132
Dibenzofuran	44	J	3320	2540		ug/Kg	✱	75	62 - 120
Diethyl phthalate	ND		3320	2780		ug/Kg	✱	84	66 - 120
Dimethyl phthalate	ND		3320	2720		ug/Kg	✱	82	65 - 124
Di-n-butyl phthalate	ND		3320	2690		ug/Kg	✱	81	58 - 130
Di-n-octyl phthalate	ND		3320	2920		ug/Kg	✱	88	57 - 133
Fluoranthene	960	F1	3320	2740	F1	ug/Kg	✱	54	62 - 120
Fluorene	69	J	3320	2840		ug/Kg	✱	83	63 - 120
Hexachlorobenzene	ND		3320	2570		ug/Kg	✱	78	60 - 120
Hexachlorobutadiene	ND		3320	2350		ug/Kg	✱	71	45 - 120
Hexachlorocyclopentadiene	ND		3320	2020		ug/Kg	✱	61	31 - 120
Hexachloroethane	ND		3320	2430		ug/Kg	✱	73	21 - 120
Indeno[1,2,3-cd]pyrene	200	J	3320	2590		ug/Kg	✱	72	56 - 134
Isophorone	ND		3320	2530		ug/Kg	✱	76	56 - 120
Naphthalene	ND		3320	2580		ug/Kg	✱	78	46 - 120
Nitrobenzene	ND		3320	2530		ug/Kg	✱	76	49 - 120
N-Nitrosodi-n-propylamine	ND		3320	2640		ug/Kg	✱	80	46 - 120
N-Nitrosodiphenylamine	ND		3320	2810		ug/Kg	✱	85	20 - 128
Pentachlorophenol	ND		6630	4410		ug/Kg	✱	67	10 - 136
Phenanthrene	780		3320	2820		ug/Kg	✱	62	60 - 122
Phenol	ND		3320	2600		ug/Kg	✱	78	50 - 120
Pyrene	900	F1	3320	2780	F1	ug/Kg	✱	57	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		22 - 120
p-Terphenyl-d14 (Surr)	87		28 - 124
Phenol-d5 (Surr)	86		23 - 120
2-Fluorophenol (Surr)	79		18 - 120
2,4,6-Tribromophenol (Surr)	85		10 - 140
2-Fluorobiphenyl (Surr)	84		29 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	ND		3180	2720		ug/Kg	✱	86	58 - 120	1	20
1,4-Dioxane	ND		3180	1510		ug/Kg	✱	47	13 - 120	0	50
bis (2-chloroisopropyl) ether	ND		3180	2610		ug/Kg	✱	82	31 - 120	1	24
2,4,5-Trichlorophenol	ND		3180	2840		ug/Kg	✱	89	46 - 120	2	18
2,4,6-Trichlorophenol	ND		3180	2870		ug/Kg	✱	90	41 - 123	2	19
2,4-Dichlorophenol	ND		3180	2510		ug/Kg	✱	79	45 - 120	4	19
2,4-Dimethylphenol	ND		3180	2670		ug/Kg	✱	84	52 - 120	7	42
2,4-Dinitrophenol	ND		6360	3920		ug/Kg	✱	62	41 - 146	2	22
2,4-Dinitrotoluene	ND		3180	2980		ug/Kg	✱	94	63 - 125	6	20
2,6-Dinitrotoluene	ND		3180	2930		ug/Kg	✱	92	66 - 120	8	15
2-Chloronaphthalene	ND		3180	2670		ug/Kg	✱	84	57 - 120	1	21
2-Chlorophenol	ND		3180	2640		ug/Kg	✱	83	43 - 120	4	25
2-Methylnaphthalene	ND		3180	2610		ug/Kg	✱	82	55 - 120	5	21
2-Methylphenol	ND		3180	2600		ug/Kg	✱	82	48 - 120	3	27
2-Nitroaniline	ND		3180	2780		ug/Kg	✱	87	61 - 120	1	15
2-Nitrophenol	ND		3180	2870		ug/Kg	✱	90	37 - 120	8	18
3,3'-Dichlorobenzidine	ND		3180	2450		ug/Kg	✱	77	37 - 126	21	25
3-Nitroaniline	ND		3180	2240		ug/Kg	✱	70	48 - 120	10	19
4,6-Dinitro-2-methylphenol	ND		6360	5100		ug/Kg	✱	80	23 - 149	3	15
4-Bromophenyl phenyl ether	ND		3180	3030		ug/Kg	✱	95	58 - 120	5	15
4-Chloro-3-methylphenol	ND		3180	2510		ug/Kg	✱	79	49 - 125	2	27
4-Chloroaniline	ND		3180	2130		ug/Kg	✱	67	38 - 120	7	22
4-Chlorophenyl phenyl ether	ND		3180	2650		ug/Kg	✱	83	63 - 124	0	16
4-Methylphenol	ND		3180	2610		ug/Kg	✱	82	50 - 120	1	24
4-Nitroaniline	ND		3180	2530		ug/Kg	✱	79	47 - 120	8	24
4-Nitrophenol	ND		6360	4580		ug/Kg	✱	72	31 - 147	6	25
Acenaphthene	71 J		3180	2860		ug/Kg	✱	88	60 - 120	0	35
Acenaphthylene	62 J		3180	2690		ug/Kg	✱	83	58 - 121	0	18
Acetophenone	ND		3180	2530		ug/Kg	✱	80	47 - 120	1	20
Anthracene	220 J		3180	2780		ug/Kg	✱	81	62 - 120	5	15
Atrazine	ND		3180	2050		ug/Kg	✱	65	60 - 150	2	20
Benzaldehyde	ND		3180	1860		ug/Kg	✱	59	10 - 150	8	20
Benzo[a]anthracene	520 F1		3180	2830		ug/Kg	✱	72	65 - 120	6	15
Benzo[a]pyrene	440		3180	2830		ug/Kg	✱	75	64 - 120	10	15
Benzo[b]fluoranthene	520		3180	2470		ug/Kg	✱	62	10 - 150	4	15
Benzo[g,h,i]perylene	190 J		3180	3150		ug/Kg	✱	93	45 - 145	15	15
Benzo[k]fluoranthene	300		3180	3030		ug/Kg	✱	86	23 - 150	7	22
Bis(2-chloroethoxy)methane	ND		3180	2730		ug/Kg	✱	86	52 - 120	5	17
Bis(2-chloroethyl)ether	ND		3180	2600		ug/Kg	✱	82	45 - 120	1	21
Bis(2-ethylhexyl) phthalate	ND		3180	3390		ug/Kg	✱	107	61 - 133	13	15
Butyl benzyl phthalate	ND		3180	3230		ug/Kg	✱	102	61 - 120	13	16
Caprolactam	ND		3180	1770		ug/Kg	✱	56	37 - 133	1	20
Carbazole	48 J		3180	2750		ug/Kg	✱	85	59 - 120	1	20
Chrysene	520		3180	2840		ug/Kg	✱	73	64 - 120	5	15
Dibenz(a,h)anthracene	85 J		3180	2940		ug/Kg	✱	90	54 - 132	7	15
Dibenzofuran	44 J		3180	2670		ug/Kg	✱	82	62 - 120	5	15
Diethyl phthalate	ND		3180	2850		ug/Kg	✱	89	66 - 120	3	15
Dimethyl phthalate	ND		3180	2870		ug/Kg	✱	90	65 - 124	5	15

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747866

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747709

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		3180	2830		ug/Kg	☼	89	58 - 130	5	15
Di-n-octyl phthalate	ND		3180	3080		ug/Kg	☼	97	57 - 133	5	16
Fluoranthene	960	F1	3180	2590	F1	ug/Kg	☼	51	62 - 120	6	15
Fluorene	69	J	3180	2870		ug/Kg	☼	88	63 - 120	1	15
Hexachlorobenzene	ND		3180	2850		ug/Kg	☼	89	60 - 120	10	15
Hexachlorobutadiene	ND		3180	2270		ug/Kg	☼	71	45 - 120	3	44
Hexachlorocyclopentadiene	ND		3180	2290		ug/Kg	☼	72	31 - 120	13	49
Hexachloroethane	ND		3180	2450		ug/Kg	☼	77	21 - 120	1	46
Indeno[1,2,3-cd]pyrene	200	J	3180	2940		ug/Kg	☼	86	56 - 134	13	15
Isophorone	ND		3180	2650		ug/Kg	☼	83	56 - 120	4	17
Naphthalene	ND		3180	2460		ug/Kg	☼	77	46 - 120	5	29
Nitrobenzene	ND		3180	2440		ug/Kg	☼	77	49 - 120	4	24
N-Nitrosodi-n-propylamine	ND		3180	2590		ug/Kg	☼	81	46 - 120	2	31
N-Nitrosodiphenylamine	ND		3180	2870		ug/Kg	☼	90	20 - 128	2	15
Pentachlorophenol	ND		6360	5120		ug/Kg	☼	80	10 - 136	15	35
Phenanthrene	780		3180	2820		ug/Kg	☼	64	60 - 122	0	15
Phenol	ND		3180	2530		ug/Kg	☼	80	50 - 120	3	35
Pyrene	900	F1	3180	3190		ug/Kg	☼	72	61 - 133	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	81		22 - 120
p-Terphenyl-d14 (Surr)	103		28 - 124
Phenol-d5 (Surr)	84		23 - 120
2-Fluorophenol (Surr)	80		18 - 120
2,4,6-Tribromophenol (Surr)	86		10 - 140
2-Fluorobiphenyl (Surr)	89		29 - 120

Lab Sample ID: MB 480-747710/1-A

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
1,4-Dioxane	ND		100	37	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Chloronaphthalene	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Chlorophenol	ND		170	27	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Methylnaphthalene	ND		170	27	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Methylphenol	ND		170	27	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Nitroaniline	ND		330	29	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
2-Nitrophenol	ND		170	19	ug/Kg		06/03/25 06:42	06/04/25 16:52	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747710/1-A

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
3-Nitroaniline	ND		330	24	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Chloroaniline	ND		170	24	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Methylphenol	ND		330	30	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Nitroaniline	ND		330	25	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
4-Nitrophenol	ND		330	46	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Acenaphthene	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Acenaphthylene	ND		170	33	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Acetophenone	ND		170	30	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Anthracene	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Atrazine	ND		170	57	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzaldehyde	ND		170	130	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzo[a]anthracene	ND		170	23	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzo[a]pyrene	ND		170	29	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Caprolactam	ND		170	39	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Carbazole	ND		170	33	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Chrysene	ND		170	41	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Dibenzofuran	ND		170	30	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Diethyl phthalate	ND		170	30	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Dimethyl phthalate	ND		170	33	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Fluoranthene	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Fluorene	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Hexachlorobenzene	ND		170	33	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Hexachlorobutadiene	ND		170	25	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Hexachloroethane	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Isophorone	ND		170	35	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Naphthalene	ND		170	28	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Nitrobenzene	ND		170	28	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Pentachlorophenol	ND		330	54	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Phenanthrene	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
Phenol	ND		170	31	ug/Kg		06/03/25 06:42	06/04/25 16:52	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747710/1-A

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		170	32	ug/Kg		06/03/25 06:42	06/04/25 16:52	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	6950	T J	ug/Kg		1.89	N/A	06/03/25 06:42	06/04/25 16:52	1
Unknown	16200	T J	ug/Kg		3.28	N/A	06/03/25 06:42	06/04/25 16:52	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Nitrobenzene-d5 (Surr)	61		22 - 120				06/03/25 06:42	06/04/25 16:52	1
p-Terphenyl-d14 (Surr)	78		28 - 124				06/03/25 06:42	06/04/25 16:52	1
Phenol-d5 (Surr)	65		23 - 120				06/03/25 06:42	06/04/25 16:52	1
2-Fluorophenol (Surr)	59		18 - 120				06/03/25 06:42	06/04/25 16:52	1
2,4,6-Tribromophenol (Surr)	59		10 - 140				06/03/25 06:42	06/04/25 16:52	1
2-Fluorobiphenyl (Surr)	69		29 - 120				06/03/25 06:42	06/04/25 16:52	1

Lab Sample ID: LCS 480-747710/2-A

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	2670	1490	*-	ug/Kg		56	59 - 120
1,4-Dioxane	2670	735		ug/Kg		28	13 - 120
bis (2-chloroisopropyl) ether	2670	1230		ug/Kg		46	34 - 120
2,4,5-Trichlorophenol	2670	1590		ug/Kg		60	58 - 120
2,4,6-Trichlorophenol	2670	1630		ug/Kg		61	60 - 120
2,4-Dichlorophenol	2670	1470		ug/Kg		55	53 - 120
2,4-Dimethylphenol	2670	1500		ug/Kg		56	55 - 120
2,4-Dinitrophenol	5330	2810		ug/Kg		53	15 - 120
2,4-Dinitrotoluene	2670	1700		ug/Kg		64	64 - 127
2,6-Dinitrotoluene	2670	1570	*-	ug/Kg		59	65 - 123
2-Chloronaphthalene	2670	1470	*-	ug/Kg		55	57 - 120
2-Chlorophenol	2670	1330		ug/Kg		50	46 - 120
2-Methylnaphthalene	2670	1420	*-	ug/Kg		53	55 - 120
2-Methylphenol	2670	1370		ug/Kg		52	51 - 120
2-Nitroaniline	2670	1570		ug/Kg		59	58 - 129
2-Nitrophenol	2670	1390		ug/Kg		52	46 - 120
3,3'-Dichlorobenzidine	2670	1440		ug/Kg		54	10 - 120
3-Nitroaniline	2670	1500		ug/Kg		56	51 - 120
4,6-Dinitro-2-methylphenol	5330	3320		ug/Kg		62	40 - 123
4-Bromophenyl phenyl ether	2670	1670	*-	ug/Kg		63	69 - 126
4-Chloro-3-methylphenol	2670	1640		ug/Kg		62	55 - 120
4-Chloroaniline	2670	1220	*-	ug/Kg		46	48 - 120
4-Chlorophenyl phenyl ether	2670	1650	*-	ug/Kg		62	66 - 120
4-Methylphenol	2670	1450		ug/Kg		54	51 - 120
4-Nitroaniline	2670	1660		ug/Kg		62	54 - 126
4-Nitrophenol	5330	3520		ug/Kg		66	41 - 145
Acenaphthene	2670	1540	*-	ug/Kg		58	63 - 120
Acenaphthylene	2670	1510	*-	ug/Kg		57	59 - 123
Acetophenone	2670	1340		ug/Kg		50	49 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747710/2-A

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	2670	1690	*-	ug/Kg		63	70 - 125
Atrazine	2670	1380		ug/Kg		52	48 - 136
Benzaldehyde	2670	832		ug/Kg		31	10 - 131
Benzo[a]anthracene	2670	1700	*-	ug/Kg		64	73 - 128
Benzo[a]pyrene	2670	1710		ug/Kg		64	63 - 129
Benzo[b]fluoranthene	2670	1600	*-	ug/Kg		60	68 - 133
Benzo[g,h,i]perylene	2670	1740	*-	ug/Kg		65	66 - 135
Benzo[k]fluoranthene	2670	1860		ug/Kg		70	70 - 133
Bis(2-chloroethoxy)methane	2670	1410		ug/Kg		53	49 - 120
Bis(2-chloroethyl)ether	2670	1240		ug/Kg		46	40 - 120
Bis(2-ethylhexyl) phthalate	2670	1590	*-	ug/Kg		60	65 - 140
Butyl benzyl phthalate	2670	1490	*-	ug/Kg		56	66 - 140
Caprolactam	2670	1020	*-	ug/Kg		38	47 - 120
Carbazole	2670	1760	*-	ug/Kg		66	67 - 127
Chrysene	2670	1690	*-	ug/Kg		63	73 - 127
Dibenz(a,h)anthracene	2670	1660	*-	ug/Kg		62	68 - 133
Dibenzofuran	2670	1600	*-	ug/Kg		60	64 - 120
Diethyl phthalate	2670	1660		ug/Kg		62	62 - 133
Dimethyl phthalate	2670	1610	*-	ug/Kg		60	66 - 125
Di-n-butyl phthalate	2670	1560	*-	ug/Kg		58	65 - 138
Di-n-octyl phthalate	2670	1440	*-	ug/Kg		54	65 - 140
Fluoranthene	2670	1750	*-	ug/Kg		65	66 - 129
Fluorene	2670	1650	*-	ug/Kg		62	66 - 120
Hexachlorobenzene	2670	1670	*-	ug/Kg		63	68 - 129
Hexachlorobutadiene	2670	1370		ug/Kg		51	43 - 122
Hexachlorocyclopentadiene	2670	1200		ug/Kg		45	30 - 125
Hexachloroethane	2670	1180		ug/Kg		44	36 - 120
Indeno[1,2,3-cd]pyrene	2670	1660	*-	ug/Kg		62	68 - 133
Isophorone	2670	1400	*-	ug/Kg		53	54 - 120
Naphthalene	2670	1380		ug/Kg		52	49 - 120
Nitrobenzene	2670	1320		ug/Kg		49	46 - 120
N-Nitrosodi-n-propylamine	2670	1370		ug/Kg		51	48 - 120
N-Nitrosodiphenylamine	2670	1680	*-	ug/Kg		63	69 - 126
Pentachlorophenol	5330	3190		ug/Kg		60	10 - 124
Phenanthrene	2670	1670	*-	ug/Kg		63	69 - 124
Phenol	2670	1300		ug/Kg		49	46 - 120
Pyrene	2670	1680	*-	ug/Kg		63	70 - 141

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	51		22 - 120
p-Terphenyl-d14 (Surr)	63		28 - 124
Phenol-d5 (Surr)	54		23 - 120
2-Fluorophenol (Surr)	47		18 - 120
2,4,6-Tribromophenol (Surr)	68		10 - 140
2-Fluorobiphenyl (Surr)	56		29 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	ND	*-	3240	2370		ug/Kg	✱	73	58 - 120
1,4-Dioxane	ND		3240	1090		ug/Kg	✱	34	13 - 120
bis (2-chloroisopropyl) ether	ND		3240	1940		ug/Kg	✱	60	31 - 120
2,4,5-Trichlorophenol	ND		3240	2640		ug/Kg	✱	81	46 - 120
2,4,6-Trichlorophenol	ND		3240	2590		ug/Kg	✱	80	41 - 123
2,4-Dichlorophenol	ND		3240	2430		ug/Kg	✱	75	45 - 120
2,4-Dimethylphenol	ND		3240	2370		ug/Kg	✱	73	52 - 120
2,4-Dinitrophenol	ND	F1 F2	6490	3060		ug/Kg	✱	47	41 - 146
2,4-Dinitrotoluene	ND		3240	2620		ug/Kg	✱	81	63 - 125
2,6-Dinitrotoluene	ND	*-	3240	2560		ug/Kg	✱	79	66 - 120
2-Chloronaphthalene	ND	*-	3240	2340		ug/Kg	✱	72	57 - 120
2-Chlorophenol	ND		3240	2150		ug/Kg	✱	66	43 - 120
2-Methylnaphthalene	ND	*-	3240	2260		ug/Kg	✱	70	55 - 120
2-Methylphenol	ND		3240	2200		ug/Kg	✱	68	48 - 120
2-Nitroaniline	ND		3240	2490		ug/Kg	✱	77	61 - 120
2-Nitrophenol	ND		3240	2350		ug/Kg	✱	73	37 - 120
3,3'-Dichlorobenzidine	ND		3240	2170		ug/Kg	✱	67	37 - 126
3-Nitroaniline	ND		3240	2450		ug/Kg	✱	75	48 - 120
4,6-Dinitro-2-methylphenol	ND	F2	6490	4490		ug/Kg	✱	69	23 - 149
4-Bromophenyl phenyl ether	ND	*-	3240	2510		ug/Kg	✱	77	58 - 120
4-Chloro-3-methylphenol	ND		3240	2650		ug/Kg	✱	82	49 - 125
4-Chloroaniline	ND	*-	3240	2040		ug/Kg	✱	63	38 - 120
4-Chlorophenyl phenyl ether	ND	*-	3240	2510		ug/Kg	✱	77	63 - 124
4-Methylphenol	ND		3240	2310		ug/Kg	✱	71	50 - 120
4-Nitroaniline	ND		3240	2520		ug/Kg	✱	78	47 - 120
4-Nitrophenol	ND		6490	5580		ug/Kg	✱	86	31 - 147
Acenaphthene	ND	*-	3240	2420		ug/Kg	✱	75	60 - 120
Acenaphthylene	ND	*-	3240	2390		ug/Kg	✱	74	58 - 121
Acetophenone	ND		3240	2100		ug/Kg	✱	65	47 - 120
Anthracene	ND	*-	3240	2550		ug/Kg	✱	79	62 - 120
Atrazine	ND		3240	2080		ug/Kg	✱	64	60 - 150
Benzaldehyde	ND		3240	1510		ug/Kg	✱	47	10 - 150
Benzo[a]anthracene	ND	*-	3240	2550		ug/Kg	✱	79	65 - 120
Benzo[a]pyrene	ND		3240	2630		ug/Kg	✱	81	64 - 120
Benzo[b]fluoranthene	ND	*-	3240	2450		ug/Kg	✱	76	10 - 150
Benzo[g,h,i]perylene	ND	*-	3240	2580		ug/Kg	✱	79	45 - 145
Benzo[k]fluoranthene	ND		3240	2700		ug/Kg	✱	83	23 - 150
Bis(2-chloroethoxy)methane	ND		3240	2240		ug/Kg	✱	69	52 - 120
Bis(2-chloroethyl)ether	ND		3240	2020		ug/Kg	✱	62	45 - 120
Bis(2-ethylhexyl) phthalate	ND	*-	3240	2440		ug/Kg	✱	75	61 - 133
Butyl benzyl phthalate	ND	*-	3240	2430		ug/Kg	✱	75	61 - 120
Caprolactam	ND	*-	3240	1530		ug/Kg	✱	47	37 - 133
Carbazole	ND	*-	3240	2630		ug/Kg	✱	81	59 - 120
Chrysene	ND	*-	3240	2450		ug/Kg	✱	76	64 - 120
Dibenz(a,h)anthracene	ND	*-	3240	2510		ug/Kg	✱	77	54 - 132
Dibenzofuran	ND	*-	3240	2520		ug/Kg	✱	78	62 - 120
Diethyl phthalate	ND		3240	2580		ug/Kg	✱	80	66 - 120
Dimethyl phthalate	ND	*-	3240	2500		ug/Kg	✱	77	65 - 124

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	ND	*-	3240	2410		ug/Kg	☼	74	58 - 130
Di-n-octyl phthalate	ND	*-	3240	2320		ug/Kg	☼	71	57 - 133
Fluoranthene	ND	*-	3240	2660		ug/Kg	☼	82	62 - 120
Fluorene	ND	*-	3240	2530		ug/Kg	☼	78	63 - 120
Hexachlorobenzene	ND	*-	3240	2580		ug/Kg	☼	80	60 - 120
Hexachlorobutadiene	ND		3240	2200		ug/Kg	☼	68	45 - 120
Hexachlorocyclopentadiene	ND		3240	1910		ug/Kg	☼	59	31 - 120
Hexachloroethane	ND		3240	1890		ug/Kg	☼	58	21 - 120
Indeno[1,2,3-cd]pyrene	ND	*-	3240	2540		ug/Kg	☼	78	56 - 134
Isophorone	ND	*-	3240	2260		ug/Kg	☼	70	56 - 120
Naphthalene	ND		3240	2200		ug/Kg	☼	68	46 - 120
Nitrobenzene	ND		3240	2150		ug/Kg	☼	66	49 - 120
N-Nitrosodi-n-propylamine	ND		3240	2170		ug/Kg	☼	67	46 - 120
N-Nitrosodiphenylamine	ND	*-	3240	2520		ug/Kg	☼	78	20 - 128
Pentachlorophenol	ND		6490	5110		ug/Kg	☼	79	10 - 136
Phenanthrene	ND	*-	3240	2510		ug/Kg	☼	77	60 - 122
Phenol	ND		3240	2090		ug/Kg	☼	64	50 - 120
Pyrene	ND	*-	3240	2590		ug/Kg	☼	80	61 - 133

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Nitrobenzene-d5 (Surr)	69		22 - 120
p-Terphenyl-d14 (Surr)	80		28 - 124
Phenol-d5 (Surr)	71		23 - 120
2-Fluorophenol (Surr)	66		18 - 120
2,4,6-Tribromophenol (Surr)	88		10 - 140
2-Fluorobiphenyl (Surr)	75		29 - 120

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	ND	*-	3190	2250		ug/Kg	☼	70	58 - 120	6	20
1,4-Dioxane	ND		3190	1220		ug/Kg	☼	38	13 - 120	11	50
bis (2-chloroisopropyl) ether	ND		3190	1970		ug/Kg	☼	62	31 - 120	2	24
2,4,5-Trichlorophenol	ND		3190	2480		ug/Kg	☼	78	46 - 120	6	18
2,4,6-Trichlorophenol	ND		3190	2490		ug/Kg	☼	78	41 - 123	4	19
2,4-Dichlorophenol	ND		3190	2290		ug/Kg	☼	72	45 - 120	6	19
2,4-Dimethylphenol	ND		3190	2300		ug/Kg	☼	72	52 - 120	3	42
2,4-Dinitrophenol	ND	F1 F2	6380	2140	F1 F2	ug/Kg	☼	34	41 - 146	35	22
2,4-Dinitrotoluene	ND		3190	2410		ug/Kg	☼	76	63 - 125	8	20
2,6-Dinitrotoluene	ND	*-	3190	2350		ug/Kg	☼	74	66 - 120	9	15
2-Chloronaphthalene	ND	*-	3190	2220		ug/Kg	☼	69	57 - 120	5	21
2-Chlorophenol	ND		3190	2100		ug/Kg	☼	66	43 - 120	2	25
2-Methylnaphthalene	ND	*-	3190	2180		ug/Kg	☼	68	55 - 120	4	21
2-Methylphenol	ND		3190	2140		ug/Kg	☼	67	48 - 120	3	27
2-Nitroaniline	ND		3190	2380		ug/Kg	☼	75	61 - 120	4	15
2-Nitrophenol	ND		3190	2140		ug/Kg	☼	67	37 - 120	9	18

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	ND		3190	2160		ug/Kg	✱	68	37 - 126	1	25
3-Nitroaniline	ND		3190	2300		ug/Kg	✱	72	48 - 120	6	19
4,6-Dinitro-2-methylphenol	ND	F2	6380	3380	F2	ug/Kg	✱	53	23 - 149	28	15
4-Bromophenyl phenyl ether	ND	*-	3190	2380		ug/Kg	✱	74	58 - 120	5	15
4-Chloro-3-methylphenol	ND		3190	2460		ug/Kg	✱	77	49 - 125	7	27
4-Chloroaniline	ND	*-	3190	1930		ug/Kg	✱	60	38 - 120	6	22
4-Chlorophenyl phenyl ether	ND	*-	3190	2330		ug/Kg	✱	73	63 - 124	7	16
4-Methylphenol	ND		3190	2240		ug/Kg	✱	70	50 - 120	3	24
4-Nitroaniline	ND		3190	2280		ug/Kg	✱	71	47 - 120	10	24
4-Nitrophenol	ND		6380	5310		ug/Kg	✱	83	31 - 147	5	25
Acenaphthene	ND	*-	3190	2280		ug/Kg	✱	71	60 - 120	6	35
Acenaphthylene	ND	*-	3190	2240		ug/Kg	✱	70	58 - 121	7	18
Acetophenone	ND		3190	2070		ug/Kg	✱	65	47 - 120	1	20
Anthracene	ND	*-	3190	2390		ug/Kg	✱	75	62 - 120	6	15
Atrazine	ND		3190	1970		ug/Kg	✱	62	60 - 150	5	20
Benzaldehyde	ND		3190	1510		ug/Kg	✱	47	10 - 150	0	20
Benzo[a]anthracene	ND	*-	3190	2420		ug/Kg	✱	76	65 - 120	5	15
Benzo[a]pyrene	ND		3190	2460		ug/Kg	✱	77	64 - 120	7	15
Benzo[b]fluoranthene	ND	*-	3190	2280		ug/Kg	✱	71	10 - 150	7	15
Benzo[g,h,i]perylene	ND	*-	3190	2510		ug/Kg	✱	79	45 - 145	2	15
Benzo[k]fluoranthene	ND		3190	2660		ug/Kg	✱	83	23 - 150	1	22
Bis(2-chloroethoxy)methane	ND		3190	2180		ug/Kg	✱	68	52 - 120	3	17
Bis(2-chloroethyl)ether	ND		3190	2000		ug/Kg	✱	63	45 - 120	1	21
Bis(2-ethylhexyl) phthalate	ND	*-	3190	2380		ug/Kg	✱	75	61 - 133	2	15
Butyl benzyl phthalate	ND	*-	3190	2380		ug/Kg	✱	74	61 - 120	2	16
Caprolactam	ND	*-	3190	1570		ug/Kg	✱	49	37 - 133	3	20
Carbazole	ND	*-	3190	2470		ug/Kg	✱	77	59 - 120	6	20
Chrysene	ND	*-	3190	2320		ug/Kg	✱	73	64 - 120	5	15
Dibenz(a,h)anthracene	ND	*-	3190	2400		ug/Kg	✱	75	54 - 132	5	15
Dibenzofuran	ND	*-	3190	2370		ug/Kg	✱	74	62 - 120	6	15
Diethyl phthalate	ND		3190	2450		ug/Kg	✱	77	66 - 120	5	15
Dimethyl phthalate	ND	*-	3190	2380		ug/Kg	✱	74	65 - 124	5	15
Di-n-butyl phthalate	ND	*-	3190	2280		ug/Kg	✱	71	58 - 130	6	15
Di-n-octyl phthalate	ND	*-	3190	2280		ug/Kg	✱	71	57 - 133	2	16
Fluoranthene	ND	*-	3190	2490		ug/Kg	✱	78	62 - 120	7	15
Fluorene	ND	*-	3190	2370		ug/Kg	✱	74	63 - 120	6	15
Hexachlorobenzene	ND	*-	3190	2380		ug/Kg	✱	75	60 - 120	8	15
Hexachlorobutadiene	ND		3190	2170		ug/Kg	✱	68	45 - 120	1	44
Hexachlorocyclopentadiene	ND		3190	1590		ug/Kg	✱	50	31 - 120	18	49
Hexachloroethane	ND		3190	1880		ug/Kg	✱	59	21 - 120	0	46
Indeno[1,2,3-cd]pyrene	ND	*-	3190	2430		ug/Kg	✱	76	56 - 134	4	15
Isophorone	ND	*-	3190	2180		ug/Kg	✱	68	56 - 120	4	17
Naphthalene	ND		3190	2180		ug/Kg	✱	68	46 - 120	1	29
Nitrobenzene	ND		3190	2070		ug/Kg	✱	65	49 - 120	4	24
N-Nitrosodi-n-propylamine	ND		3190	2120		ug/Kg	✱	67	46 - 120	2	31
N-Nitrosodiphenylamine	ND	*-	3190	2400		ug/Kg	✱	75	20 - 128	5	15
Pentachlorophenol	ND		6380	4710		ug/Kg	✱	74	10 - 136	8	35
Phenanthrene	ND	*-	3190	2380		ug/Kg	✱	74	60 - 122	5	15
Phenol	ND		3190	2030		ug/Kg	✱	63	50 - 120	3	35

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747863

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	ND	*-	3190	2470		ug/Kg	✱	77	61 - 133	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Nitrobenzene-d5 (Surr)	70		22 - 120								
p-Terphenyl-d14 (Surr)	77		28 - 124								
Phenol-d5 (Surr)	69		23 - 120								
2-Fluorophenol (Surr)	65		18 - 120								
2,4,6-Tribromophenol (Surr)	79		10 - 140								
2-Fluorobiphenyl (Surr)	71		29 - 120								

Lab Sample ID: MB 480-748019/1-A

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
1,4-Dioxane	ND		100	37	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Chloronaphthalene	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Chlorophenol	ND		170	27	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Methylnaphthalene	ND		170	27	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Methylphenol	ND		170	27	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Nitroaniline	ND		330	29	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
2-Nitrophenol	ND		170	19	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
3-Nitroaniline	ND		330	24	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Chloroaniline	ND		170	24	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Methylphenol	ND		330	30	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Nitroaniline	ND		330	25	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
4-Nitrophenol	ND		330	46	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Acenaphthene	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Acenaphthylene	ND		170	33	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Acetophenone	ND		170	30	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Anthracene	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Atrazine	ND		170	57	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Benzaldehyde	ND		170	130	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Benzo[a]anthracene	ND		170	23	ug/Kg		06/05/25 13:46	06/06/25 10:33	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-748019/1-A

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		170	29	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Caprolactam	ND		170	39	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Carbazole	ND		170	33	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Chrysene	ND		170	41	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Dibenzofuran	ND		170	30	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Diethyl phthalate	ND		170	30	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Dimethyl phthalate	ND		170	33	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Fluoranthene	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Fluorene	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Hexachlorobenzene	ND		170	33	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Hexachlorobutadiene	ND		170	25	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Hexachloroethane	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Isophorone	ND		170	35	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Naphthalene	ND		170	28	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Nitrobenzene	ND		170	28	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Pentachlorophenol	ND		330	54	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Phenanthrene	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Phenol	ND		170	31	ug/Kg		06/05/25 13:46	06/06/25 10:33	1
Pyrene	ND		170	32	ug/Kg		06/05/25 13:46	06/06/25 10:33	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	19800	T J	ug/Kg		3.29	N/A	06/05/25 13:46	06/06/25 10:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		22 - 120	06/05/25 13:46	06/06/25 10:33	1
p-Terphenyl-d14 (Surr)	90		28 - 124	06/05/25 13:46	06/06/25 10:33	1
Phenol-d5 (Surr)	79		23 - 120	06/05/25 13:46	06/06/25 10:33	1
2-Fluorophenol (Surr)	73		18 - 120	06/05/25 13:46	06/06/25 10:33	1
2,4,6-Tribromophenol (Surr)	78		10 - 140	06/05/25 13:46	06/06/25 10:33	1
2-Fluorobiphenyl (Surr)	86		29 - 120	06/05/25 13:46	06/06/25 10:33	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-748019/2-A

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	2670	2060		ug/Kg		77	59 - 120
1,4-Dioxane	2670	1130		ug/Kg		42	13 - 120
bis (2-chloroisopropyl) ether	2670	1760		ug/Kg		66	34 - 120
2,4,5-Trichlorophenol	2670	2110		ug/Kg		79	58 - 120
2,4,6-Trichlorophenol	2670	2150		ug/Kg		80	60 - 120
2,4-Dichlorophenol	2670	2090		ug/Kg		78	53 - 120
2,4-Dimethylphenol	2670	2120		ug/Kg		79	55 - 120
2,4-Dinitrophenol	5330	4330		ug/Kg		81	15 - 120
2,4-Dinitrotoluene	2670	2270		ug/Kg		85	64 - 127
2,6-Dinitrotoluene	2670	2160		ug/Kg		81	65 - 123
2-Chloronaphthalene	2670	2040		ug/Kg		76	57 - 120
2-Chlorophenol	2670	1930		ug/Kg		72	46 - 120
2-Methylnaphthalene	2670	2010		ug/Kg		75	55 - 120
2-Methylphenol	2670	1940		ug/Kg		73	51 - 120
2-Nitroaniline	2670	2160		ug/Kg		81	58 - 129
2-Nitrophenol	2670	2120		ug/Kg		79	46 - 120
3,3'-Dichlorobenzidine	2670	1150		ug/Kg		43	10 - 120
3-Nitroaniline	2670	1240	*	ug/Kg		46	51 - 120
4,6-Dinitro-2-methylphenol	5330	4630		ug/Kg		87	40 - 123
4-Bromophenyl phenyl ether	2670	2220		ug/Kg		83	69 - 126
4-Chloro-3-methylphenol	2670	2240		ug/Kg		84	55 - 120
4-Chloroaniline	2670	1000	*	ug/Kg		38	48 - 120
4-Chlorophenyl phenyl ether	2670	2130		ug/Kg		80	66 - 120
4-Methylphenol	2670	2020		ug/Kg		76	51 - 120
4-Nitroaniline	2670	1950		ug/Kg		73	54 - 126
4-Nitrophenol	5330	4560		ug/Kg		86	41 - 145
Acenaphthene	2670	2090		ug/Kg		79	63 - 120
Acenaphthylene	2670	2040		ug/Kg		76	59 - 123
Acetophenone	2670	1910		ug/Kg		72	49 - 120
Anthracene	2670	2220		ug/Kg		83	70 - 125
Atrazine	2670	1740		ug/Kg		65	48 - 136
Benzaldehyde	2670	1340		ug/Kg		50	10 - 131
Benzo[a]anthracene	2670	2180		ug/Kg		82	73 - 128
Benzo[a]pyrene	2670	2270		ug/Kg		85	63 - 129
Benzo[b]fluoranthene	2670	2070		ug/Kg		78	68 - 133
Benzo[g,h,i]perylene	2670	2250		ug/Kg		84	66 - 135
Benzo[k]fluoranthene	2670	2360		ug/Kg		88	70 - 133
Bis(2-chloroethoxy)methane	2670	2030		ug/Kg		76	49 - 120
Bis(2-chloroethyl)ether	2670	1820		ug/Kg		68	40 - 120
Bis(2-ethylhexyl) phthalate	2670	2050		ug/Kg		77	65 - 140
Butyl benzyl phthalate	2670	2030		ug/Kg		76	66 - 140
Caprolactam	2670	1550		ug/Kg		58	47 - 120
Carbazole	2670	2270		ug/Kg		85	67 - 127
Chrysene	2670	2100		ug/Kg		79	73 - 127
Dibenz(a,h)anthracene	2670	2140		ug/Kg		80	68 - 133
Dibenzofuran	2670	2130		ug/Kg		80	64 - 120
Diethyl phthalate	2670	2160		ug/Kg		81	62 - 133
Dimethyl phthalate	2670	2100		ug/Kg		79	66 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-748019/2-A

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	2670	2010		ug/Kg		75	65 - 138
Di-n-octyl phthalate	2670	1930		ug/Kg		73	65 - 140
Fluoranthene	2670	2210		ug/Kg		83	66 - 129
Fluorene	2670	2210		ug/Kg		83	66 - 120
Hexachlorobenzene	2670	2220		ug/Kg		83	68 - 129
Hexachlorobutadiene	2670	2050		ug/Kg		77	43 - 122
Hexachlorocyclopentadiene	2670	1660		ug/Kg		62	30 - 125
Hexachloroethane	2670	1770		ug/Kg		66	36 - 120
Indeno[1,2,3-cd]pyrene	2670	2160		ug/Kg		81	68 - 133
Isophorone	2670	2030		ug/Kg		76	54 - 120
Naphthalene	2670	2010		ug/Kg		76	49 - 120
Nitrobenzene	2670	1930		ug/Kg		72	46 - 120
N-Nitrosodi-n-propylamine	2670	1920		ug/Kg		72	48 - 120
N-Nitrosodiphenylamine	2670	2230		ug/Kg		84	69 - 126
Pentachlorophenol	5330	4250		ug/Kg		80	10 - 124
Phenanthrene	2670	2170		ug/Kg		82	69 - 124
Phenol	2670	1840		ug/Kg		69	46 - 120
Pyrene	2670	2240		ug/Kg		84	70 - 141

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	76		22 - 120
p-Terphenyl-d14 (Surr)	81		28 - 124
Phenol-d5 (Surr)	75		23 - 120
2-Fluorophenol (Surr)	71		18 - 120
2,4,6-Tribromophenol (Surr)	86		10 - 140
2-Fluorobiphenyl (Surr)	78		29 - 120

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl - RE	ND		3310	2420		ug/Kg	✱	73	58 - 120
1,4-Dioxane - RE	ND		3310	1290		ug/Kg	✱	39	13 - 120
bis (2-chloroisopropyl) ether - RE	ND		3310	2080		ug/Kg	✱	63	31 - 120
2,4,5-Trichlorophenol - RE	ND		3310	2430		ug/Kg	✱	73	46 - 120
2,4,6-Trichlorophenol - RE	ND		3310	2380		ug/Kg	✱	72	41 - 123
2,4-Dichlorophenol - RE	ND		3310	2420		ug/Kg	✱	73	45 - 120
2,4-Dimethylphenol - RE	ND		3310	2360		ug/Kg	✱	71	52 - 120
2,4-Dinitrophenol - RE	ND		6620	5460		ug/Kg	✱	83	41 - 146
2,4-Dinitrotoluene - RE	ND		3310	2520		ug/Kg	✱	76	63 - 125
2,6-Dinitrotoluene - RE	ND		3310	2460		ug/Kg	✱	74	66 - 120
2-Chloronaphthalene - RE	ND		3310	2370		ug/Kg	✱	72	57 - 120
2-Chlorophenol - RE	ND		3310	2280		ug/Kg	✱	69	43 - 120
2-Methylnaphthalene - RE	ND		3310	2310		ug/Kg	✱	70	55 - 120
2-Methylphenol - RE	ND		3310	2230		ug/Kg	✱	67	48 - 120
2-Nitroaniline - RE	ND		3310	2480		ug/Kg	✱	75	61 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol - RE	ND		3310	2530		ug/Kg	✱	76	37 - 120
3,3'-Dichlorobenzidine - RE	ND	F2	3310	1420		ug/Kg	✱	43	37 - 126
3-Nitroaniline - RE	ND	*-	3310	1970		ug/Kg	✱	60	48 - 120
4,6-Dinitro-2-methylphenol - RE	ND		6620	5540		ug/Kg	✱	84	23 - 149
4-Bromophenyl phenyl ether - RE	ND		3310	2470		ug/Kg	✱	75	58 - 120
4-Chloro-3-methylphenol - RE	ND		3310	2550		ug/Kg	✱	77	49 - 125
4-Chloroaniline - RE	ND	*-	3310	1430		ug/Kg	✱	43	38 - 120
4-Chlorophenyl phenyl ether - RE	ND		3310	2390		ug/Kg	✱	72	63 - 124
4-Methylphenol - RE	ND		3310	2310		ug/Kg	✱	70	50 - 120
4-Nitroaniline - RE	ND		3310	2130		ug/Kg	✱	65	47 - 120
4-Nitrophenol - RE	ND		6620	5280		ug/Kg	✱	80	31 - 147
Acenaphthene - RE	ND		3310	2400		ug/Kg	✱	72	60 - 120
Acenaphthylene - RE	ND		3310	2350		ug/Kg	✱	71	58 - 121
Acetophenone - RE	ND		3310	2220		ug/Kg	✱	67	47 - 120
Anthracene - RE	ND		3310	2540		ug/Kg	✱	77	62 - 120
Atrazine - RE	ND	F1	3310	1950	F1	ug/Kg	✱	59	60 - 150
Benzaldehyde - RE	ND		3310	1670		ug/Kg	✱	50	10 - 150
Benzo[a]anthracene - RE	ND		3310	2490		ug/Kg	✱	75	65 - 120
Benzo[a]pyrene - RE	ND		3310	2540		ug/Kg	✱	77	64 - 120
Benzo[b]fluoranthene - RE	ND		3310	2380		ug/Kg	✱	72	10 - 150
Benzo[g,h,i]perylene - RE	ND		3310	2620		ug/Kg	✱	79	45 - 145
Benzo[k]fluoranthene - RE	ND		3310	2710		ug/Kg	✱	82	23 - 150
Bis(2-chloroethoxy)methane - RE	ND		3310	2270		ug/Kg	✱	69	52 - 120
Bis(2-chloroethyl)ether - RE	ND		3310	2180		ug/Kg	✱	66	45 - 120
Bis(2-ethylhexyl) phthalate - RE	ND		3310	2340		ug/Kg	✱	71	61 - 133
Butyl benzyl phthalate - RE	ND		3310	2420		ug/Kg	✱	73	61 - 120
Caprolactam - RE	ND		3310	1620		ug/Kg	✱	49	37 - 133
Carbazole - RE	ND		3310	2480		ug/Kg	✱	75	59 - 120
Chrysene - RE	ND		3310	2440		ug/Kg	✱	74	64 - 120
Dibenz(a,h)anthracene - RE	ND		3310	2460		ug/Kg	✱	74	54 - 132
Dibenzofuran - RE	ND		3310	2460		ug/Kg	✱	74	62 - 120
Diethyl phthalate - RE	ND		3310	2430		ug/Kg	✱	73	66 - 120
Dimethyl phthalate - RE	ND		3310	2380		ug/Kg	✱	72	65 - 124
Di-n-butyl phthalate - RE	ND		3310	2340		ug/Kg	✱	71	58 - 130
Di-n-octyl phthalate - RE	ND		3310	2260		ug/Kg	✱	68	57 - 133
Fluoranthene - RE	ND		3310	2560		ug/Kg	✱	77	62 - 120
Fluorene - RE	ND		3310	2460		ug/Kg	✱	74	63 - 120
Hexachlorobenzene - RE	ND		3310	2530		ug/Kg	✱	76	60 - 120
Hexachlorobutadiene - RE	ND		3310	2340		ug/Kg	✱	71	45 - 120
Hexachlorocyclopentadiene - RE	ND	F2 F1	3310	1350		ug/Kg	✱	41	31 - 120
Hexachloroethane - RE	ND		3310	2050		ug/Kg	✱	62	21 - 120
Indeno[1,2,3-cd]pyrene - RE	ND		3310	2510		ug/Kg	✱	76	56 - 134
Isophorone - RE	ND		3310	2300		ug/Kg	✱	69	56 - 120
Naphthalene - RE	ND		3310	2330		ug/Kg	✱	70	46 - 120
Nitrobenzene - RE	ND		3310	2250		ug/Kg	✱	68	49 - 120
N-Nitrosodi-n-propylamine - RE	ND		3310	2230		ug/Kg	✱	68	46 - 120
N-Nitrosodiphenylamine - RE	ND		3310	2460		ug/Kg	✱	74	20 - 128
Pentachlorophenol - RE	ND		6620	4580		ug/Kg	✱	69	10 - 136
Phenanthrene - RE	ND		3310	2530		ug/Kg	✱	76	60 - 122

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol - RE	ND		3310	2130		ug/Kg	✖	64	50 - 120
Pyrene - RE	ND		3310	2550		ug/Kg	✖	77	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr) - RE	71		22 - 120
p-Terphenyl-d14 (Surr) - RE	76		28 - 124
Phenol-d5 (Surr) - RE	70		23 - 120
2-Fluorophenol (Surr) - RE	67		18 - 120
2,4,6-Tribromophenol (Surr) - RE	75		10 - 140
2-Fluorobiphenyl (Surr) - RE	73		29 - 120

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl - RE	ND		3290	2540		ug/Kg	✖	77	58 - 120	5	20
1,4-Dioxane - RE	ND		3290	1330		ug/Kg	✖	40	13 - 120	3	50
bis (2-chloroisopropyl) ether - RE	ND		3290	2110		ug/Kg	✖	64	31 - 120	1	24
2,4,5-Trichlorophenol - RE	ND		3290	2690		ug/Kg	✖	82	46 - 120	10	18
2,4,6-Trichlorophenol - RE	ND		3290	2550		ug/Kg	✖	78	41 - 123	7	19
2,4-Dichlorophenol - RE	ND		3290	2510		ug/Kg	✖	76	45 - 120	3	19
2,4-Dimethylphenol - RE	ND		3290	2550		ug/Kg	✖	78	52 - 120	8	42
2,4-Dinitrophenol - RE	ND		6570	4970		ug/Kg	✖	76	41 - 146	9	22
2,4-Dinitrotoluene - RE	ND		3290	2460		ug/Kg	✖	75	63 - 125	3	20
2,6-Dinitrotoluene - RE	ND		3290	2350		ug/Kg	✖	71	66 - 120	5	15
2-Chloronaphthalene - RE	ND		3290	2520		ug/Kg	✖	77	57 - 120	6	21
2-Chlorophenol - RE	ND		3290	2330		ug/Kg	✖	71	43 - 120	2	25
2-Methylnaphthalene - RE	ND		3290	2410		ug/Kg	✖	73	55 - 120	4	21
2-Methylphenol - RE	ND		3290	2250		ug/Kg	✖	68	48 - 120	1	27
2-Nitroaniline - RE	ND		3290	2550		ug/Kg	✖	78	61 - 120	3	15
2-Nitrophenol - RE	ND		3290	2220		ug/Kg	✖	67	37 - 120	13	18
3,3'-Dichlorobenzidine - RE	ND	F2	3290	1910	F2	ug/Kg	✖	58	37 - 126	29	25
3-Nitroaniline - RE	ND	*-	3290	1850		ug/Kg	✖	56	48 - 120	7	19
4,6-Dinitro-2-methylphenol - RE	ND		6570	5000		ug/Kg	✖	76	23 - 149	10	15
4-Bromophenyl phenyl ether - RE	ND		3290	2610		ug/Kg	✖	79	58 - 120	5	15
4-Chloro-3-methylphenol - RE	ND		3290	2710		ug/Kg	✖	83	49 - 125	6	27
4-Chloroaniline - RE	ND	*-	3290	1380		ug/Kg	✖	42	38 - 120	4	22
4-Chlorophenyl phenyl ether - RE	ND		3290	2610		ug/Kg	✖	80	63 - 124	9	16
4-Methylphenol - RE	ND		3290	2370		ug/Kg	✖	72	50 - 120	3	24
4-Nitroaniline - RE	ND		3290	2230		ug/Kg	✖	68	47 - 120	5	24
4-Nitrophenol - RE	ND		6570	5720		ug/Kg	✖	87	31 - 147	8	25
Acenaphthene - RE	ND		3290	2540		ug/Kg	✖	77	60 - 120	6	35
Acenaphthylene - RE	ND		3290	2520		ug/Kg	✖	77	58 - 121	7	18
Acetophenone - RE	ND		3290	2280		ug/Kg	✖	69	47 - 120	3	20
Anthracene - RE	ND		3290	2630		ug/Kg	✖	80	62 - 120	3	15
Atrazine - RE	ND	F1	3290	2130		ug/Kg	✖	65	60 - 150	9	20
Benzaldehyde - RE	ND		3290	1640		ug/Kg	✖	50	10 - 150	2	20

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 748077

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene - RE	ND		3290	2620		ug/Kg	✱	80	65 - 120	5	15
Benzo[a]pyrene - RE	ND		3290	2670		ug/Kg	✱	81	64 - 120	5	15
Benzo[b]fluoranthene - RE	ND		3290	2410		ug/Kg	✱	74	10 - 150	1	15
Benzo[g,h,i]perylene - RE	ND		3290	2640		ug/Kg	✱	80	45 - 145	1	15
Benzo[k]fluoranthene - RE	ND		3290	2840		ug/Kg	✱	86	23 - 150	4	22
Bis(2-chloroethoxy)methane - RE	ND		3290	2440		ug/Kg	✱	74	52 - 120	7	17
Bis(2-chloroethyl)ether - RE	ND		3290	2190		ug/Kg	✱	67	45 - 120	1	21
Bis(2-ethylhexyl) phthalate - RE	ND		3290	2580		ug/Kg	✱	78	61 - 133	9	15
Butyl benzyl phthalate - RE	ND		3290	2580		ug/Kg	✱	78	61 - 120	6	16
Caprolactam - RE	ND		3290	1880		ug/Kg	✱	57	37 - 133	15	20
Carbazole - RE	ND		3290	2600		ug/Kg	✱	79	59 - 120	5	20
Chrysene - RE	ND		3290	2580		ug/Kg	✱	78	64 - 120	5	15
Dibenz(a,h)anthracene - RE	ND		3290	2520		ug/Kg	✱	77	54 - 132	2	15
Dibenzofuran - RE	ND		3290	2630		ug/Kg	✱	80	62 - 120	7	15
Diethyl phthalate - RE	ND		3290	2620		ug/Kg	✱	80	66 - 120	8	15
Dimethyl phthalate - RE	ND		3290	2560		ug/Kg	✱	78	65 - 124	7	15
Di-n-butyl phthalate - RE	ND		3290	2430		ug/Kg	✱	74	58 - 130	4	15
Di-n-octyl phthalate - RE	ND		3290	2460		ug/Kg	✱	75	57 - 133	9	16
Fluoranthene - RE	ND		3290	2680		ug/Kg	✱	82	62 - 120	4	15
Fluorene - RE	ND		3290	2630		ug/Kg	✱	80	63 - 120	7	15
Hexachlorobenzene - RE	ND		3290	2580		ug/Kg	✱	78	60 - 120	2	15
Hexachlorobutadiene - RE	ND		3290	2480		ug/Kg	✱	75	45 - 120	6	44
Hexachlorocyclopentadiene - RE	ND	F2 F1	3290	714	F2 F1	ug/Kg	✱	22	31 - 120	62	49
Hexachloroethane - RE	ND		3290	1860		ug/Kg	✱	57	21 - 120	10	46
Indeno[1,2,3-cd]pyrene - RE	ND		3290	2570		ug/Kg	✱	78	56 - 134	3	15
Isophorone - RE	ND		3290	2410		ug/Kg	✱	73	56 - 120	5	17
Naphthalene - RE	ND		3290	2400		ug/Kg	✱	73	46 - 120	3	29
Nitrobenzene - RE	ND		3290	2260		ug/Kg	✱	69	49 - 120	0	24
N-Nitrosodi-n-propylamine - RE	ND		3290	2290		ug/Kg	✱	70	46 - 120	3	31
N-Nitrosodiphenylamine - RE	ND		3290	2570		ug/Kg	✱	78	20 - 128	4	15
Pentachlorophenol - RE	ND		6570	4810		ug/Kg	✱	73	10 - 136	5	35
Phenanthrene - RE	ND		3290	2580		ug/Kg	✱	79	60 - 122	2	15
Phenol - RE	ND		3290	2210		ug/Kg	✱	67	50 - 120	4	35
Pyrene - RE	ND		3290	2710		ug/Kg	✱	82	61 - 133	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr) - RE	72		22 - 120
p-Terphenyl-d14 (Surr) - RE	81		28 - 124
Phenol-d5 (Surr) - RE	73		23 - 120
2-Fluorophenol (Surr) - RE	69		18 - 120
2,4,6-Tribromophenol (Surr) - RE	78		10 - 140
2-Fluorobiphenyl (Surr) - RE	79		29 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-747772/1-A

Matrix: Solid

Analysis Batch: 747840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
4,4'-DDT	1.37	J	3.3	0.78	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
beta-BHC	ND		3.3	0.60	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
alpha-BHC	ND		3.3	0.60	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Aldrin	ND		3.3	0.82	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
delta-BHC	ND		3.3	0.62	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Dieldrin	ND		3.3	0.80	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endosulfan I	ND		3.3	0.64	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endosulfan II	ND		3.3	0.60	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endrin	ND		3.3	0.66	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Endrin ketone	ND		3.3	0.82	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
gamma-BHC (Lindane)	0.801	J	3.3	0.61	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Heptachlor	ND		3.3	0.72	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Methoxychlor	ND		3.3	0.68	ug/Kg		06/03/25 13:20	06/04/25 09:46	1
Toxaphene	ND		33	19	ug/Kg		06/03/25 13:20	06/04/25 09:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		45 - 120	06/03/25 13:20	06/04/25 09:46	1
DCB Decachlorobiphenyl	97		45 - 120	06/03/25 13:20	06/04/25 09:46	1
Tetrachloro-m-xylene	73		30 - 124	06/03/25 13:20	06/04/25 09:46	1
Tetrachloro-m-xylene	78		30 - 124	06/03/25 13:20	06/04/25 09:46	1

Lab Sample ID: LCS 480-747772/2-A

Matrix: Solid

Analysis Batch: 747840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	29.1		ug/Kg		87	56 - 120
4,4'-DDE	33.3	27.8		ug/Kg		83	44 - 120
4,4'-DDT	33.3	28.7		ug/Kg		86	38 - 120
beta-BHC	33.3	26.9		ug/Kg		81	40 - 120
cis-Chlordane	33.3	27.6		ug/Kg		83	47 - 120
alpha-BHC	33.3	26.4		ug/Kg		79	39 - 120
Aldrin	33.3	28.4		ug/Kg		85	38 - 120
delta-BHC	33.3	26.2		ug/Kg		79	45 - 120
Dieldrin	33.3	27.5		ug/Kg		83	58 - 120
Endosulfan I	33.3	24.6		ug/Kg		74	49 - 120
Endosulfan II	33.3	28.3		ug/Kg		85	55 - 120
Endosulfan sulfate	33.3	23.4		ug/Kg		70	49 - 124
Endrin	33.3	28.0		ug/Kg		84	58 - 120
Endrin aldehyde	33.3	24.0		ug/Kg		72	37 - 121
Endrin ketone	33.3	28.2		ug/Kg		85	46 - 123

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747772/2-A

Matrix: Solid

Analysis Batch: 747840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-BHC (Lindane)	33.3	26.4		ug/Kg		79	50 - 120
trans-Chlordane	33.3	31.6		ug/Kg		95	48 - 120
Heptachlor	33.3	27.5		ug/Kg		83	50 - 120
Heptachlor epoxide	33.3	24.6		ug/Kg		74	50 - 120
Methoxychlor	33.3	30.8		ug/Kg		92	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	93		45 - 120
DCB Decachlorobiphenyl	97		45 - 120
Tetrachloro-m-xylene	77		30 - 124
Tetrachloro-m-xylene	81		30 - 124

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747840

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	ND		41.6	27.4		ug/Kg	✖	66	37 - 126
4,4'-DDE	22	F1	41.6	27.7	F1	ug/Kg	✖	14	34 - 120
4,4'-DDT	5.8	B	41.6	28.2		ug/Kg	✖	54	43 - 123
beta-BHC	0.92	J	41.6	25.7		ug/Kg	✖	60	36 - 120
cis-Chlordane	ND		41.6	26.6		ug/Kg	✖	64	35 - 120
alpha-BHC	1.2	J	41.6	25.0		ug/Kg	✖	57	39 - 120
Aldrin	ND		41.6	30.3		ug/Kg	✖	73	37 - 125
delta-BHC	1.3	J	41.6	24.1		ug/Kg	✖	55	34 - 120
Dieldrin	ND		41.6	25.7		ug/Kg	✖	62	45 - 120
Endosulfan I	ND		41.6	23.9		ug/Kg	✖	57	39 - 120
Endosulfan II	15	F1	41.6	24.5	F1	ug/Kg	✖	24	34 - 126
Endosulfan sulfate	ND		41.6	19.7		ug/Kg	✖	47	27 - 130
Endrin	4.0	J	41.6	26.2		ug/Kg	✖	53	47 - 121
Endrin aldehyde	10	F1 B	41.6	16.8	F1	ug/Kg	✖	16	33 - 123
Endrin ketone	13	F1	41.6	24.3	F1	ug/Kg	✖	28	43 - 126
gamma-BHC (Lindane)	ND		41.6	23.8		ug/Kg	✖	57	50 - 120
trans-Chlordane	ND		41.6	36.6		ug/Kg	✖	88	31 - 120
Heptachlor	ND		41.6	28.4		ug/Kg	✖	68	42 - 120
Heptachlor epoxide	ND		41.6	24.5		ug/Kg	✖	59	40 - 120
Methoxychlor	84	F1	41.6	29.8	F1	ug/Kg	✖	-130	44 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	70		45 - 120
DCB Decachlorobiphenyl	81		45 - 120
Tetrachloro-m-xylene	62		30 - 124
Tetrachloro-m-xylene	75		30 - 124

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747840

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	ND		42.1	29.5		ug/Kg	✱	70	37 - 126	7	21
4,4'-DDE	22	F1	42.1	28.8	F1	ug/Kg	✱	17	34 - 120	4	18
4,4'-DDT	5.8	B	42.1	28.8		ug/Kg	✱	55	43 - 123	2	25
beta-BHC	0.92	J	42.1	24.3		ug/Kg	✱	56	36 - 120	6	19
cis-Chlordane	ND		42.1	28.1		ug/Kg	✱	67	35 - 120	6	23
alpha-BHC	1.2	J	42.1	24.8		ug/Kg	✱	56	39 - 120	1	15
Aldrin	ND		42.1	31.4		ug/Kg	✱	75	37 - 125	4	12
delta-BHC	1.3	J	42.1	25.1		ug/Kg	✱	57	34 - 120	4	14
Dieldrin	ND		42.1	26.7		ug/Kg	✱	63	45 - 120	4	12
Endosulfan I	ND		42.1	25.5		ug/Kg	✱	61	39 - 120	7	18
Endosulfan II	15	F1	42.1	25.3	F1	ug/Kg	✱	25	34 - 126	3	26
Endosulfan sulfate	ND		42.1	19.9		ug/Kg	✱	47	27 - 130	1	35
Endrin	4.0	J	42.1	27.5		ug/Kg	✱	56	47 - 121	5	20
Endrin aldehyde	10	F1 B	42.1	16.7	F1	ug/Kg	✱	16	33 - 123	1	47
Endrin ketone	13	F1	42.1	25.3	F1	ug/Kg	✱	30	43 - 126	4	37
gamma-BHC (Lindane)	ND		42.1	24.2		ug/Kg	✱	58	50 - 120	2	12
trans-Chlordane	ND		42.1	31.8		ug/Kg	✱	75	31 - 120	14	15
Heptachlor	ND		42.1	28.3		ug/Kg	✱	67	42 - 120	0	22
Heptachlor epoxide	ND		42.1	26.2		ug/Kg	✱	62	40 - 120	7	15
Methoxychlor	84	F1	42.1	27.9	F1	ug/Kg	✱	-133	44 - 150	7	24
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	83		45 - 120								
DCB Decachlorobiphenyl	86		45 - 120								
Tetrachloro-m-xylene	57		30 - 124								
Tetrachloro-m-xylene	62		30 - 124								

Lab Sample ID: MB 480-747775/1-A

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
beta-BHC	ND		3.3	0.60	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
alpha-BHC	ND		3.3	0.60	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Aldrin	ND		3.3	0.82	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
delta-BHC	ND		3.3	0.62	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Dieldrin	ND		3.3	0.80	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endosulfan I	ND		3.3	0.64	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endosulfan II	ND		3.3	0.60	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endrin	ND		3.3	0.66	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Endrin ketone	ND		3.3	0.82	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		06/03/25 13:31	06/04/25 09:15	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747775/1-A

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		3.3	1.1	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Heptachlor	ND		3.3	0.72	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Heptachlor epoxide	1.08	J	3.3	0.86	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Methoxychlor	2.92	J	3.3	0.68	ug/Kg		06/03/25 13:31	06/04/25 09:15	1
Toxaphene	ND		33	19	ug/Kg		06/03/25 13:31	06/04/25 09:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		45 - 120	06/03/25 13:31	06/04/25 09:15	1
DCB Decachlorobiphenyl	87		45 - 120	06/03/25 13:31	06/04/25 09:15	1
Tetrachloro-m-xylene	64		30 - 124	06/03/25 13:31	06/04/25 09:15	1
Tetrachloro-m-xylene	63		30 - 124	06/03/25 13:31	06/04/25 09:15	1

Lab Sample ID: LCS 480-747775/2-A

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	25.6		ug/Kg		77	56 - 120
4,4'-DDE	33.3	24.2		ug/Kg		73	44 - 120
4,4'-DDT	33.3	26.0		ug/Kg		78	38 - 120
beta-BHC	33.3	22.5		ug/Kg		68	40 - 120
cis-Chlordane	33.3	23.6		ug/Kg		71	47 - 120
alpha-BHC	33.3	21.3		ug/Kg		64	39 - 120
Aldrin	33.3	21.5		ug/Kg		65	38 - 120
delta-BHC	33.3	20.7		ug/Kg		62	45 - 120
Dieldrin	33.3	24.5		ug/Kg		74	58 - 120
Endosulfan I	33.3	23.6		ug/Kg		71	49 - 120
Endosulfan II	33.3	24.7		ug/Kg		74	55 - 120
Endosulfan sulfate	33.3	23.1		ug/Kg		69	49 - 124
Endrin	33.3	25.0		ug/Kg		75	58 - 120
Endrin aldehyde	33.3	23.6		ug/Kg		71	37 - 121
Endrin ketone	33.3	25.1		ug/Kg		75	46 - 123
gamma-BHC (Lindane)	33.3	22.2		ug/Kg		67	50 - 120
trans-Chlordane	33.3	22.7		ug/Kg		68	48 - 120
Heptachlor	33.3	23.1		ug/Kg		69	50 - 120
Heptachlor epoxide	33.3	24.7		ug/Kg		74	50 - 120
Methoxychlor	33.3	29.1		ug/Kg		87	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	88		45 - 120
DCB Decachlorobiphenyl	87		45 - 120
Tetrachloro-m-xylene	64		30 - 124
Tetrachloro-m-xylene	64		30 - 124

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747775

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
4,4'-DDD	ND		41.2	22.6		ug/Kg	☼	55	37 - 126		
4,4'-DDE	ND		41.2	23.6		ug/Kg	☼	57	34 - 120		
4,4'-DDT	3.1	J	41.2	24.6		ug/Kg	☼	52	43 - 123		
beta-BHC	ND		41.2	20.5		ug/Kg	☼	50	36 - 120		
cis-Chlordane	ND		41.2	23.1		ug/Kg	☼	56	35 - 120		
alpha-BHC	ND		41.2	19.9		ug/Kg	☼	48	39 - 120		
Aldrin	ND	F2	41.2	22.5		ug/Kg	☼	55	37 - 125		
delta-BHC	ND	F2	41.2	19.1		ug/Kg	☼	46	34 - 120		
Dieldrin	ND		41.2	23.0		ug/Kg	☼	56	45 - 120		
Endosulfan I	ND		41.2	22.2		ug/Kg	☼	54	39 - 120		
Endosulfan II	ND		41.2	22.3		ug/Kg	☼	54	34 - 126		
Endosulfan sulfate	ND		41.2	19.7		ug/Kg	☼	48	27 - 130		
Endrin	ND		41.2	23.1		ug/Kg	☼	56	47 - 121		
Endrin aldehyde	ND		41.2	18.3		ug/Kg	☼	45	33 - 123		
Endrin ketone	ND		41.2	21.9		ug/Kg	☼	53	43 - 126		
gamma-BHC (Lindane)	ND	F1	41.2	19.9	F1	ug/Kg	☼	48	50 - 120		
trans-Chlordane	ND		41.2	23.4		ug/Kg	☼	57	31 - 120		
Heptachlor	ND		41.2	23.6		ug/Kg	☼	57	42 - 120		
Heptachlor epoxide	ND		41.2	23.5		ug/Kg	☼	57	40 - 120		
Methoxychlor	ND		41.2	25.8		ug/Kg	☼	63	44 - 150		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	63		45 - 120								
DCB Decachlorobiphenyl	69		45 - 120								
Tetrachloro-m-xylene	55		30 - 124								
Tetrachloro-m-xylene	56		30 - 124								

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	ND		41.2	25.9		ug/Kg	✱	63	37 - 126	13	21
4,4'-DDE	ND		41.2	26.4		ug/Kg	✱	64	34 - 120	11	18
4,4'-DDT	3.1	J	41.2	28.2		ug/Kg	✱	61	43 - 123	13	25
beta-BHC	ND		41.2	23.5		ug/Kg	✱	57	36 - 120	14	19
cis-Chlordane	ND		41.2	25.9		ug/Kg	✱	63	35 - 120	11	23
alpha-BHC	ND		41.2	22.3		ug/Kg	✱	54	39 - 120	11	15
Aldrin	ND	F2	41.2	26.0	F2	ug/Kg	✱	63	37 - 125	14	12
delta-BHC	ND	F2	41.2	22.9	F2	ug/Kg	✱	56	34 - 120	18	14
Dieldrin	ND		41.2	26.0		ug/Kg	✱	63	45 - 120	12	12
Endosulfan I	ND		41.2	25.5		ug/Kg	✱	62	39 - 120	14	18
Endosulfan II	ND		41.2	25.7		ug/Kg	✱	62	34 - 126	14	26
Endosulfan sulfate	ND		41.2	23.2		ug/Kg	✱	56	27 - 130	16	35
Endrin	ND		41.2	26.5		ug/Kg	✱	64	47 - 121	14	20
Endrin aldehyde	ND		41.2	21.0		ug/Kg	✱	51	33 - 123	14	47
Endrin ketone	ND		41.2	25.8		ug/Kg	✱	63	43 - 126	16	37
gamma-BHC (Lindane)	ND	F1	41.2	22.4		ug/Kg	✱	54	50 - 120	12	12

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747842

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-Chlordane	ND		41.2	26.7		ug/Kg	⊛	65	31 - 120	13	15
Heptachlor	ND		41.2	26.2		ug/Kg	⊛	64	42 - 120	11	22
Heptachlor epoxide	ND		41.2	26.3		ug/Kg	⊛	64	40 - 120	11	15
Methoxychlor	ND		41.2	30.3		ug/Kg	⊛	73	44 - 150	16	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	70		45 - 120
DCB Decachlorobiphenyl	83		45 - 120
Tetrachloro-m-xylene	54		30 - 124
Tetrachloro-m-xylene	55		30 - 124

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

Lab Sample ID: MB 480-747616/1-A

Matrix: Solid

Analysis Batch: 747631

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1221	ND		0.25	0.049	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1232	ND		0.25	0.049	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1242	ND		0.25	0.049	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1248	ND		0.25	0.049	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1254	ND		0.25	0.12	mg/Kg		06/02/25 07:20	06/02/25 13:34	1
PCB-1260	ND		0.25	0.12	mg/Kg		06/02/25 07:20	06/02/25 13:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	134		60 - 154	06/02/25 07:20	06/02/25 13:34	1
Tetrachloro-m-xylene	137		60 - 154	06/02/25 07:20	06/02/25 13:34	1
DCB Decachlorobiphenyl	140		65 - 174	06/02/25 07:20	06/02/25 13:34	1
DCB Decachlorobiphenyl	132		65 - 174	06/02/25 07:20	06/02/25 13:34	1

Lab Sample ID: LCS 480-747616/2-A

Matrix: Solid

Analysis Batch: 747631

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.50	3.88		mg/Kg		155	51 - 185
PCB-1260	2.50	3.71		mg/Kg		148	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	171	S1+	60 - 154
Tetrachloro-m-xylene	168	S1+	60 - 154
DCB Decachlorobiphenyl	167		65 - 174
DCB Decachlorobiphenyl	157		65 - 174

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747631

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		2.83	3.85		mg/Kg	☼	136	50 - 177
PCB-1260	ND		2.83	3.72		mg/Kg	☼	131	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	153		60 - 154
Tetrachloro-m-xylene	156	S1+	60 - 154
DCB Decachlorobiphenyl	155		65 - 174
DCB Decachlorobiphenyl	154		65 - 174

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747631

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		2.55	3.29		mg/Kg	☼	129	50 - 177	16	50
PCB-1260	ND		2.55	2.99		mg/Kg	☼	117	33 - 200	22	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	149		60 - 154
Tetrachloro-m-xylene	151		60 - 154
DCB Decachlorobiphenyl	140		65 - 174
DCB Decachlorobiphenyl	150		65 - 174

Lab Sample ID: MB 480-747708/1-A

Matrix: Solid

Analysis Batch: 747722

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1221	ND		0.25	0.049	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1232	ND		0.25	0.049	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1242	ND		0.25	0.049	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1248	ND		0.25	0.049	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1254	ND		0.25	0.12	mg/Kg		06/03/25 06:25	06/03/25 15:31	1
PCB-1260	ND		0.25	0.12	mg/Kg		06/03/25 06:25	06/03/25 15:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	06/03/25 06:25	06/03/25 15:31	1
Tetrachloro-m-xylene	122		60 - 154	06/03/25 06:25	06/03/25 15:31	1
DCB Decachlorobiphenyl	131		65 - 174	06/03/25 06:25	06/03/25 15:31	1
DCB Decachlorobiphenyl	126		65 - 174	06/03/25 06:25	06/03/25 15:31	1

Lab Sample ID: LCS 480-747708/2-A

Matrix: Solid

Analysis Batch: 747722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.50	3.19		mg/Kg		128	51 - 185

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 480-747708/2-A

Matrix: Solid

Analysis Batch: 747722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1260	2.50	3.25		mg/Kg		130	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	133		60 - 154
Tetrachloro-m-xylene	141		60 - 154
DCB Decachlorobiphenyl	155		65 - 174
DCB Decachlorobiphenyl	150		65 - 174

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747722

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		3.01	3.80		mg/Kg	⚠	126	50 - 177
PCB-1260	ND		3.01	3.98		mg/Kg	⚠	132	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	124		60 - 154
Tetrachloro-m-xylene	129		60 - 154
DCB Decachlorobiphenyl	142		65 - 174
DCB Decachlorobiphenyl	139		65 - 174

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747722

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
PCB-1016	ND		2.63	2.99		mg/Kg	⚠	114	50 - 177	24	50
PCB-1260	ND		2.63	3.01		mg/Kg	⚠	115	33 - 200	28	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	117		60 - 154
Tetrachloro-m-xylene	120		60 - 154
DCB Decachlorobiphenyl	136		65 - 174
DCB Decachlorobiphenyl	125		65 - 174

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		5.00	4.32		ng/g	⚠	86	70 - 140
Perfluoropentanoic acid (PFPeA)	ND		2.50	2.09		ng/g	⚠	84	60 - 150
Perfluorohexanoic acid (PFHxA)	ND		2.50	2.11		ng/g	⚠	84	65 - 140
Perfluoroheptanoic acid (PFHpA)	ND		2.50	2.32		ng/g	⚠	93	65 - 145
Perfluorooctanoic acid (PFOA)	ND		2.50	2.02		ng/g	⚠	81	70 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	ND		2.50	2.26		ng/g	☼	90	70 - 155
Perfluorodecanoic acid (PFDA)	ND		2.50	2.05		ng/g	☼	82	70 - 155
Perfluoroundecanoic acid (PFUnA)	ND		2.50	2.11		ng/g	☼	84	70 - 155
Perfluorododecanoic acid (PFDoA)	ND		2.50	2.12		ng/g	☼	85	70 - 150
Perfluorotridecanoic acid (PFTTrDA)	ND		2.50	1.88		ng/g	☼	75	65 - 150
Perfluorotetradecanoic acid (PFTTeDA)	ND		2.50	1.95		ng/g	☼	78	65 - 150
Perfluorobutanesulfonic acid (PFBS)	ND		2.22	1.86		ng/g	☼	84	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		2.35	2.08		ng/g	☼	89	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		2.28	1.75		ng/g	☼	77	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.39	2.05		ng/g	☼	86	65 - 155
Perfluorooctanesulfonic acid (PFOS)	ND		2.33	1.83		ng/g	☼	79	65 - 160
Perfluorononanesulfonic acid (PFNS)	ND		2.41	1.70		ng/g	☼	71	55 - 140
Perfluorodecanesulfonic acid (PFDS)	ND		2.41	1.71		ng/g	☼	71	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	ND		2.43	1.79		ng/g	☼	74	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.69	4.24		ng/g	☼	90	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.76	4.66		ng/g	☼	98	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.80	4.45		ng/g	☼	93	70 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		2.50	2.67		ng/g	☼	107	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.50	2.27		ng/g	☼	91	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.50	2.27		ng/g	☼	91	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.50	1.90		ng/g	☼	76	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.50	2.33		ng/g	☼	93	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		12.5	11.6		ng/g	☼	93	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		12.5	12.4		ng/g	☼	99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.88	1.67		ng/g	☼	89	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.37	2.03		ng/g	☼	86	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.50	2.11		ng/g	☼	84	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.50	2.03		ng/g	☼	81	60 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		2.50	2.52		ng/g	☼	101	60 - 155
9-Chlorohexadecafluoro-3-oxan onane-1-sulfonic acid (9CI-PF3ONS)	ND	F1 *-	2.34	1.28	F1	ng/g	☼	55	70 - 150
11-Chloroeicosafluoro-3-oxaund ecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.36	1.09		ng/g	☼	46	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.23	1.79		ng/g	☼	80	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		5.00	3.90		ng/g	☼	78	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.5	10.0		ng/g	☼	80	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.5	9.86		ng/g	☼	79	60 - 150
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
13C4-PFBA	127		8 - 130						
13C5-PFPeA	138	*5+	35 - 130						
13C5-PFHxA	127		40 - 130						
13C4-PFHpA	126		40 - 130						
13C8-PFOA	119		40 - 130						
13C9-PFNA	113		40 - 130						
13C6-PFDA	101		40 - 130						
13C7-PFUnA	97.6		40 - 130						
13C2-PFTeDA	99.0		20 - 130						
13C3-PFBS	110		40 - 135						
13C3-PFHxS	100		40 - 130						
13C8-PFOS	83.7		40 - 130						
13C8-PFOSA	98.8		40 - 130						
d3-NMeFOSAA	92.7		40 - 135						
d5-NEtFOSAA	86.8		40 - 150						
13C2 4:2 FTS	116		40 - 165						
13C2 6:2 FTS	107		40 - 215						
13C2 8:2 FTS	95.5		40 - 275						
13C3-HFPO-DA	129		40 - 130						
D7-NMeFOSE	51.9		20 - 130						
D9-NEtFOSE	40.6		15 - 130						
d5-NEtPFOSA	74.6		10 - 130						
d3-NMePFOSA	80.9		10 - 130						
13C2 PFDoA	93.2		40 - 130						

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	ND		4.87	4.39		ng/g	☼	90	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	ND		2.43	1.93		ng/g	☼	79	60 - 150	8	30
Perfluorohexanoic acid (PFHxA)	ND		2.43	2.04		ng/g	☼	84	65 - 140	3	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanoic acid (PFHpA)	ND		2.43	2.12		ng/g	✱	87	65 - 145	9	30
Perfluorooctanoic acid (PFOA)	ND		2.43	2.02		ng/g	✱	83	70 - 150	0	30
Perfluorononanoic acid (PFNA)	ND		2.43	2.14		ng/g	✱	88	70 - 155	5	30
Perfluorodecanoic acid (PFDA)	ND		2.43	1.90		ng/g	✱	78	70 - 155	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.43	2.12		ng/g	✱	87	70 - 155	1	30
Perfluorododecanoic acid (PFDoA)	ND		2.43	2.11		ng/g	✱	87	70 - 150	0	30
Perfluorotridecanoic acid (PFTrDA)	ND		2.43	1.87		ng/g	✱	77	65 - 150	1	30
Perfluorotetradecanoic acid (PFTeDA)	ND		2.43	1.68		ng/g	✱	69	65 - 150	15	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.16	1.71		ng/g	✱	79	65 - 145	8	30
Perfluoropentanesulfonic acid (PFPeS)	ND		2.29	2.02		ng/g	✱	88	55 - 160	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.22	1.76		ng/g	✱	79	60 - 150	0	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.32	1.94		ng/g	✱	83	65 - 155	6	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.26	1.90		ng/g	✱	84	65 - 160	4	30
Perfluorononanesulfonic acid (PFNS)	ND		2.34	1.61		ng/g	✱	69	55 - 140	6	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.35	1.64		ng/g	✱	70	40 - 155	4	30
Perfluorododecanesulfonic acid (PFDoS)	ND		2.36	1.46		ng/g	✱	62	25 - 160	20	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.57	4.33		ng/g	✱	95	60 - 150	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.64	4.41		ng/g	✱	95	55 - 200	5	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.67	4.64		ng/g	✱	99	70 - 150	4	30
Perfluorooctanesulfonamide (PFOSA)	ND		2.43	2.66		ng/g	✱	109	70 - 140	0	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.43	2.23		ng/g	✱	92	70 - 155	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.43	2.18		ng/g	✱	89	70 - 140	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.43	1.94		ng/g	✱	80	65 - 155	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.43	2.37		ng/g	✱	97	65 - 165	2	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		12.2	12.5		ng/g	✱	103	70 - 140	7	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		12.2	11.9		ng/g	✱	98	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.83	1.58		ng/g	✱	87	70 - 145	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.30	1.86		ng/g	✱	81	70 - 160	9	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.43	2.04		ng/g	✱	84	30 - 140	3	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 653395

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 652595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.43	1.97		ng/g	⊛	81	60 - 150	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.43	2.23		ng/g	⊛	91	60 - 155	13	30
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND	F1 *-	2.27	1.63		ng/g	⊛	72	70 - 150	24	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.30	1.39		ng/g	⊛	61	45 - 160	24	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.17	1.80		ng/g	⊛	83	70 - 140	0	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.87	4.12		ng/g	⊛	85	45 - 130	5	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.2	10.3		ng/g	⊛	85	60 - 130	3	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.2	8.94		ng/g	⊛	73	60 - 150	10	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4-PFBA	81.6		8 - 130
13C5-PFPeA	91.5		35 - 130
13C5-PFHxA	80.2		40 - 130
13C4-PFHpA	79.5		40 - 130
13C8-PFOA	72.1		40 - 130
13C9-PFNA	75.6		40 - 130
13C6-PFDA	73.5		40 - 130
13C7-PFUnA	73.4		40 - 130
13C2-PFTeDA	73.8		20 - 130
13C3-PFBS	75.7		40 - 135
13C3-PFHxS	74.1		40 - 130
13C8-PFOS	78.1		40 - 130
13C8-PFOSA	67.4		40 - 130
d3-NMeFOSAA	62.1		40 - 135
d5-NEtFOSAA	57.7		40 - 150
13C2 4:2 FTS	77.6		40 - 165
13C2 6:2 FTS	75.5		40 - 215
13C2 8:2 FTS	59.3		40 - 275
13C3-HFPO-DA	79.4		40 - 130
D7-NMeFOSE	37.9		20 - 130
D9-NEtFOSE	34.2		15 - 130
d5-NEtPFOSA	56.2		10 - 130
d3-NMePFOSA	58.1		10 - 130
13C2 PFDaA	68.7		40 - 130

Lab Sample ID: MB 410-652628/1-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 652628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g		06/04/25 07:50	06/05/25 04:51	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 410-652628/1-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 652628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g		06/04/25 07:50	06/05/25 04:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g		06/04/25 07:50	06/05/25 04:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g		06/04/25 07:50	06/05/25 04:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g		06/04/25 07:50	06/05/25 04:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g		06/04/25 07:50	06/05/25 04:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g		06/04/25 07:50	06/05/25 04:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.087	ng/g		06/04/25 07:50	06/05/25 04:51	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 410-652628/1-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 652628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g		06/04/25 07:50	06/05/25 04:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.19	0.048	ng/g		06/04/25 07:50	06/05/25 04:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g		06/04/25 07:50	06/05/25 04:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g		06/04/25 07:50	06/05/25 04:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g		06/04/25 07:50	06/05/25 04:51	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	98.1		8 - 130	06/04/25 07:50	06/05/25 04:51	1
13C5-PFPeA	103		35 - 130	06/04/25 07:50	06/05/25 04:51	1
13C5-PFHxA	101		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C4-PFHpA	98.9		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C8-PFOA	89.3		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C9-PFNA	86.7		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C6-PFDA	76.8		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C7-PFUnA	54.8		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C2-PFTeDA	48.2		20 - 130	06/04/25 07:50	06/05/25 04:51	1
13C3-PFBS	86.5		40 - 135	06/04/25 07:50	06/05/25 04:51	1
13C3-PFHxS	82.9		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C8-PFOS	59.5		40 - 130	06/04/25 07:50	06/05/25 04:51	1
13C8-PFOSA	68.7		40 - 130	06/04/25 07:50	06/05/25 04:51	1
d3-NMeFOSAA	79.0		40 - 135	06/04/25 07:50	06/05/25 04:51	1
d5-NEtFOSAA	77.9		40 - 150	06/04/25 07:50	06/05/25 04:51	1
13C2 4:2 FTS	91.2		40 - 165	06/04/25 07:50	06/05/25 04:51	1
13C2 6:2 FTS	100		40 - 215	06/04/25 07:50	06/05/25 04:51	1
13C2 8:2 FTS	77.3		40 - 275	06/04/25 07:50	06/05/25 04:51	1
13C3-HFPO-DA	87.0		40 - 130	06/04/25 07:50	06/05/25 04:51	1
D7-NMeFOSE	50.0		20 - 130	06/04/25 07:50	06/05/25 04:51	1
D9-NEtFOSE	44.7		15 - 130	06/04/25 07:50	06/05/25 04:51	1
d5-NEtPFOSA	34.3		10 - 130	06/04/25 07:50	06/05/25 04:51	1
d3-NMePFOSA	41.0		10 - 130	06/04/25 07:50	06/05/25 04:51	1
13C2 PFDoA	41.9		40 - 130	06/04/25 07:50	06/05/25 04:51	1

Lab Sample ID: LCS 410-652628/2-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.95	4.28		ng/g		86	70 - 140
Perfluoropentanoic acid (PFPeA)	2.48	2.00		ng/g		81	60 - 150
Perfluorohexanoic acid (PFHxA)	2.48	1.98		ng/g		80	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.48	2.23		ng/g		90	65 - 145
Perfluorooctanoic acid (PFOA)	2.48	2.12		ng/g		86	70 - 150
Perfluorononanoic acid (PFNA)	2.48	2.17		ng/g		88	70 - 155
Perfluorodecanoic acid (PFDA)	2.48	2.07		ng/g		84	70 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 410-652628/2-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.48	2.15		ng/g		87	70 - 155
Perfluorododecanoic acid (PFDoA)	2.48	2.11		ng/g		85	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.48	2.13		ng/g		86	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.48	2.31		ng/g		93	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.20	1.62		ng/g		74	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.33	2.11		ng/g		91	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.26	1.97		ng/g		87	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.36	2.10		ng/g		89	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.30	1.81		ng/g		79	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.38	1.42		ng/g		59	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.39	1.68		ng/g		70	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.40	1.63		ng/g		68	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.64	4.00		ng/g		86	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.71	3.88		ng/g		82	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.75	3.94		ng/g		83	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.48	2.39		ng/g		97	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.48	2.38		ng/g		96	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.48	2.29		ng/g		92	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.48	2.04		ng/g		83	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.48	2.17		ng/g		88	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.4	11.1		ng/g		90	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.4	10.7		ng/g		86	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.86	1.80		ng/g		97	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.34	2.36		ng/g		101	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.48	2.06		ng/g		83	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.48	2.00		ng/g		81	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.48	2.12		ng/g		86	60 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 410-652628/2-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	2.31	1.66		ng/g		72	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	2.34	1.70		ng/g		73	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.21	1.76		ng/g		80	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.95	4.06		ng/g		82	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.4	10.7		ng/g		86	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.4	11.5		ng/g		93	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	91.6		8 - 130
13C5-PFPeA	101		35 - 130
13C5-PFHxA	94.8		40 - 130
13C4-PFHpA	101		40 - 130
13C8-PFOA	91.4		40 - 130
13C9-PFNA	91.1		40 - 130
13C6-PFDA	89.0		40 - 130
13C7-PFUnA	81.3		40 - 130
13C2-PFTeDA	70.3		20 - 130
13C3-PFBS	84.1		40 - 135
13C3-PFHxS	89.8		40 - 130
13C8-PFOS	83.5		40 - 130
13C8-PFOSA	78.2		40 - 130
d3-NMeFOSAA	93.3		40 - 135
d5-NEtFOSAA	88.9		40 - 150
13C2 4:2 FTS	91.8		40 - 165
13C2 6:2 FTS	104		40 - 215
13C2 8:2 FTS	90.7		40 - 275
13C3-HFPO-DA	84.7		40 - 130
D7-NMeFOSE	65.0		20 - 130
D9-NEtFOSE	61.5		15 - 130
d5-NEtPFOSA	60.6		10 - 130
d3-NMePFOSA	59.9		10 - 130
13C2 PFDaA	77.2		40 - 130

Lab Sample ID: LLCS 410-652628/3-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.490	0.463		ng/g		94	70 - 140
Perfluoropentanoic acid (PFPeA)	0.245	0.227		ng/g		93	60 - 150
Perfluorohexanoic acid (PFHxA)	0.245	0.220		ng/g		90	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.245	0.250		ng/g		102	65 - 145
Perfluorooctanoic acid (PFOA)	0.245	0.238		ng/g		97	70 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LLCS 410-652628/3-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	0.245	0.228		ng/g		93	70 - 155
Perfluorodecanoic acid (PFDA)	0.245	0.236		ng/g		96	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.245	0.256		ng/g		104	70 - 155
Perfluorododecanoic acid (PFDoA)	0.245	0.233		ng/g		95	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.245	0.244		ng/g		99	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.245	0.240		ng/g		98	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.218	0.158	J	ng/g		73	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.230	0.220		ng/g		96	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.224	0.223		ng/g		100	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.234	0.221		ng/g		95	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.228	0.206		ng/g		90	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.236	0.175	J	ng/g		74	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.236	0.184	J	ng/g		78	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.238	0.169	J	ng/g		71	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.460	0.432		ng/g		94	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.467	0.389	J	ng/g		83	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.470	0.390		ng/g		83	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.245	0.229		ng/g		93	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.245	0.274		ng/g		112	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.245	0.251		ng/g		102	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.245	0.255		ng/g		104	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.245	0.243		ng/g		99	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.23	1.18		ng/g		96	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.23	1.21		ng/g		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.184	0.190	J	ng/g		103	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.232	0.252		ng/g		109	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.245	0.223		ng/g		91	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.245	0.211		ng/g		86	60 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LLCS 410-652628/3-A

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)	0.245	0.208		ng/g		85	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	0.229	0.204		ng/g		89	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	0.231	0.209		ng/g		91	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	0.219	0.177	J	ng/g		81	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.490	0.416		ng/g		85	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.23	1.06		ng/g		87	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.23	1.07		ng/g		87	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	LLCS Limits
13C4-PFBA	88.0		8 - 130
13C5-PFPeA	94.1		35 - 130
13C5-PFHxA	92.3		40 - 130
13C4-PFHpA	93.5		40 - 130
13C8-PFOA	84.1		40 - 130
13C9-PFNA	87.3		40 - 130
13C6-PFDA	83.9		40 - 130
13C7-PFUnA	80.2		40 - 130
13C2-PFTeDA	72.1		20 - 130
13C3-PFBS	79.1		40 - 135
13C3-PFHxS	85.1		40 - 130
13C8-PFOS	83.7		40 - 130
13C8-PFOSA	69.6		40 - 130
d3-NMeFOSAA	80.0		40 - 135
d5-NEtFOSAA	79.9		40 - 150
13C2 4:2 FTS	84.9		40 - 165
13C2 6:2 FTS	95.5		40 - 215
13C2 8:2 FTS	86.2		40 - 275
13C3-HFPO-DA	77.4		40 - 130
D7-NMeFOSE	53.6		20 - 130
D9-NEtFOSE	46.8		15 - 130
d5-NEtPFOSA	45.9		10 - 130
d3-NMePFOSA	47.3		10 - 130
13C2 PFDaA	75.8		40 - 130

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		4.61	3.94		ng/g	✖	86	70 - 140
Perfluoropentanoic acid (PFPeA)	ND		2.31	1.92		ng/g	✖	83	60 - 150
Perfluorohexanoic acid (PFHxA)	ND		2.31	1.89		ng/g	✖	82	65 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	ND		2.31	2.13		ng/g	✱	92	65 - 145
Perfluorooctanoic acid (PFOA)	ND		2.31	1.98		ng/g	✱	86	70 - 150
Perfluorononanoic acid (PFNA)	ND		2.31	1.94		ng/g	✱	84	70 - 155
Perfluorodecanoic acid (PFDA)	ND		2.31	2.03		ng/g	✱	88	70 - 155
Perfluoroundecanoic acid (PFUnA)	ND		2.31	2.14		ng/g	✱	93	70 - 155
Perfluorododecanoic acid (PFDoA)	ND		2.31	1.96		ng/g	✱	85	70 - 150
Perfluorotridecanoic acid (PFTrDA)	ND		2.31	1.98		ng/g	✱	86	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	ND		2.31	2.01		ng/g	✱	87	65 - 150
Perfluorobutanesulfonic acid (PFBS)	ND		2.05	1.45		ng/g	✱	71	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		2.17	1.95		ng/g	✱	90	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		2.10	1.76		ng/g	✱	84	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.20	1.77		ng/g	✱	80	65 - 155
Perfluorooctanesulfonic acid (PFOS)	ND		2.14	1.77		ng/g	✱	82	65 - 160
Perfluorononanesulfonic acid (PFNS)	ND		2.22	1.43		ng/g	✱	64	55 - 140
Perfluorodecanesulfonic acid (PFDS)	ND		2.22	1.53		ng/g	✱	69	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	ND		2.24	1.19		ng/g	✱	53	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.32	3.57		ng/g	✱	83	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.39	3.58		ng/g	✱	81	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.43	3.95		ng/g	✱	89	70 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		2.31	2.27		ng/g	✱	98	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.31	2.37		ng/g	✱	103	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.31	2.23		ng/g	✱	97	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.31	2.05		ng/g	✱	89	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.31	2.03		ng/g	✱	88	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		11.5	10.2		ng/g	✱	89	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		11.5	9.91		ng/g	✱	86	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.73	1.54		ng/g	✱	89	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.18	2.26		ng/g	✱	104	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.31	2.03		ng/g	✱	88	30 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.31	1.90		ng/g	⊛	82	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.31	1.90		ng/g	⊛	82	60 - 155
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND		2.15	1.77		ng/g	⊛	82	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.18	1.70		ng/g	⊛	78	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.06	1.56		ng/g	⊛	76	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.61	3.95		ng/g	⊛	86	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		11.5	9.67		ng/g	⊛	84	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		11.5	10.1		ng/g	⊛	88	60 - 150

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4-PFBA	88.6		8 - 130
13C5-PFPeA	97.4		35 - 130
13C5-PFHxA	93.1		40 - 130
13C4-PFHpA	95.6		40 - 130
13C8-PFOA	86.3		40 - 130
13C9-PFNA	87.2		40 - 130
13C6-PFDA	86.7		40 - 130
13C7-PFUnA	85.8		40 - 130
13C2-PFTeDA	62.4		20 - 130
13C3-PFBS	76.3		40 - 135
13C3-PFHxS	81.1		40 - 130
13C8-PFOS	84.0		40 - 130
13C8-PFOSA	76.1		40 - 130
d3-NMeFOSAA	86.8		40 - 135
d5-NEtFOSAA	83.8		40 - 150
13C2 4:2 FTS	80.4		40 - 165
13C2 6:2 FTS	88.8		40 - 215
13C2 8:2 FTS	74.6		40 - 275
13C3-HFPO-DA	80.4		40 - 130
D7-NMeFOSE	63.5		20 - 130
D9-NEtFOSE	57.1		15 - 130
d5-NEtPFOSA	61.8		10 - 130
d3-NMePFOSA	61.4		10 - 130
13C2 PFDaA	81.1		40 - 130

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		4.75	3.90		ng/g	⊛	82	70 - 140	1	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	ND		2.38	1.95		ng/g	✱	82	60 - 150	1	30
Perfluorohexanoic acid (PFHxA)	ND		2.38	1.91		ng/g	✱	80	65 - 140	1	30
Perfluoroheptanoic acid (PFHpA)	ND		2.38	2.14		ng/g	✱	90	65 - 145	0	30
Perfluorooctanoic acid (PFOA)	ND		2.38	1.96		ng/g	✱	83	70 - 150	1	30
Perfluorononanoic acid (PFNA)	ND		2.38	1.98		ng/g	✱	83	70 - 155	2	30
Perfluorodecanoic acid (PFDA)	ND		2.38	1.99		ng/g	✱	84	70 - 155	2	30
Perfluoroundecanoic acid (PFUnA)	ND		2.38	2.23		ng/g	✱	94	70 - 155	4	30
Perfluorododecanoic acid (PFDoA)	ND		2.38	2.08		ng/g	✱	87	70 - 150	6	30
Perfluorotridecanoic acid (PFTTrDA)	ND		2.38	2.09		ng/g	✱	88	65 - 150	5	30
Perfluorotetradecanoic acid (PFTTeDA)	ND		2.38	1.98		ng/g	✱	83	65 - 150	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.11	1.47		ng/g	✱	70	65 - 145	2	30
Perfluoropentanesulfonic acid (PFPeS)	ND		2.23	1.95		ng/g	✱	87	55 - 160	0	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.17	1.89		ng/g	✱	87	60 - 150	7	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.27	1.86		ng/g	✱	82	65 - 155	5	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.21	1.77		ng/g	✱	80	65 - 160	0	30
Perfluorononanesulfonic acid (PFNS)	ND		2.29	1.60		ng/g	✱	70	55 - 140	12	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.29	1.70		ng/g	✱	74	40 - 155	11	30
Perfluorododecanesulfonic acid (PFDoS)	ND		2.30	1.45		ng/g	✱	63	25 - 160	19	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.46	3.73		ng/g	✱	84	60 - 150	4	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.52	3.81		ng/g	✱	84	55 - 200	6	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.56	3.61		ng/g	✱	79	70 - 150	9	30
Perfluorooctanesulfonamide (PFOSA)	ND		2.38	2.25		ng/g	✱	95	70 - 140	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.38	2.47		ng/g	✱	104	70 - 155	4	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.38	2.35		ng/g	✱	99	70 - 140	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.38	1.97		ng/g	✱	83	65 - 155	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.38	1.93		ng/g	✱	81	65 - 165	5	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		11.9	10.3		ng/g	✱	86	70 - 140	0	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		11.9	10.2		ng/g	✱	86	70 - 135	3	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.78	1.62		ng/g	✱	91	70 - 145	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.25	2.24		ng/g	✱	100	70 - 160	1	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 652842

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 652628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.38	1.97		ng/g	✱	83	30 - 140	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.38	1.88		ng/g	✱	79	60 - 150	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.38	1.93		ng/g	✱	81	60 - 155	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.22	2.01		ng/g	✱	91	70 - 150	13	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND		2.24	1.89		ng/g	✱	84	45 - 160	10	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.12	1.58		ng/g	✱	75	70 - 140	1	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.75	3.98		ng/g	✱	84	45 - 130	1	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		11.9	9.77		ng/g	✱	82	60 - 130	1	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		11.9	10.6		ng/g	✱	89	60 - 150	4	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4-PFBA	95.1		8 - 130
13C5-PFPeA	107		35 - 130
13C5-PFHxA	99.9		40 - 130
13C4-PFHpA	104		40 - 130
13C8-PFOA	94.1		40 - 130
13C9-PFNA	96.2		40 - 130
13C6-PFDA	97.7		40 - 130
13C7-PFUnA	94.0		40 - 130
13C2-PFTeDA	82.1		20 - 130
13C3-PFBS	80.2		40 - 135
13C3-PFHxS	85.6		40 - 130
13C8-PFOS	91.7		40 - 130
13C8-PFOSA	83.5		40 - 130
d3-NMeFOSAA	100		40 - 135
d5-NEtFOSAA	102		40 - 150
13C2 4:2 FTS	84.2		40 - 165
13C2 6:2 FTS	93.8		40 - 215
13C2 8:2 FTS	86.7		40 - 275
13C3-HFPO-DA	88.0		40 - 130
D7-NMeFOSE	62.7		20 - 130
D9-NEtFOSE	57.5		15 - 130
d5-NEtPFOSA	69.4		10 - 130
d3-NMePFOSA	71.0		10 - 130
13C2 PFDaA	93.8		40 - 130

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 410-653886/1-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 653886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		06/06/25 08:18	06/09/25 12:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		06/06/25 08:18	06/09/25 12:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		06/06/25 08:18	06/09/25 12:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		06/06/25 08:18	06/09/25 12:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		06/06/25 08:18	06/09/25 12:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		06/06/25 08:18	06/09/25 12:35	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		06/06/25 08:18	06/09/25 12:35	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 410-653886/1-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 653886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		06/06/25 08:18	06/09/25 12:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		0.20	0.050	ng/g		06/06/25 08:18	06/09/25 12:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		06/06/25 08:18	06/09/25 12:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		06/06/25 08:18	06/09/25 12:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		06/06/25 08:18	06/09/25 12:35	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	87.1		8 - 130	06/06/25 08:18	06/09/25 12:35	1
13C5-PFPeA	78.4		35 - 130	06/06/25 08:18	06/09/25 12:35	1
13C5-PFHxA	83.8		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C4-PFHpA	73.5		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C8-PFOA	72.8		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C9-PFNA	69.8		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C6-PFDA	70.5		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C7-PFUnA	67.4		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C2-PFTeDA	43.7		20 - 130	06/06/25 08:18	06/09/25 12:35	1
13C3-PFBS	72.8		40 - 135	06/06/25 08:18	06/09/25 12:35	1
13C3-PFHxS	70.9		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C8-PFOS	63.4		40 - 130	06/06/25 08:18	06/09/25 12:35	1
13C8-PFOSA	58.6		40 - 130	06/06/25 08:18	06/09/25 12:35	1
d3-NMeFOSAA	52.9		40 - 135	06/06/25 08:18	06/09/25 12:35	1
d5-NEtFOSAA	78.0		40 - 150	06/06/25 08:18	06/09/25 12:35	1
13C2 4:2 FTS	81.7		40 - 165	06/06/25 08:18	06/09/25 12:35	1
13C2 6:2 FTS	82.3		40 - 215	06/06/25 08:18	06/09/25 12:35	1
13C2 8:2 FTS	65.0		40 - 275	06/06/25 08:18	06/09/25 12:35	1
13C3-HFPO-DA	81.8		40 - 130	06/06/25 08:18	06/09/25 12:35	1
D7-NMeFOSE	21.4		20 - 130	06/06/25 08:18	06/09/25 12:35	1
D9-NEtFOSE	18.5		15 - 130	06/06/25 08:18	06/09/25 12:35	1
d5-NEtPFOSA	32.7		10 - 130	06/06/25 08:18	06/09/25 12:35	1
d3-NMePFOSA	41.1		10 - 130	06/06/25 08:18	06/09/25 12:35	1
13C2 PFDoA	63.0		40 - 130	06/06/25 08:18	06/09/25 12:35	1

Lab Sample ID: LCS 410-653886/2-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.90	4.31		ng/g		88	70 - 140
Perfluoropentanoic acid (PFPeA)	2.45	2.32		ng/g		94	60 - 150
Perfluorohexanoic acid (PFHxA)	2.45	2.07		ng/g		85	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.45	2.09		ng/g		85	65 - 145
Perfluorooctanoic acid (PFOA)	2.45	2.09		ng/g		85	70 - 150
Perfluorononanoic acid (PFNA)	2.45	2.21		ng/g		90	70 - 155
Perfluorodecanoic acid (PFDA)	2.45	1.85		ng/g		76	70 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 410-653886/2-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.45	2.02		ng/g		82	70 - 155
Perfluorododecanoic acid (PFDoA)	2.45	2.02		ng/g		82	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.45	2.09		ng/g		85	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.45	2.07		ng/g		85	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.18	2.10		ng/g		97	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.30	2.26		ng/g		98	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.24	2.17		ng/g		97	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.34	2.25		ng/g		96	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.28	2.09		ng/g		92	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.36	1.96		ng/g		83	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.36	1.81		ng/g		76	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.38	1.35		ng/g		57	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.60	4.21		ng/g		92	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.67	3.99		ng/g		85	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.71	4.29		ng/g		91	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.45	2.48		ng/g		101	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.45	2.39		ng/g		98	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.45	2.46		ng/g		101	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.45	2.24		ng/g		92	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.45	1.95		ng/g		80	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.3	11.1		ng/g		90	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.3	10.7		ng/g		87	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.84	1.69		ng/g		92	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.32	1.97		ng/g		85	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.45	2.26		ng/g		92	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.45	2.20		ng/g		90	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.45	2.08		ng/g		85	60 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCS 410-653886/2-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	2.29	1.65		ng/g		72	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	2.31	1.38		ng/g		60	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.19	1.89		ng/g		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.90	4.22		ng/g		86	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.3	10.3		ng/g		84	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.3	7.95		ng/g		65	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	92.9		8 - 130
13C5-PFPeA	82.0		35 - 130
13C5-PFHxA	86.9		40 - 130
13C4-PFHpA	77.9		40 - 130
13C8-PFOA	82.9		40 - 130
13C9-PFNA	79.7		40 - 130
13C6-PFDA	77.1		40 - 130
13C7-PFUnA	68.3		40 - 130
13C2-PFTeDA	41.1		20 - 130
13C3-PFBS	80.3		40 - 135
13C3-PFHxS	74.1		40 - 130
13C8-PFOS	69.9		40 - 130
13C8-PFOSA	65.9		40 - 130
d3-NMeFOSAA	56.0		40 - 135
d5-NEtFOSAA	90.1		40 - 150
13C2 4:2 FTS	84.2		40 - 165
13C2 6:2 FTS	90.6		40 - 215
13C2 8:2 FTS	68.4		40 - 275
13C3-HFPO-DA	84.1		40 - 130
D7-NMeFOSE	21.5		20 - 130
D9-NEtFOSE	16.0		15 - 130
d5-NEtPFOSA	34.5		10 - 130
d3-NMePFOSA	45.1		10 - 130
13C2 PFDoA	63.3		40 - 130

Lab Sample ID: LLCS 410-653886/3-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.460		ng/g		92	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.255		ng/g		102	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.257		ng/g		103	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.228		ng/g		91	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.259		ng/g		104	70 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LLCS 410-653886/3-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	0.250	0.223		ng/g		89	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.239		ng/g		96	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.232		ng/g		93	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.230		ng/g		92	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.258		ng/g		103	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.244		ng/g		98	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.204		ng/g		92	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.249		ng/g		106	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.242		ng/g		106	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.238		ng/g		100	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.241		ng/g		104	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.196	J	ng/g		81	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.175	J	ng/g		72	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.125	J	ng/g		52	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.454		ng/g		97	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.383	J	ng/g		81	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.479	0.421		ng/g		88	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.242		ng/g		97	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.250		ng/g		100	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.253		ng/g		101	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.243		ng/g		97	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.198	J	ng/g		79	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.42		ng/g		113	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.25		ng/g		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.169	J	ng/g		90	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.203		ng/g		86	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.219		ng/g		87	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.218		ng/g		87	60 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LLCS 410-653886/3-A

Matrix: Solid

Analysis Batch: 654748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653886

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)	0.250	0.252		ng/g		101	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	0.234	0.162	J *	ng/g		69	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	0.236	0.152	J	ng/g		65	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	0.223	0.211		ng/g		95	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.423		ng/g		85	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.11		ng/g		89	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	0.977	J	ng/g		78	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4-PFBA	109		8 - 130
13C5-PFPeA	103		35 - 130
13C5-PFHxA	99.8		40 - 130
13C4-PFHpA	92.7		40 - 130
13C8-PFOA	93.1		40 - 130
13C9-PFNA	88.3		40 - 130
13C6-PFDA	84.6		40 - 130
13C7-PFUnA	77.0		40 - 130
13C2-PFTeDA	40.2		20 - 130
13C3-PFBS	91.5		40 - 135
13C3-PFHxS	89.6		40 - 130
13C8-PFOS	79.0		40 - 130
13C8-PFOSA	73.9		40 - 130
d3-NMeFOSAA	66.7		40 - 135
d5-NEtFOSAA	115		40 - 150
13C2 4:2 FTS	101		40 - 165
13C2 6:2 FTS	102		40 - 215
13C2 8:2 FTS	82.9		40 - 275
13C3-HFPO-DA	100		40 - 130
D7-NMeFOSE	19.0	*5-	20 - 130
D9-NEtFOSE	12.1	*5-	15 - 130
d5-NEtPFOSA	40.4		10 - 130
d3-NMePFOSA	52.3		10 - 130
13C2 PFDaA	69.6		40 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-747662/1-A

Matrix: Solid

Analysis Batch: 748074

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	8.6	mg/Kg		06/02/25 15:39	06/05/25 16:30	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747662/1-A
Matrix: Solid
Analysis Batch: 748074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14.9	0.53	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Arsenic	ND		2.0	0.87	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Barium	ND		0.50	0.14	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Beryllium	ND		0.20	0.040	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Cadmium	ND		0.20	0.070	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Calcium	ND		49.7	26.8	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Chromium	ND		0.50	0.36	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Cobalt	ND		0.50	0.099	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Copper	ND		0.99	0.57	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Iron	ND		9.9	8.4	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Lead	ND		0.99	0.46	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Magnesium	ND		19.9	8.4	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Manganese	ND		0.99	0.28	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Nickel	ND	^5-	5.0	0.25	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Potassium	ND		29.8	24.1	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Selenium	ND		4.0	0.79	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Silver	ND	^5-	0.60	0.20	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Sodium	ND		139	60.9	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Thallium	ND		6.0	0.75	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Vanadium	ND		0.50	0.13	mg/Kg		06/02/25 15:39	06/05/25 16:30	1
Zinc	ND	^5-	2.0	1.0	mg/Kg		06/02/25 15:39	06/05/25 16:30	1

Lab Sample ID: LCSSRM 480-747662/2-A
Matrix: Solid
Analysis Batch: 748074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747662

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	7693		mg/Kg		100.2	47.4 - 130.2
Antimony	201	73.92		mg/Kg		36.8	0.06 - 100.0
Arsenic	181	132.1		mg/Kg		73.0	66.3 - 97.8
Barium	211	195.4		mg/Kg		92.6	73.9 - 107.1
Beryllium	270	223.7		mg/Kg		82.8	73.0 - 104.4
Cadmium	221	165.5		mg/Kg		74.9	70.6 - 101.8
Calcium	4280	3805		mg/Kg		88.9	77.3 - 111.0
Chromium	149	128.8		mg/Kg		86.5	71.8 - 105.4
Cobalt	142	129.2		mg/Kg		91.0	73.2 - 104.2
Copper	264	213.4		mg/Kg		80.9	73.5 - 104.2
Iron	7360	6406		mg/Kg		87.0	55.4 - 130.3
Lead	106	95.19		mg/Kg		89.8	76.1 - 109.4
Magnesium	2170	1832		mg/Kg		84.4	68.7 - 112.0

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCSSRM 480-747662/2-A
Matrix: Solid
Analysis Batch: 748074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747662

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	270	213.1		mg/Kg		78.9	73.0 - 107.8
Nickel	177	152.1		mg/Kg		85.9	71.8 - 103.4
Potassium	2340	2100		mg/Kg		89.7	62.8 - 113.7
Selenium	139	108.5		mg/Kg		78.1	70.0 - 107.9
Silver	59.9	48.30		mg/Kg		80.6	72.8 - 110.7
Sodium	306	257.7		mg/Kg		84.2	66.0 - 113.4
Thallium	205	167.0		mg/Kg		81.5	71.7 - 106.8
Vanadium	155	132.6		mg/Kg		85.5	69.0 - 107.7
Zinc	398	329.1		mg/Kg		82.7	68.8 - 104.5

Lab Sample ID: 480-229829-13 MS
Matrix: Solid
Analysis Batch: 748074

Client Sample ID: RI-BH-4 Fill
Prep Type: Total/NA
Prep Batch: 747662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	19700	^+	1370	23920	4 ^+	mg/Kg	⊛	312	75 - 125
Antimony	1.5	J F1	134	79.09	F1	mg/Kg	⊛	58	75 - 125
Arsenic	15.5		268	244.5		mg/Kg	⊛	85	75 - 125
Barium	216		268	507.9		mg/Kg	⊛	109	75 - 125
Beryllium	0.85		133	122.8		mg/Kg	⊛	92	75 - 125
Cadmium	0.63		134	116.7		mg/Kg	⊛	87	75 - 125
Calcium	3330	^+ F1	6700	7401	F1 ^+	mg/Kg	⊛	61	75 - 125
Chromium	24.5		134	147.9		mg/Kg	⊛	92	75 - 125
Cobalt	13.6		134	143.7		mg/Kg	⊛	97	75 - 125
Copper	22.0		134	137.2		mg/Kg	⊛	86	75 - 125
Iron	35700	^+	1370	31160	^+ 4	mg/Kg	⊛	-331	75 - 125
Lead	108	F1	134	152.1	F1	mg/Kg	⊛	33	75 - 125
Magnesium	3760	^+	6690	9291	^+	mg/Kg	⊛	83	75 - 125
Manganese	716	F2	134	375.5	4	mg/Kg	⊛	-254	75 - 125
Nickel	24.6	^5-	134	146.2	^5-	mg/Kg	⊛	91	75 - 125
Potassium	3010	F1	6700	11810	F1	mg/Kg	⊛	131	75 - 125
Selenium	ND		268	223.1		mg/Kg	⊛	83	75 - 125
Silver	ND	^5-	13.4	12.07	^5-	mg/Kg	⊛	90	75 - 125
Sodium	ND		6700	6026		mg/Kg	⊛	90	75 - 125
Thallium	ND		268	250.7		mg/Kg	⊛	94	75 - 125
Vanadium	36.5		134	164.7		mg/Kg	⊛	96	75 - 125
Zinc	120	^5- F1	134	217.1	^5- F1	mg/Kg	⊛	72	75 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 748074

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	19700	^+	1350	26590	^+ 4	mg/Kg	☆	513	75 - 125	11	20
Antimony	1.5	J F1	132	67.30	F1	mg/Kg	☆	50	75 - 125	16	20
Arsenic	15.5		265	226.5		mg/Kg	☆	80	75 - 125	8	20
Barium	216		265	523.3		mg/Kg	☆	116	75 - 125	3	20
Beryllium	0.85		131	114.6		mg/Kg	☆	87	75 - 125	7	20
Cadmium	0.63		132	108.6		mg/Kg	☆	82	75 - 125	7	20
Calcium	3330	^+ F1	6620	7477	^+ F1	mg/Kg	☆	63	75 - 125	1	20
Chromium	24.5		132	141.3		mg/Kg	☆	88	75 - 125	5	20
Cobalt	13.6		132	141.1		mg/Kg	☆	96	75 - 125	2	20
Copper	22.0		132	130.4		mg/Kg	☆	82	75 - 125	5	20
Iron	35700	^+	1350	35510	^+ 4	mg/Kg	☆	-13	75 - 125	13	20
Lead	108	F1	132	152.9	F1	mg/Kg	☆	34	75 - 125	1	20
Magnesium	3760	^+	6620	9540	^+	mg/Kg	☆	87	75 - 125	3	20
Manganese	716	F2	132	778.4	4 F2	mg/Kg	☆	47	75 - 125	70	20
Nickel	24.6	^5-	132	136.5	^5-	mg/Kg	☆	84	75 - 125	7	20
Potassium	3010	F1	6620	11340	F1	mg/Kg	☆	126	75 - 125	4	20
Selenium	ND		265	205.1		mg/Kg	☆	77	75 - 125	8	20
Silver	ND	^5-	13.2	11.39	^5-	mg/Kg	☆	86	75 - 125	6	20
Sodium	ND		6620	5652		mg/Kg	☆	85	75 - 125	6	20
Thallium	ND		265	246.1		mg/Kg	☆	93	75 - 125	2	20
Vanadium	36.5		132	159.8		mg/Kg	☆	93	75 - 125	3	20
Zinc	120	^5- F1	132	207.3	^5- F1	mg/Kg	☆	66	75 - 125	5	20

Lab Sample ID: MB 480-747663/1-A

Matrix: Solid

Analysis Batch: 748038

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.0	8.6	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Antimony	ND		15.0	0.53	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Arsenic	ND		2.0	0.88	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Barium	ND		0.50	0.14	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Beryllium	ND		0.20	0.040	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Cadmium	ND		0.20	0.070	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Calcium	ND		50.2	27.1	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Chromium	ND		0.50	0.36	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Cobalt	ND		0.50	0.10	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Copper	ND		1.0	0.57	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Iron	ND		10.0	8.5	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Lead	ND		1.0	0.46	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Magnesium	ND		20.1	8.5	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Manganese	ND		1.0	0.28	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Nickel	ND	^5-	5.0	0.25	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Potassium	ND		30.1	24.3	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Selenium	ND		4.0	0.80	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Silver	ND	^5-	0.60	0.20	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Sodium	ND		140	61.5	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Thallium	ND		6.0	0.76	mg/Kg		06/02/25 15:39	06/05/25 15:05	1
Vanadium	ND		0.50	0.13	mg/Kg		06/02/25 15:39	06/05/25 15:05	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: MB 480-747663/1-A
Matrix: Solid
Analysis Batch: 748038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND	^5-	2.0	1.0	mg/Kg		06/02/25 15:39	06/05/25 15:05	1

Lab Sample ID: LCSSRM 480-747663/2-A
Matrix: Solid
Analysis Batch: 748038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747663

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8616		mg/Kg		112.2	47.4 - 130.2
Antimony	201	82.35		mg/Kg		41.0	0.06 - 100.0
Arsenic	181	149.8		mg/Kg		82.8	66.3 - 97.8
Barium	211	213.3		mg/Kg		101.1	73.9 - 107.1
Beryllium	270	274.0		mg/Kg		101.5	73.0 - 104.4
Cadmium	221	211.1		mg/Kg		95.5	70.6 - 101.8
Calcium	4280	4339		mg/Kg		101.4	77.3 - 111.0
Chromium	149	147.2		mg/Kg		98.8	71.8 - 105.4
Copper	264	244.9		mg/Kg		92.8	73.5 - 104.2
Iron	7360	7408		mg/Kg		100.7	55.4 - 130.3
Lead	106	106.5		mg/Kg		100.5	76.1 - 109.4
Magnesium	2170	2090		mg/Kg		96.3	68.7 - 112.0
Manganese	270	247.5		mg/Kg		91.7	73.0 - 107.8
Nickel	177	175.0		mg/Kg		98.9	71.8 - 103.4
Potassium	2340	2367		mg/Kg		101.1	62.8 - 113.7
Selenium	139	121.9		mg/Kg		87.7	70.0 - 107.9
Silver	59.9	54.89		mg/Kg		91.6	72.8 - 110.7
Sodium	306	296.0		mg/Kg		96.7	66.0 - 113.4
Thallium	205	223.3	*+	mg/Kg		108.9	71.7 - 106.8
Vanadium	155	149.1		mg/Kg		96.2	69.0 - 107.7
Zinc	398	378.2		mg/Kg		95.0	68.8 - 104.5

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: LCSSRM 480-747663/2-A
Matrix: Solid
Analysis Batch: 748134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747663

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	142	145.1		mg/Kg		102.2	73.2 - 104.2

Lab Sample ID: 480-229829-23 MS
Matrix: Solid
Analysis Batch: 748038

Client Sample ID: RI-BH-10 Native
Prep Type: Total/NA
Prep Batch: 747663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	15500		1330	27290	4	mg/Kg	✱	884	75 - 125
Antimony	0.93	J F1	131	64.75	F1	mg/Kg	✱	49	75 - 125
Arsenic	6.2		261	238.8		mg/Kg	✱	89	75 - 125
Barium	170		261	425.4		mg/Kg	✱	97	75 - 125
Beryllium	0.71		130	117.0		mg/Kg	✱	90	75 - 125
Cadmium	0.71		131	115.1		mg/Kg	✱	87	75 - 125
Chromium	21.1		131	144.7		mg/Kg	✱	95	75 - 125
Cobalt	9.7		131	140.5		mg/Kg	✱	100	75 - 125
Copper	20.2		131	143.0		mg/Kg	✱	94	75 - 125
Iron	19000	^5-	1330	24630	^5- 4 ^4+	mg/Kg	✱	422	75 - 125
Lead	14.9		131	144.1		mg/Kg	✱	99	75 - 125
Magnesium	7960		6530	14540		mg/Kg	✱	101	75 - 125
Manganese	254	F1	131	432.8	F1	mg/Kg	✱	136	75 - 125
Nickel	27.4	^5-	131	141.6	^5-	mg/Kg	✱	87	75 - 125
Potassium	3960	F1	6540	13520	F1	mg/Kg	✱	146	75 - 125
Selenium	1.7	J	261	221.5		mg/Kg	✱	84	75 - 125
Silver	ND	^5-	13.1	11.99	^5-	mg/Kg	✱	92	75 - 125
Sodium	147	J	6540	6063		mg/Kg	✱	91	75 - 125
Thallium	ND	*+	261	243.3		mg/Kg	✱	93	75 - 125
Vanadium	27.8		131	161.8		mg/Kg	✱	102	75 - 125
Zinc	56.9	^5-	131	172.0	^5-	mg/Kg	✱	88	75 - 125

Lab Sample ID: 480-229829-23 MS
Matrix: Solid
Analysis Batch: 748134

Client Sample ID: RI-BH-10 Native
Prep Type: Total/NA
Prep Batch: 747663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	122000		6540	83560	4	mg/Kg	✱	-588	75 - 125

Lab Sample ID: 480-229829-23 MSD
Matrix: Solid
Analysis Batch: 748038

Client Sample ID: RI-BH-10 Native
Prep Type: Total/NA
Prep Batch: 747663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Aluminum	15500		1310	29210	4	mg/Kg	✱	1043	75 - 125	7	20
Antimony	0.93	J F1	129	62.92	F1	mg/Kg	✱	48	75 - 125	3	20
Arsenic	6.2		258	244.2		mg/Kg	✱	92	75 - 125	2	20
Barium	170		258	639.4	F1 F2	mg/Kg	✱	182	75 - 125	40	20
Beryllium	0.71		128	120.7		mg/Kg	✱	94	75 - 125	3	20
Cadmium	0.71		129	119.1		mg/Kg	✱	92	75 - 125	3	20
Chromium	21.1		129	149.8		mg/Kg	✱	100	75 - 125	3	20

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 748038

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	9.7		129	145.2		mg/Kg	✱	105	75 - 125	3	20
Copper	20.2		129	145.7		mg/Kg	✱	97	75 - 125	2	20
Iron	19000	^5-	1310	25050	^5- 4 ^+	mg/Kg	✱	460	75 - 125	2	20
Lead	14.9		129	147.7		mg/Kg	✱	103	75 - 125	2	20
Magnesium	7960		6440	14700		mg/Kg	✱	105	75 - 125	1	20
Manganese	254	F1	129	445.4	F1	mg/Kg	✱	148	75 - 125	3	20
Nickel	27.4	^5-	129	145.7	^5-	mg/Kg	✱	92	75 - 125	3	20
Potassium	3960	F1	6440	14280	F1	mg/Kg	✱	160	75 - 125	5	20
Selenium	1.7	J	258	225.4		mg/Kg	✱	87	75 - 125	2	20
Silver	ND	^5-	12.9	12.47	^5-	mg/Kg	✱	97	75 - 125	4	20
Sodium	147	J	6440	6259		mg/Kg	✱	95	75 - 125	3	20
Thallium	ND	*+	258	252.4		mg/Kg	✱	98	75 - 125	4	20
Vanadium	27.8		129	168.1		mg/Kg	✱	109	75 - 125	4	20
Zinc	56.9	^5-	129	179.0	^5-	mg/Kg	✱	95	75 - 125	4	20

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 748134

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	122000		6440	98260	4	mg/Kg	✱	-369	75 - 125	16	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-747669/1-A

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0048	mg/Kg		06/02/25 13:35	06/02/25 15:36	1

Lab Sample ID: LCSSRM 480-747669/2-A ^10

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	19.45		mg/Kg		81.0	55.8 - 109.6

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.4	F1	0.419	0.431	F1	mg/Kg	✱	-233	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	1.4	F1	0.415	0.462	F1	mg/Kg	☆	-228	80 - 120	7	20

Lab Sample ID: MB 480-747670/1-A

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0044	mg/Kg		06/02/25 13:35	06/02/25 16:13	1

Lab Sample ID: LCSSRM 480-747670/2-A ^10

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747670

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	19.14		mg/Kg		79.7	55.8 - 109.6

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.019	J	0.420	0.421		mg/Kg	☆	96	80 - 120

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 747715

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 747670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.019	J	0.415	0.427		mg/Kg	☆	99	80 - 120	2	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-747927/1-A

Matrix: Solid

Analysis Batch: 747989

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.97	0.47	mg/Kg		06/04/25 14:20	06/04/25 17:00	1

Lab Sample ID: LCSSRM 480-747927/2-A

Matrix: Solid

Analysis Batch: 747989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747927

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	150	86.51		mg/Kg		57.7	38.9 - 138.7

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-229829-13 MS

Matrix: Solid

Analysis Batch: 747989

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F2 F1	1.47	1.71	F1	mg/Kg	✱	116	85 - 115

Lab Sample ID: 480-229829-13 MSD

Matrix: Solid

Analysis Batch: 747989

Client Sample ID: RI-BH-4 Fill

Prep Type: Total/NA

Prep Batch: 747927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F2 F1	1.34	1.46	F2	mg/Kg	✱	109	85 - 115	16	15

Lab Sample ID: MB 480-748026/1-A

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.93	0.45	mg/Kg		06/05/25 12:02	06/05/25 16:09	1

Lab Sample ID: LCS 480-748026/3-A

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.396		mg/Kg		99	29 - 122

Lab Sample ID: LCS 480-748026/4-A

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.256		mg/Kg		102	29 - 122

Lab Sample ID: LCSSRM 480-748026/2-A

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748026

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	150	109.0		mg/Kg		72.6	38.9 - 138.7

Lab Sample ID: 480-229829-23 MS

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	1.37	1.52		mg/Kg	✱	111	85 - 115

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 480-229829-23 MSD

Matrix: Solid

Analysis Batch: 748109

Client Sample ID: RI-BH-10 Native

Prep Type: Total/NA

Prep Batch: 748026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F1	1.37	1.67	F1	mg/Kg	✱	122	85 - 115	10	15

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC/MS VOA

Prep Batch: 747608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-2	RI-BH-14 Native	Total/NA	Solid	5035A_L	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	5035A_L	
480-229829-5	RI-MW-1	Total/NA	Solid	5035A_L	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	5035A_L	
480-229829-8	RI-MW-3	Total/NA	Solid	5035A_L	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	5035A_L	
480-229829-10	RI-MW-4	Total/NA	Solid	5035A_L	
MB 480-747608/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747608/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 747613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-2	RI-BH-14 Native	Total/NA	Solid	8260C	747608
480-229829-4	RI-BH-15 Native	Total/NA	Solid	8260C	747608
480-229829-5	RI-MW-1	Total/NA	Solid	8260C	747608
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	8260C	747608
480-229829-8	RI-MW-3	Total/NA	Solid	8260C	747608
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	8260C	747608
480-229829-10	RI-MW-4	Total/NA	Solid	8260C	747608
MB 480-747608/2-A	Method Blank	Total/NA	Solid	8260C	747608
LCS 480-747608/1-A	Lab Control Sample	Total/NA	Solid	8260C	747608

Prep Batch: 747667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	5035A_L	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	5035A_L	
480-229829-6	RI-MW-2	Total/NA	Solid	5035A_L	
480-229829-11	RI-MW-5	Total/NA	Solid	5035A_L	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	5035A_L	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	5035A_L	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	5035A_L	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	5035A_L	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	5035A_L	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	5035A_L	
MB 480-747667/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747667/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	5035A_L	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	5035A_L	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	5035A_L	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	5035A_L	

Analysis Batch: 747696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	8260C	747667
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	8260C	747667
480-229829-6	RI-MW-2	Total/NA	Solid	8260C	747667
480-229829-11	RI-MW-5	Total/NA	Solid	8260C	747667
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	8260C	747667
480-229829-14	RI-BH-6 Native	Total/NA	Solid	8260C	747667
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	8260C	747667
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	8260C	747667

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC/MS VOA (Continued)

Analysis Batch: 747696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	8260C	747667
480-229829-24	RI-BH-11 Native	Total/NA	Solid	8260C	747667
MB 480-747667/2-A	Method Blank	Total/NA	Solid	8260C	747667
LCS 480-747667/1-A	Lab Control Sample	Total/NA	Solid	8260C	747667
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	8260C	747667
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	8260C	747667
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	8260C	747667
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	8260C	747667

Prep Batch: 747822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-12	RI-BH-3	Total/NA	Solid	5035A_L	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	5035A_L	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	5035A_L	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	5035A_L	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	5035A_L	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	5035A_L	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	5035A_L	
MB 480-747822/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747822/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 747823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-12	RI-BH-3	Total/NA	Solid	8260C	747822
480-229829-16	RI-BH-7 Native	Total/NA	Solid	8260C	747822
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	8260C	747822
480-229829-21	RI-BH-9 Native	Total/NA	Solid	8260C	747822
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	8260C	747822
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	8260C	747822
480-229829-29	RI-BH-13 Native	Total/NA	Solid	8260C	747822
MB 480-747822/2-A	Method Blank	Total/NA	Solid	8260C	747822
LCS 480-747822/1-A	Lab Control Sample	Total/NA	Solid	8260C	747822

Prep Batch: 747939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	5035A_L	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	5035A_L	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	5035A_L	
MB 480-747939/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747939/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 747942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	8260C	747939
480-229829-27	RI-BH-12 Native	Total/NA	Solid	8260C	747939
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	8260C	747939
MB 480-747939/2-A	Method Blank	Total/NA	Solid	8260C	747939
LCS 480-747939/1-A	Lab Control Sample	Total/NA	Solid	8260C	747939

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC/MS Semi VOA

Prep Batch: 747709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	3546	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	3546	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	3546	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	3546	
480-229829-5	RI-MW-1	Total/NA	Solid	3546	
480-229829-6	RI-MW-2	Total/NA	Solid	3546	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	3546	
480-229829-8	RI-MW-3	Total/NA	Solid	3546	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	3546	
480-229829-10	RI-MW-4	Total/NA	Solid	3546	
480-229829-11	RI-MW-5	Total/NA	Solid	3546	
480-229829-12	RI-BH-3	Total/NA	Solid	3546	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	3546	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	3546	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	3546	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	3546	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	3546	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	3546	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	3546	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	3546	
MB 480-747709/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-747709/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	3546	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	3546	

Prep Batch: 747710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	3546	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	3546	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	3546	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	3546	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	3546	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	3546	
MB 480-747710/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-747710/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	3546	

Analysis Batch: 747863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	8270D	747710
480-229829-24	RI-BH-11 Native	Total/NA	Solid	8270D	747710
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	8270D	747710
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	8270D	747710
480-229829-27	RI-BH-12 Native	Total/NA	Solid	8270D	747710
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	8270D	747710
480-229829-29	RI-BH-13 Native	Total/NA	Solid	8270D	747710
MB 480-747710/1-A	Method Blank	Total/NA	Solid	8270D	747710
LCS 480-747710/2-A	Lab Control Sample	Total/NA	Solid	8270D	747710
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	8270D	747710

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC/MS Semi VOA (Continued)

Analysis Batch: 747863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	8270D	747710

Analysis Batch: 747866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	8270D	747709
480-229829-2	RI-BH-14 Native	Total/NA	Solid	8270D	747709
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	8270D	747709
480-229829-4	RI-BH-15 Native	Total/NA	Solid	8270D	747709
480-229829-5	RI-MW-1	Total/NA	Solid	8270D	747709
480-229829-6	RI-MW-2	Total/NA	Solid	8270D	747709
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	8270D	747709
480-229829-8	RI-MW-3	Total/NA	Solid	8270D	747709
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	8270D	747709
480-229829-10	RI-MW-4	Total/NA	Solid	8270D	747709
480-229829-11	RI-MW-5	Total/NA	Solid	8270D	747709
480-229829-12	RI-BH-3	Total/NA	Solid	8270D	747709
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	8270D	747709
480-229829-14	RI-BH-6 Native	Total/NA	Solid	8270D	747709
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	8270D	747709
480-229829-16	RI-BH-7 Native	Total/NA	Solid	8270D	747709
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	8270D	747709
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	8270D	747709
480-229829-21	RI-BH-9 Native	Total/NA	Solid	8270D	747709
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	8270D	747709
MB 480-747709/1-A	Method Blank	Total/NA	Solid	8270D	747709
LCS 480-747709/2-A	Lab Control Sample	Total/NA	Solid	8270D	747709
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	8270D	747709
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	8270D	747709

Prep Batch: 748019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23 - RE	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-24 - RE	RI-BH-11 Native	Total/NA	Solid	3546	
480-229829-25 - RE	RI-BH-11 Fill	Total/NA	Solid	3546	
480-229829-26 - RE	RI-BH-12 Fill	Total/NA	Solid	3546	
480-229829-27 - RE	RI-BH-12 Native	Total/NA	Solid	3546	
480-229829-28 - RE	RI-BH-13 Fill	Total/NA	Solid	3546	
480-229829-29 - RE	RI-BH-13 Native	Total/NA	Solid	3546	
MB 480-748019/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-748019/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-229829-23 MS - RE	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-23 MSD - RE	RI-BH-10 Native	Total/NA	Solid	3546	

Analysis Batch: 748077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23 - RE	RI-BH-10 Native	Total/NA	Solid	8270D	748019
480-229829-24 - RE	RI-BH-11 Native	Total/NA	Solid	8270D	748019
480-229829-25 - RE	RI-BH-11 Fill	Total/NA	Solid	8270D	748019
480-229829-26 - RE	RI-BH-12 Fill	Total/NA	Solid	8270D	748019
480-229829-27 - RE	RI-BH-12 Native	Total/NA	Solid	8270D	748019
480-229829-28 - RE	RI-BH-13 Fill	Total/NA	Solid	8270D	748019

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC/MS Semi VOA (Continued)

Analysis Batch: 748077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-29 - RE	RI-BH-13 Native	Total/NA	Solid	8270D	748019
MB 480-748019/1-A	Method Blank	Total/NA	Solid	8270D	748019
LCS 480-748019/2-A	Lab Control Sample	Total/NA	Solid	8270D	748019
480-229829-23 MS - RE	RI-BH-10 Native	Total/NA	Solid	8270D	748019
480-229829-23 MSD - RE	RI-BH-10 Native	Total/NA	Solid	8270D	748019

GC Semi VOA

Prep Batch: 747616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	3550C	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	3550C	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	3550C	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	3550C	
480-229829-5	RI-MW-1	Total/NA	Solid	3550C	
480-229829-6	RI-MW-2	Total/NA	Solid	3550C	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	3550C	
480-229829-8	RI-MW-3	Total/NA	Solid	3550C	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	3550C	
480-229829-10	RI-MW-4	Total/NA	Solid	3550C	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	3550C	
MB 480-747616/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-747616/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	3550C	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	3550C	

Analysis Batch: 747631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	8082A	747616
480-229829-2	RI-BH-14 Native	Total/NA	Solid	8082A	747616
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	8082A	747616
480-229829-4	RI-BH-15 Native	Total/NA	Solid	8082A	747616
480-229829-5	RI-MW-1	Total/NA	Solid	8082A	747616
480-229829-6	RI-MW-2	Total/NA	Solid	8082A	747616
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	8082A	747616
480-229829-8	RI-MW-3	Total/NA	Solid	8082A	747616
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	8082A	747616
480-229829-10	RI-MW-4	Total/NA	Solid	8082A	747616
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	8082A	747616
MB 480-747616/1-A	Method Blank	Total/NA	Solid	8082A	747616
LCS 480-747616/2-A	Lab Control Sample	Total/NA	Solid	8082A	747616
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	8082A	747616
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	8082A	747616

Prep Batch: 747708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-11	RI-MW-5	Total/NA	Solid	3550C	
480-229829-12	RI-BH-3	Total/NA	Solid	3550C	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	3550C	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	3550C	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	3550C	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC Semi VOA (Continued)

Prep Batch: 747708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	3550C	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	3550C	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	3550C	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	3550C	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	3550C	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	3550C	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	3550C	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	3550C	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	3550C	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	3550C	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	3550C	
MB 480-747708/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-747708/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	3550C	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	3550C	

Analysis Batch: 747722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-11	RI-MW-5	Total/NA	Solid	8082A	747708
480-229829-12	RI-BH-3	Total/NA	Solid	8082A	747708
480-229829-14	RI-BH-6 Native	Total/NA	Solid	8082A	747708
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	8082A	747708
480-229829-16	RI-BH-7 Native	Total/NA	Solid	8082A	747708
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	8082A	747708
480-229829-21	RI-BH-9 Native	Total/NA	Solid	8082A	747708
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	8082A	747708
480-229829-23	RI-BH-10 Native	Total/NA	Solid	8082A	747708
480-229829-24	RI-BH-11 Native	Total/NA	Solid	8082A	747708
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	8082A	747708
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	8082A	747708
480-229829-27	RI-BH-12 Native	Total/NA	Solid	8082A	747708
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	8082A	747708
480-229829-29	RI-BH-13 Native	Total/NA	Solid	8082A	747708
MB 480-747708/1-A	Method Blank	Total/NA	Solid	8082A	747708
LCS 480-747708/2-A	Lab Control Sample	Total/NA	Solid	8082A	747708
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	8082A	747708
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	8082A	747708

Prep Batch: 747772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	3546	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	3546	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	3546	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	3546	
480-229829-5	RI-MW-1	Total/NA	Solid	3546	
480-229829-6	RI-MW-2	Total/NA	Solid	3546	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	3546	
480-229829-8	RI-MW-3	Total/NA	Solid	3546	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	3546	
480-229829-10	RI-MW-4	Total/NA	Solid	3546	
480-229829-11	RI-MW-5	Total/NA	Solid	3546	

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC Semi VOA (Continued)

Prep Batch: 747772 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-12	RI-BH-3	Total/NA	Solid	3546	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	3546	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	3546	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	3546	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	3546	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	3546	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	3546	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	3546	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	3546	
MB 480-747772/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-747772/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	3546	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	3546	

Prep Batch: 747775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	3546	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	3546	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	3546	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	3546	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	3546	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	3546	
MB 480-747775/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-747775/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	3546	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	3546	

Analysis Batch: 747840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	8081B	747772
480-229829-2	RI-BH-14 Native	Total/NA	Solid	8081B	747772
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	8081B	747772
480-229829-4	RI-BH-15 Native	Total/NA	Solid	8081B	747772
480-229829-5	RI-MW-1	Total/NA	Solid	8081B	747772
480-229829-6	RI-MW-2	Total/NA	Solid	8081B	747772
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	8081B	747772
480-229829-8	RI-MW-3	Total/NA	Solid	8081B	747772
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	8081B	747772
480-229829-10	RI-MW-4	Total/NA	Solid	8081B	747772
480-229829-11	RI-MW-5	Total/NA	Solid	8081B	747772
480-229829-12	RI-BH-3	Total/NA	Solid	8081B	747772
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	8081B	747772
480-229829-14	RI-BH-6 Native	Total/NA	Solid	8081B	747772
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	8081B	747772
480-229829-16	RI-BH-7 Native	Total/NA	Solid	8081B	747772
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	8081B	747772
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	8081B	747772
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	8081B	747772
MB 480-747772/1-A	Method Blank	Total/NA	Solid	8081B	747772
LCS 480-747772/2-A	Lab Control Sample	Total/NA	Solid	8081B	747772

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

GC Semi VOA (Continued)

Analysis Batch: 747840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	8081B	747772
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	8081B	747772

Analysis Batch: 747842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	8081B	747775
480-229829-24	RI-BH-11 Native	Total/NA	Solid	8081B	747775
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	8081B	747775
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	8081B	747775
480-229829-27	RI-BH-12 Native	Total/NA	Solid	8081B	747775
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	8081B	747775
480-229829-29	RI-BH-13 Native	Total/NA	Solid	8081B	747775
MB 480-747775/1-A	Method Blank	Total/NA	Solid	8081B	747775
LCS 480-747775/2-A	Lab Control Sample	Total/NA	Solid	8081B	747775
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	8081B	747775
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	8081B	747775

Analysis Batch: 747886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	8082A	747708

Analysis Batch: 747949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21	RI-BH-9 Native	Total/NA	Solid	8081B	747772

LCMS

Prep Batch: 652595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21	RI-BH-9 Native	Total/NA	Solid	1633 Shake	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	1633 Shake	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	1633 Shake	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	1633 Shake	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	1633 Shake	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	1633 Shake	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	1633 Shake	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	1633 Shake	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	1633 Shake	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	1633 Shake	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	1633 Shake	

Prep Batch: 652628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	1633 Shake	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	1633 Shake	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	1633 Shake	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	1633 Shake	
480-229829-5	RI-MW-1	Total/NA	Solid	1633 Shake	
480-229829-6	RI-MW-2	Total/NA	Solid	1633 Shake	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	1633 Shake	
480-229829-8	RI-MW-3	Total/NA	Solid	1633 Shake	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

LCMS (Continued)

Prep Batch: 652628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	1633 Shake	
480-229829-10	RI-MW-4	Total/NA	Solid	1633 Shake	
480-229829-11	RI-MW-5	Total/NA	Solid	1633 Shake	
480-229829-12	RI-BH-3	Total/NA	Solid	1633 Shake	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	1633 Shake	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	1633 Shake	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	1633 Shake	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	1633 Shake	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	1633 Shake	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	1633 Shake	
MB 410-652628/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-652628/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 410-652628/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	1633 Shake	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	1633 Shake	

Analysis Batch: 652842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	1633	652628
480-229829-2	RI-BH-14 Native	Total/NA	Solid	1633	652628
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	1633	652628
480-229829-4	RI-BH-15 Native	Total/NA	Solid	1633	652628
480-229829-5	RI-MW-1	Total/NA	Solid	1633	652628
480-229829-6	RI-MW-2	Total/NA	Solid	1633	652628
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	1633	652628
480-229829-8	RI-MW-3	Total/NA	Solid	1633	652628
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	1633	652628
480-229829-10	RI-MW-4	Total/NA	Solid	1633	652628
480-229829-11	RI-MW-5	Total/NA	Solid	1633	652628
480-229829-12	RI-BH-3	Total/NA	Solid	1633	652628
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	1633	652628
480-229829-14	RI-BH-6 Native	Total/NA	Solid	1633	652628
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	1633	652628
480-229829-16	RI-BH-7 Native	Total/NA	Solid	1633	652628
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	1633	652628
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	1633	652628
MB 410-652628/1-A	Method Blank	Total/NA	Solid	1633	652628
LCS 410-652628/2-A	Lab Control Sample	Total/NA	Solid	1633	652628
LLCS 410-652628/3-A	Lab Control Sample	Total/NA	Solid	1633	652628
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	1633	652628
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	1633	652628

Analysis Batch: 653395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21	RI-BH-9 Native	Total/NA	Solid	1633	652595
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	1633	652595
480-229829-23	RI-BH-10 Native	Total/NA	Solid	1633	652595
480-229829-24	RI-BH-11 Native	Total/NA	Solid	1633	652595
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	1633	652595
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	1633	652595
480-229829-27	RI-BH-12 Native	Total/NA	Solid	1633	652595

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

LCMS (Continued)

Analysis Batch: 653395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	1633	652595
480-229829-29	RI-BH-13 Native	Total/NA	Solid	1633	652595
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	1633	652595
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	1633	652595

Prep Batch: 653886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21 - RE	RI-BH-9 Native	Total/NA	Solid	1633 Shake	
480-229829-22 - RE	RI-BH-10 Fill	Total/NA	Solid	1633 Shake	
480-229829-26 - RE	RI-BH-12 Fill	Total/NA	Solid	1633 Shake	
MB 410-653886/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-653886/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 410-653886/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 654748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21 - RE	RI-BH-9 Native	Total/NA	Solid	1633	653886
480-229829-22 - RE	RI-BH-10 Fill	Total/NA	Solid	1633	653886
480-229829-26 - RE	RI-BH-12 Fill	Total/NA	Solid	1633	653886
MB 410-653886/1-A	Method Blank	Total/NA	Solid	1633	653886
LCS 410-653886/2-A	Lab Control Sample	Total/NA	Solid	1633	653886
LLCS 410-653886/3-A	Lab Control Sample	Total/NA	Solid	1633	653886

Metals

Prep Batch: 747662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	3050B	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	3050B	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	3050B	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	3050B	
480-229829-5	RI-MW-1	Total/NA	Solid	3050B	
480-229829-6	RI-MW-2	Total/NA	Solid	3050B	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	3050B	
480-229829-8	RI-MW-3	Total/NA	Solid	3050B	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	3050B	
480-229829-10	RI-MW-4	Total/NA	Solid	3050B	
480-229829-11	RI-MW-5	Total/NA	Solid	3050B	
480-229829-12	RI-BH-3	Total/NA	Solid	3050B	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	3050B	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	3050B	
MB 480-747662/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-747662/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	3050B	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	3050B	

Prep Batch: 747663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	3050B	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	3050B	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	3050B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Metals (Continued)

Prep Batch: 747663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	3050B	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	3050B	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	3050B	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	3050B	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	3050B	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	3050B	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	3050B	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	3050B	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	3050B	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	3050B	
MB 480-747663/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-747663/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	3050B	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	3050B	

Prep Batch: 747669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	7471B	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	7471B	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	7471B	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	7471B	
480-229829-5	RI-MW-1	Total/NA	Solid	7471B	
480-229829-6	RI-MW-2	Total/NA	Solid	7471B	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	7471B	
480-229829-8	RI-MW-3	Total/NA	Solid	7471B	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	7471B	
480-229829-10	RI-MW-4	Total/NA	Solid	7471B	
480-229829-11	RI-MW-5	Total/NA	Solid	7471B	
480-229829-12	RI-BH-3	Total/NA	Solid	7471B	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	7471B	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	7471B	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	7471B	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	7471B	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	7471B	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	7471B	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	7471B	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	7471B	
MB 480-747669/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-747669/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	7471B	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	7471B	

Prep Batch: 747670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	7471B	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	7471B	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	7471B	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	7471B	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	7471B	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	7471B	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	7471B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Metals (Continued)

Prep Batch: 747670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-747670/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-747670/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	7471B	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	7471B	

Analysis Batch: 747715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	7471B	747669
480-229829-2	RI-BH-14 Native	Total/NA	Solid	7471B	747669
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	7471B	747669
480-229829-4	RI-BH-15 Native	Total/NA	Solid	7471B	747669
480-229829-5	RI-MW-1	Total/NA	Solid	7471B	747669
480-229829-6	RI-MW-2	Total/NA	Solid	7471B	747669
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	7471B	747669
480-229829-8	RI-MW-3	Total/NA	Solid	7471B	747669
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	7471B	747669
480-229829-10	RI-MW-4	Total/NA	Solid	7471B	747669
480-229829-11	RI-MW-5	Total/NA	Solid	7471B	747669
480-229829-12	RI-BH-3	Total/NA	Solid	7471B	747669
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	7471B	747669
480-229829-14	RI-BH-6 Native	Total/NA	Solid	7471B	747669
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	7471B	747669
480-229829-16	RI-BH-7 Native	Total/NA	Solid	7471B	747669
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	7471B	747669
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	7471B	747669
480-229829-21	RI-BH-9 Native	Total/NA	Solid	7471B	747669
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	7471B	747669
480-229829-23	RI-BH-10 Native	Total/NA	Solid	7471B	747670
480-229829-24	RI-BH-11 Native	Total/NA	Solid	7471B	747670
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	7471B	747670
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	7471B	747670
480-229829-27	RI-BH-12 Native	Total/NA	Solid	7471B	747670
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	7471B	747670
480-229829-29	RI-BH-13 Native	Total/NA	Solid	7471B	747670
MB 480-747669/1-A	Method Blank	Total/NA	Solid	7471B	747669
MB 480-747670/1-A	Method Blank	Total/NA	Solid	7471B	747670
LCSSRM 480-747669/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	747669
LCSSRM 480-747670/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	747670
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	7471B	747669
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	7471B	747669
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	7471B	747670
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	7471B	747670

Analysis Batch: 748038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	6010D	747663
480-229829-16	RI-BH-7 Native	Total/NA	Solid	6010D	747663
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	6010D	747663
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	6010D	747663
480-229829-21	RI-BH-9 Native	Total/NA	Solid	6010D	747663
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	6010D	747663

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Metals (Continued)

Analysis Batch: 748038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-23	RI-BH-10 Native	Total/NA	Solid	6010D	747663
480-229829-24	RI-BH-11 Native	Total/NA	Solid	6010D	747663
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	6010D	747663
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	6010D	747663
480-229829-27	RI-BH-12 Native	Total/NA	Solid	6010D	747663
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	6010D	747663
480-229829-29	RI-BH-13 Native	Total/NA	Solid	6010D	747663
MB 480-747663/1-A	Method Blank	Total/NA	Solid	6010D	747663
LCSSRM 480-747663/2-A	Lab Control Sample	Total/NA	Solid	6010D	747663
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	6010D	747663
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	6010D	747663

Analysis Batch: 748074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	6010D	747662
480-229829-2	RI-BH-14 Native	Total/NA	Solid	6010D	747662
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	6010D	747662
480-229829-4	RI-BH-15 Native	Total/NA	Solid	6010D	747662
480-229829-5	RI-MW-1	Total/NA	Solid	6010D	747662
480-229829-6	RI-MW-2	Total/NA	Solid	6010D	747662
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	6010D	747662
480-229829-8	RI-MW-3	Total/NA	Solid	6010D	747662
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	6010D	747662
480-229829-10	RI-MW-4	Total/NA	Solid	6010D	747662
480-229829-11	RI-MW-5	Total/NA	Solid	6010D	747662
480-229829-12	RI-BH-3	Total/NA	Solid	6010D	747662
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	6010D	747662
480-229829-14	RI-BH-6 Native	Total/NA	Solid	6010D	747662
MB 480-747662/1-A	Method Blank	Total/NA	Solid	6010D	747662
LCSSRM 480-747662/2-A	Lab Control Sample	Total/NA	Solid	6010D	747662
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	6010D	747662
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	6010D	747662

Analysis Batch: 748124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	6010D	747662

Analysis Batch: 748134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	6010D	747663
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	6010D	747663
480-229829-23	RI-BH-10 Native	Total/NA	Solid	6010D	747663
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	6010D	747663
LCSSRM 480-747663/2-A	Lab Control Sample	Total/NA	Solid	6010D	747663
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	6010D	747663
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	6010D	747663

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

General Chemistry

Analysis Batch: 747681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	Moisture	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	Moisture	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	Moisture	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	Moisture	
480-229829-5	RI-MW-1	Total/NA	Solid	Moisture	
480-229829-6	RI-MW-2	Total/NA	Solid	Moisture	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	Moisture	
480-229829-8	RI-MW-3	Total/NA	Solid	Moisture	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	Moisture	
480-229829-10	RI-MW-4	Total/NA	Solid	Moisture	
480-229829-11	RI-MW-5	Total/NA	Solid	Moisture	
480-229829-12	RI-BH-3	Total/NA	Solid	Moisture	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	Moisture	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	Moisture	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	Moisture	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	Moisture	
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	Moisture	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	Moisture	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	Moisture	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	Moisture	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	Moisture	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	Moisture	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	Moisture	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	Moisture	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	Moisture	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	Moisture	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	Moisture	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	Moisture	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	Moisture	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	Moisture	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	Moisture	

Prep Batch: 747927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	9012B	
480-229829-2	RI-BH-14 Native	Total/NA	Solid	9012B	
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	9012B	
480-229829-4	RI-BH-15 Native	Total/NA	Solid	9012B	
480-229829-5	RI-MW-1	Total/NA	Solid	9012B	
480-229829-6	RI-MW-2	Total/NA	Solid	9012B	
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	9012B	
480-229829-8	RI-MW-3	Total/NA	Solid	9012B	
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	9012B	
480-229829-10	RI-MW-4	Total/NA	Solid	9012B	
480-229829-11	RI-MW-5	Total/NA	Solid	9012B	
480-229829-12	RI-BH-3	Total/NA	Solid	9012B	
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	9012B	
480-229829-14	RI-BH-6 Native	Total/NA	Solid	9012B	
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	9012B	
480-229829-16	RI-BH-7 Native	Total/NA	Solid	9012B	
MB 480-747927/1-A	Method Blank	Total/NA	Solid	9012B	

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

General Chemistry (Continued)

Prep Batch: 747927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-747927/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	9012B	
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	9012B	

Analysis Batch: 747989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-1	RI-BH-14 Fill	Total/NA	Solid	9012B	747927
480-229829-2	RI-BH-14 Native	Total/NA	Solid	9012B	747927
480-229829-3	RI-BH-15 Fill	Total/NA	Solid	9012B	747927
480-229829-4	RI-BH-15 Native	Total/NA	Solid	9012B	747927
480-229829-5	RI-MW-1	Total/NA	Solid	9012B	747927
480-229829-6	RI-MW-2	Total/NA	Solid	9012B	747927
480-229829-7	RI-MW-2 DUP	Total/NA	Solid	9012B	747927
480-229829-8	RI-MW-3	Total/NA	Solid	9012B	747927
480-229829-9	RI-MW-3 DUP	Total/NA	Solid	9012B	747927
480-229829-10	RI-MW-4	Total/NA	Solid	9012B	747927
480-229829-11	RI-MW-5	Total/NA	Solid	9012B	747927
480-229829-12	RI-BH-3	Total/NA	Solid	9012B	747927
480-229829-13	RI-BH-4 Fill	Total/NA	Solid	9012B	747927
480-229829-14	RI-BH-6 Native	Total/NA	Solid	9012B	747927
480-229829-15	RI-BH-6 Fill	Total/NA	Solid	9012B	747927
480-229829-16	RI-BH-7 Native	Total/NA	Solid	9012B	747927
MB 480-747927/1-A	Method Blank	Total/NA	Solid	9012B	747927
LCSSRM 480-747927/2-A	Lab Control Sample	Total/NA	Solid	9012B	747927
480-229829-13 MS	RI-BH-4 Fill	Total/NA	Solid	9012B	747927
480-229829-13 MSD	RI-BH-4 Fill	Total/NA	Solid	9012B	747927

Prep Batch: 748026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	9012B	
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	9012B	
480-229829-21	RI-BH-9 Native	Total/NA	Solid	9012B	
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	9012B	
480-229829-23	RI-BH-10 Native	Total/NA	Solid	9012B	
480-229829-24	RI-BH-11 Native	Total/NA	Solid	9012B	
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	9012B	
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	9012B	
480-229829-27	RI-BH-12 Native	Total/NA	Solid	9012B	
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	9012B	
480-229829-29	RI-BH-13 Native	Total/NA	Solid	9012B	
MB 480-748026/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-748026/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-748026/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-748026/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	9012B	
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	9012B	

Analysis Batch: 748109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-17	RI-BH-7 Fill	Total/NA	Solid	9012B	748026
480-229829-20	RI-BH-9 Fill	Total/NA	Solid	9012B	748026

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

General Chemistry (Continued)

Analysis Batch: 748109 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229829-21	RI-BH-9 Native	Total/NA	Solid	9012B	748026
480-229829-22	RI-BH-10 Fill	Total/NA	Solid	9012B	748026
480-229829-23	RI-BH-10 Native	Total/NA	Solid	9012B	748026
480-229829-24	RI-BH-11 Native	Total/NA	Solid	9012B	748026
480-229829-25	RI-BH-11 Fill	Total/NA	Solid	9012B	748026
480-229829-26	RI-BH-12 Fill	Total/NA	Solid	9012B	748026
480-229829-27	RI-BH-12 Native	Total/NA	Solid	9012B	748026
480-229829-28	RI-BH-13 Fill	Total/NA	Solid	9012B	748026
480-229829-29	RI-BH-13 Native	Total/NA	Solid	9012B	748026
MB 480-748026/1-A	Method Blank	Total/NA	Solid	9012B	748026
LCS 480-748026/3-A	Lab Control Sample	Total/NA	Solid	9012B	748026
LCS 480-748026/4-A	Lab Control Sample	Total/NA	Solid	9012B	748026
LCSSRM 480-748026/2-A	Lab Control Sample	Total/NA	Solid	9012B	748026
480-229829-23 MS	RI-BH-10 Native	Total/NA	Solid	9012B	748026
480-229829-23 MSD	RI-BH-10 Native	Total/NA	Solid	9012B	748026

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-14 Fill

Lab Sample ID: 480-229829-1

Date Collected: 05/30/25 10:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/02/25 22:42
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 13:18
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 11:25
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 16:59
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 05:35
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 16:54
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:38
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:04

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 02:56
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 13:43
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 11:44
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 17:18

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-14 Native

Lab Sample ID: 480-229829-2

Date Collected: 05/30/25 10:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 05:49
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 16:56
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:40
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:05

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-15 Fill

Lab Sample ID: 480-229829-3

Date Collected: 05/30/25 10:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/02/25 23:09
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		10	747866	JMM	EET BUF	06/04/25 14:08
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		20	747840	JLS	EET BUF	06/04/25 12:04
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 17:36
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 06:03
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		5	748124	BMB	EET BUF	06/06/25 10:32
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 16:57
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:41
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:05

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-15 Native

Lab Sample ID: 480-229829-4

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 03:50
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 14:32
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 12:23
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 17:54
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 06:18
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 16:59
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:42
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:08

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-1

Lab Sample ID: 480-229829-5

Date Collected: 05/30/25 11:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 04:17
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 14:57
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 12:43
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 18:13

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-1

Date Collected: 05/30/25 11:15

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-5

Matrix: Solid

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 06:32
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:01
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:43
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:08

Client Sample ID: RI-MW-2

Date Collected: 05/30/25 11:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-2

Date Collected: 05/30/25 11:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-6

Matrix: Solid

Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/02/25 23:35
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 15:23
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 13:03
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 18:31
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 06:46
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:03
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:45
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:09

Client Sample ID: RI-MW-2 DUP

Date Collected: 05/30/25 11:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-2 DUP

Lab Sample ID: 480-229829-7

Date Collected: 05/30/25 11:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 05:11
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 15:48
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 13:22
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 18:49
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 07:00
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:05
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:46
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:12

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-3

Lab Sample ID: 480-229829-8

Date Collected: 05/30/25 12:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 05:38
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 16:12
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 13:42
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 19:08
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 07:14
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:15
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:47
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:12

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-3 DUP

Lab Sample ID: 480-229829-9

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 06:05
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 16:37
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 14:01
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 19:26
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 07:28
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:17
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:51
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:12

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747608	CDC	EET BUF	06/01/25 18:04
Total/NA	Analysis	8260C		1	747613	CDC	EET BUF	06/02/25 06:32
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 17:01
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 14:21
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 20:21

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-MW-4

Lab Sample ID: 480-229829-10

Date Collected: 05/30/25 12:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 07:42
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:19
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:53
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:13

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-MW-5

Lab Sample ID: 480-229829-11

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 00:02
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 17:27
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 14:41
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 17:41
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 08:24
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:21
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:54
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:13

Client Sample ID: RI-BH-3

Lab Sample ID: 480-229829-12

Date Collected: 05/30/25 11:00

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-3

Date Collected: 05/30/25 11:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-12

Matrix: Solid

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/03/25 22:31
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 17:52
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 15:00
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 17:59
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 08:38
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:23
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:55
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:16

Client Sample ID: RI-BH-4 Fill

Date Collected: 05/30/25 01:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-4 Fill

Date Collected: 05/30/25 01:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-13

Matrix: Solid

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 00:56
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 12:53
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 11:05
Total/NA	Prep	3550C			747616	SMP	EET BUF	06/02/25 07:20
Total/NA	Analysis	8082A		1	747631	W1T	EET BUF	06/02/25 14:51
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 08:52
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:25
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 15:56
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:01

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-6 Native

Lab Sample ID: 480-229829-14

Date Collected: 05/30/25 02:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 01:23
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 18:17
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 15:20
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 18:18
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 09:35
Total/NA	Prep	3050B			747662	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748074	BMB	EET BUF	06/05/25 17:42
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:02
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:16

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 01:50
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 18:42
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 15:39
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 18:36

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-6 Fill

Lab Sample ID: 480-229829-15

Date Collected: 05/30/25 02:15

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 09:49
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:09
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:03
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:17

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-7 Native

Lab Sample ID: 480-229829-16

Date Collected: 05/30/25 02:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/03/25 22:58
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 19:06
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 15:59
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 18:55
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 10:03
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:11
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:07
Total/NA	Prep	9012B			747927	AM	EET BUF	06/04/25 14:20
Total/NA	Analysis	9012B		1	747989	AM	EET BUF	06/04/25 17:17

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-7 Fill

Lab Sample ID: 480-229829-17

Date Collected: 05/30/25 02:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 02:44
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 19:31
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		5	747840	JLS	EET BUF	06/04/25 16:38
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747886	H9RU	EET BUF	06/04/25 12:17
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 10:17
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:13
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		5	748134	BMB	EET BUF	06/06/25 11:41
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:08
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:17

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-9 Fill

Lab Sample ID: 480-229829-20

Date Collected: 05/30/25 03:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/03/25 23:25
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 19:57
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 16:58
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 19:32
Total/NA	Prep	1633 Shake			652628	AM9P	ELLE	06/04/25 07:50
Total/NA	Analysis	1633		1	652842	LDU5	ELLE	06/05/25 10:31
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:15
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		5	748134	BMB	EET BUF	06/06/25 11:43

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-9 Fill

Date Collected: 05/30/25 03:30

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-20

Matrix: Solid

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:09
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:17

Client Sample ID: RI-BH-9 Native

Date Collected: 05/30/25 08:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-9 Native

Date Collected: 05/30/25 08:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-21

Matrix: Solid

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/03/25 23:52
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 20:22
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		10	747949	JLS	EET BUF	06/05/25 09:54
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 19:50
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 12:07
Total/NA	Prep	1633 Shake	RE		653886	UFD4	ELLE	06/06/25 08:18
Total/NA	Analysis	1633	RE	1	654748	RPU6	ELLE	06/09/25 13:16
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:17
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:11
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:18

Client Sample ID: RI-BH-10 Fill

Date Collected: 05/30/25 08:05

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Fill

Lab Sample ID: 480-229829-22

Date Collected: 05/30/25 08:05

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/04/25 00:19
Total/NA	Prep	3546			747709	SMP	EET BUF	06/03/25 06:37
Total/NA	Analysis	8270D		1	747866	JMM	EET BUF	06/04/25 20:48
Total/NA	Prep	3546			747772	LSC	EET BUF	06/03/25 13:20
Total/NA	Analysis	8081B		1	747840	JLS	EET BUF	06/04/25 17:37
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 20:09
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 12:21
Total/NA	Prep	1633 Shake	RE		653886	UFD4	ELLE	06/06/25 08:18
Total/NA	Analysis	1633	RE	1	654748	RPU6	ELLE	06/09/25 13:29
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:19
Total/NA	Prep	7471B			747669	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:12
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:21

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 04:32
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 18:42
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 12:24
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 10:33
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 17:22
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 12:34
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:21

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-10 Native

Lab Sample ID: 480-229829-23

Date Collected: 05/30/25 08:10

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		5	748134	BMB	EET BUF	06/06/25 11:45
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:16
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:13

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-11 Native

Lab Sample ID: 480-229829-24

Date Collected: 05/30/25 08:35

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747667	LCH	EET BUF	06/02/25 11:51
Total/NA	Analysis	8260C		1	747696	CDC	EET BUF	06/03/25 04:59
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 21:52
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 12:55
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 10:52
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 20:27
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 13:15
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:48
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:24
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:21

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-11 Fill

Lab Sample ID: 480-229829-25

Date Collected: 05/30/25 08:45

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/04/25 00:45
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 22:19
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 13:48
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 11:12
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 20:46
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 13:29
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:50
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:25
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:22

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/04/25 22:21
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 22:46
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 14:15
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 11:31
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 21:04
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 13:42
Total/NA	Prep	1633 Shake	RE		653886	UFD4	ELLE	06/06/25 08:18
Total/NA	Analysis	1633	RE	1	654748	RPU6	ELLE	06/09/25 14:51

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-12 Fill

Lab Sample ID: 480-229829-26

Date Collected: 05/30/25 09:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:52
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		5	748134	BMB	EET BUF	06/06/25 11:55
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:26
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:22

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-12 Native

Lab Sample ID: 480-229829-27

Date Collected: 05/30/25 09:30

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/04/25 22:44
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 23:13
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 14:46
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 11:51
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 21:23
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 13:56
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:54
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:28
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:22

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Fill

Date Collected: 05/30/25 09:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-13 Fill

Date Collected: 05/30/25 09:45

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-28

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/04/25 23:08
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/04/25 23:39
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 15:12
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 12:10
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 21:41
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 14:10
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 15:56
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:29
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:25

Client Sample ID: RI-BH-13 Native

Date Collected: 05/30/25 10:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747681	JLS	EET BUF	06/02/25 14:32

Client Sample ID: RI-BH-13 Native

Date Collected: 05/30/25 10:00

Date Received: 05/30/25 18:50

Lab Sample ID: 480-229829-29

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747822	CDC	EET BUF	06/03/25 18:54
Total/NA	Analysis	8260C		1	747823	CDC	EET BUF	06/04/25 02:33
Total/NA	Prep	3546			747710	SMP	EET BUF	06/03/25 06:42
Total/NA	Analysis	8270D		1	747863	JMM	EET BUF	06/05/25 00:07
Total/NA	Prep	3546	RE		748019	LSC	EET BUF	06/05/25 13:46
Total/NA	Analysis	8270D	RE	1	748077	JMM	EET BUF	06/06/25 15:39

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Client Sample ID: RI-BH-13 Native

Lab Sample ID: 480-229829-29

Date Collected: 05/30/25 10:00

Matrix: Solid

Date Received: 05/30/25 18:50

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			747775	LSC	EET BUF	06/03/25 13:31
Total/NA	Analysis	8081B		1	747842	JLS	EET BUF	06/04/25 12:30
Total/NA	Prep	3550C			747708	VXF	EET BUF	06/03/25 06:25
Total/NA	Analysis	8082A		1	747722	H9RU	EET BUF	06/03/25 22:00
Total/NA	Prep	1633 Shake			652595	X3LR	ELLE	06/04/25 07:16
Total/NA	Analysis	1633		1	653395	P7EB	ELLE	06/05/25 14:23
Total/NA	Prep	3050B			747663	EMO	EET BUF	06/02/25 15:39
Total/NA	Analysis	6010D		1	748038	BMB	EET BUF	06/05/25 16:06
Total/NA	Prep	7471B			747670	ESB	EET BUF	06/02/25 13:35
Total/NA	Analysis	7471B		1	747715	ESB	EET BUF	06/02/25 16:30
Total/NA	Prep	9012B			748026	AM	EET BUF	06/05/25 12:02
Total/NA	Analysis	9012B		1	748109	AM	EET BUF	06/05/25 16:25

Laboratory References:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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
1633	1633 Shake	Solid	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
1633	1633 Shake	Solid	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633 Shake	Solid	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
1633	1633 Shake	Solid	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
1633	1633 Shake	Solid	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633 Shake	Solid	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
1633	1633 Shake	Solid	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
1633	1633 Shake	Solid	Perfluoro-3-methoxypropanoic acid (PFMPA)
1633	1633 Shake	Solid	Perfluoro-4-methoxybutanoic acid (PFMBA)
1633	1633 Shake	Solid	Perfluorobutanesulfonic acid (PFBS)
1633	1633 Shake	Solid	Perfluorodecanesulfonic acid (PFDS)
1633	1633 Shake	Solid	Perfluorododecanesulfonic acid (PFDoS)
1633	1633 Shake	Solid	Perfluoroheptanesulfonic acid (PFHpS)

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date

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
1633	1633 Shake	Solid	Perfluorohexanesulfonic acid (PFHxS)
1633	1633 Shake	Solid	Perfluorononanesulfonic acid (PFNS)
1633	1633 Shake	Solid	Perfluorooctanesulfonamide (PFOSA)
1633	1633 Shake	Solid	Perfluoropentanesulfonic acid (PFPeS)

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	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
9012B	Cyanide, Total and/or Amenable, Distillation	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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-229829-1	RI-BH-14 Fill	Solid	05/30/25 10:15	05/30/25 18:50
480-229829-2	RI-BH-14 Native	Solid	05/30/25 10:30	05/30/25 18:50
480-229829-3	RI-BH-15 Fill	Solid	05/30/25 10:45	05/30/25 18:50
480-229829-4	RI-BH-15 Native	Solid	05/30/25 11:00	05/30/25 18:50
480-229829-5	RI-MW-1	Solid	05/30/25 11:15	05/30/25 18:50
480-229829-6	RI-MW-2	Solid	05/30/25 11:30	05/30/25 18:50
480-229829-7	RI-MW-2 DUP	Solid	05/30/25 11:45	05/30/25 18:50
480-229829-8	RI-MW-3	Solid	05/30/25 12:00	05/30/25 18:50
480-229829-9	RI-MW-3 DUP	Solid	05/30/25 12:15	05/30/25 18:50
480-229829-10	RI-MW-4	Solid	05/30/25 12:30	05/30/25 18:50
480-229829-11	RI-MW-5	Solid	05/30/25 12:45	05/30/25 18:50
480-229829-12	RI-BH-3	Solid	05/30/25 11:00	05/30/25 18:50
480-229829-13	RI-BH-4 Fill	Solid	05/30/25 01:45	05/30/25 18:50
480-229829-14	RI-BH-6 Native	Solid	05/30/25 02:00	05/30/25 18:50
480-229829-15	RI-BH-6 Fill	Solid	05/30/25 02:15	05/30/25 18:50
480-229829-16	RI-BH-7 Native	Solid	05/30/25 02:30	05/30/25 18:50
480-229829-17	RI-BH-7 Fill	Solid	05/30/25 02:45	05/30/25 18:50
480-229829-20	RI-BH-9 Fill	Solid	05/30/25 03:30	05/30/25 18:50
480-229829-21	RI-BH-9 Native	Solid	05/30/25 08:00	05/30/25 18:50
480-229829-22	RI-BH-10 Fill	Solid	05/30/25 08:05	05/30/25 18:50
480-229829-23	RI-BH-10 Native	Solid	05/30/25 08:10	05/30/25 18:50
480-229829-24	RI-BH-11 Native	Solid	05/30/25 08:35	05/30/25 18:50
480-229829-25	RI-BH-11 Fill	Solid	05/30/25 08:45	05/30/25 18:50
480-229829-26	RI-BH-12 Fill	Solid	05/30/25 09:00	05/30/25 18:50
480-229829-27	RI-BH-12 Native	Solid	05/30/25 09:30	05/30/25 18:50
480-229829-28	RI-BH-13 Fill	Solid	05/30/25 09:45	05/30/25 18:50
480-229829-29	RI-BH-13 Native	Solid	05/30/25 10:00	05/30/25 18:50

Quantitation Limit Exceptions Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229829-1

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

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
1633	Perfluorononanoic acid (PFNA)	Solid	Total/NA	ng/g	0.050	0.2
1633	Perfluorooctanoic acid (PFOA)	Solid	Total/NA	ng/g	0.050	0.2

#225

Client Information		Lab PM: Beninati, John		COC No: 480-205004-41795.1	
Client Contact: Paul Staub		E-Mail: John.Beninati@eurofins.com		Page: Page 1 of 4	
Company: Bridges Engineering in Environment & Energy DPC		PWSID:		Job #:	
Address: 960 Busti Ave Suite B-150		Due Date Requested:		Analysis Requested	
City: Buffalo		TAT Requested (days): 5-day		Preservation Codes:	
State, Zip: NY, 14213		Compliance Project: ☐ Yes ☒ No		N - None	
Phone: 716-869-1564(Tel)		PO #: Purchase Order not required		B - NaOH	
Email: pstaub@be3corp.com		WO #:		D - HNO3	
Project Name: 48028797		Sample Date		A - HCL	
Site: 2nd and Washington Street		Sample Time		Other:	
SSOWN#:		Sample Type (C=Comp, G=Grab)		Total Number of Containers	
Sample Identification		Preservation Code:		Special Instructions/Note:	
RI-BH-14 Fill	3/30 10:15	C	Solid	8260C - TCL VOCs + TICs	
RI-BH-14 Native	10:30		Solid	8010D, 7470A	
RI-BH-15 Fill	10:45		Solid	8270D - TCL SVOCs + TICs	
RI-BH-15 NGWIVE	11:00		Solid	8081B - TCL Pesticides	
RI-MW-1	11:15		Solid	8082A - TCL PCBs	
RI-MW-2	11:30		Solid	9012B, NP - Cyanide, Total	
RI-MW-2 DUP	11:45		Solid	8260C - TCL VOCs + TICs	
RI-MW-3	12:00		Solid	8082A, 8270D	
RI-MW-3 DUP	12:15		Solid	6010D, 7471B, 8081A, 9012B	
RI-MW-4	12:30		Solid	1633_Final - List of 40 based on EPA method	
RI-MW-5	12:45		Solid	Perform MS/MSD (Yes or No)	
Possible Hazard Identification		Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)		Date: 5/30 6:50 AM		Date/Time: 5/30/23 12:50	
Empty Kit Relinquished by: Paul Staub		Date: 5/30 6:50 AM		Date/Time: 5/30/23 12:50	
Relinquished by: Paul Staub		Date: 5/30 6:50 AM		Date/Time: 5/30/23 12:50	
Relinquished by: Paul Staub		Date: 5/30 6:50 AM		Date/Time: 5/30/23 12:50	
Custody Seal No.: 14, 14, 12.5 12.5 12.5 12.5		Custody Seal No.: 14, 14, 12.5 12.5 12.5 12.5		Custody Seal No.: 14, 14, 12.5 12.5 12.5 12.5	

[illegible]

Syracuse

Chain of Custody Record

10000 Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

eurofins
Environment Testing

#225

Client Information		Sampler: Beninati, John		Lab PM: Beninati, John		Carrier Tracking No(s): 480-205004-41795.3	
Client Contact: Paul Staub		Phone:		E-Mail: John.Beninati@eurofins.com		State of Origin:	
Company: Bridges Engineering in Environment & Energy DPC		PWSID:		Analysis Requested		Job #:	
Address: 960 Busti Ave Suite B-150		Due Date Requested:		TAT Requested (days): 5-day		Preservation Codes: N - None B - NaOH D - HNO3 A - HCL	
City: Buffalo		Compliance Project: ☐ Yes ☒ No		Purchase Order not required		Other:	
State, Zip: NY, 14213		PO #:		WO #:		Total Number of containers	
Phone: 716-869-1564(Tel)		Project #:		48028797		Special Instructions/Note:	
Email: pstaub@be3corp.com		Site:		2nd & Washington Street			
Project Name:		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
SSOWN#:		Preservation Code:		Matrix (Water, Solid, Other)			
Sample Identification		RI-BH-9 Native		3/30 8:00		C Solid	
RI-BH-10 Fill		8:05		Solid			
RI-BH-10 Native		8:10		Solid			
RI-BH-10 MS		8:15		Solid			
RI-BH-10 MSD		8:25		Solid			
RI-BH-11 Native		8:35		Solid			
RI-BH-11 Fill		8:45		Solid			
RI-BH-12 Fill		9:00		Solid			
RI-BH-12 Native		9:30		Solid			
RI-BH-13 Fill		9:45		Solid			
RI-BH-13 Native		10:00		Solid			
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Paul Staub		Date/Time: 5/30 6:50 PM		Company: BE3		Received by: LC	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: See pg 1		Ver: 10/10/2024	

Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Beninati, John		Carrier Tracking No(s): N/A		COC No: 480-92794.1											
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: John.Beninati@et.eurofinsus.com		State of Origin: New York		Page: Page 1 of 4											
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New York				Job #: 480-229829-1											
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: N/A Project Name: 2nd & Washington Street Site: N/A		Due Date Requested: 6/5/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 48028797 SSOW#: N/A		Analysis Requested						Preservation Codes: Other: N/A									
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, Anal)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		1633 Final/1633 Shake, 1g List of 40 based on EPA method		Total Number of containers		Special Instructions/Note:	
						Preservation Code:													
RI-BH-14 Fill (480-229829-1)		5/30/25		10:15 Eastern		G		Solid				X				1			
RI-BH-14 Native (480-229829-2)		5/30/25		10:30 Eastern		G		Solid				X				1			
RI-BH-15 Fill (480-229829-3)		5/30/25		10:45 Eastern		G		Solid				X				1			
RI-BH-15 Native (480-229829-4)		5/30/25		11:00 Eastern		G		Solid				X				1			
RI-MW-1 (480-229829-5)		5/30/25		11:15 Eastern		G		Solid				X				1			
RI-MW-2 (480-229829-6)		5/30/25		11:30 Eastern		G		Solid				X				1			
RI-MW-2 DUP (480-229829-7)		5/30/25		11:45 Eastern		G		Solid				X				1			
RI-MW-3 (480-229829-8)		5/30/25		12:00 Eastern		G		Solid				X				1			
RI-MW-3 DUP (480-229829-9)		5/30/25		12:15 Eastern		G		Solid				X				1			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2									
Empty Kit Relinquished by:										Special Instructions/QC Requirements:									
Date:										Method of Shipment:									
Relinquished by: <i>hs</i>										Received by: <i>hs</i>									
Date/Time: <i>6-2-25 1600</i>										Date/Time: <i>6/3/25 9:45 AM</i>									
Relinquished by:										Received by:									
Date/Time:										Date/Time:									
Relinquished by:										Received by:									
Date/Time:										Date/Time:									
Custody Seals Intact: ☐ Yes ☐ No										Custody Seal No.: <i>1.2.6 25</i>									
										Colder Temperature(s) °C and Other Remarks: <i>R.2.6</i>									

Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Beninati, John		Carrier Tracking No(s): N/A		COC No: 480-92794.2																															
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: John.Beninati@et.eurofinsus.com		State of Origin: New York		Page: Page 2 of 4																															
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New York				Job #: 480-229829-1																															
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: N/A Project Name: 2nd & Washington Street Site: N/A		Due Date Requested: 6/5/2025 TAT Requested (days): N/A		Analysis Requested				Preservation Codes: -																															
		PO #: N/A WO #: N/A Project #: 48028797 SSOW#: N/A						Other: N/A																															
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=wash, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		1633 Final/1633 Shake_1g List of 40 based on EPA method		Total Number of containers		Special Instructions/Note:																					
RI-MW-4 (480-229829-10)		5/30/25		12:30 Eastern		G		Solid				X				1																							
RI-MW-5 (480-229829-11)		5/30/25		12:45 Eastern		G		Solid				X				1																							
RI-BH-3 (480-229829-12)		5/30/25		11:00 Eastern		G		Solid				X				1																							
RI-BH-4 Fill (480-229829-13)		5/30/25		01:45 Eastern		G		Solid				X				1																							
RI-BH-4 Fill (480-229829-13MS)		5/30/25		01:45 Eastern		G		Solid				X				1																							
RI-BH-4 Fill (480-229829-13MSD)		5/30/25		01:45 Eastern		G		Solid				X				1																							
RI-BH-6 Native (480-229829-14)		5/30/25		02:00 Eastern		G		Solid				X				1																							
RI-BH-8 Fill (480-229829-15)		5/30/25		02:15 Eastern		G		Solid				X				1																							
RI-BH-7 Native (480-229829-16)		5/30/25		02:30 Eastern		G		Solid				X				1																							
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.																																							
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																													
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2																													
										Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:										Date:					Time:					Method of Shipment:																			
Relinquished by:										Date/Time:					Company					Received by:					Date/Time:					Company									
Relinquished by:										Date/Time:					Company					Received by:					Date/Time:					Company									
Relinquished by:										Date/Time:					Company					Received by: <i>John</i>					Date/Time: <i>6/5/25 9:45</i>					Company: <i>ENVT</i>									
Custody Seals Intact: Δ Yes Δ No										Custody Seal No.:										Cooler Temperature(s) °C and Other Remarks: <i>12.6</i>										<i>6/5/25 12:26 2.5</i>									

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10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Beninati, John		Carrier Tracking No(s): N/A		COC No: 480-92794.3											
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: John.Beninati@et.eurofinsus.com		State of Origin: New York		Page: Page 3 of 4											
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New York				Job #: 480-229829-1											
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: N/A Project Name: 2nd & Washington Street Site: N/A		Due Date Requested: 6/5/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 48028797 SSOW#: N/A		Analysis Requested					Preservation Codes: Other: N/A										
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AA=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		1633 Final/1633 Shake, 1g List of 40 based on EPA method		Total Number of containers		Special Instructions/Note:	
RI-BH-7 Fill (480-229829-17)		5/30/25		02:45 Eastern		G		Solid				X							
RI-BH-9 Fill (480-229829-20)		5/30/25		03:30 Eastern		G		Solid				X							
RI-BH-9 Native (480-229829-21)		5/30/25		08:00 Eastern		G		Solid				X							
RI-BH-10 Fill (480-229829-22)		5/30/25		08:05 Eastern		G		Solid				X							
RI-BH-10 Native (480-229829-23)		5/30/25		08:10 Eastern		G		Solid				X							
RI-BH-10 Native (480-229829-23MS)		5/30/25		08:10 Eastern		G		Solid				X							
RI-BH-10 Native (480-229829-23MSD)		5/30/25		08:10 Eastern		G		Solid				X							
RI-BH-11 Native (480-229829-24)		5/30/25		08:35 Eastern		G		Solid				X							
RI-BH-11 Fill (480-229829-25)		5/30/25		08:45 Eastern		G		Solid				X							
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)										Special Instructions/QC Requirements:									
Empty Kit Relinquished by:										Date:									
Relinquished by:										Date/Time:									
Relinquished by:										Date/Time:									
Relinquished by:										Date/Time:									
Custody Seals Intact: Δ Yes Δ No										Custody Seal No.:									
Cooler Temperature(s) °C and Other Remarks:										Ver: 10/10/2024									

eurolins | Environment Testing

6/10/2025

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-229829-1

Login Number: 229829

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

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	14.4, 12.5 IR#SC ice
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.	False	
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	Brydges Engineering in Environmental & Energy
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-229829-1

Login Number: 229829

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 06/03/25 11:16 AM

Creator: Santiago, Nathaniel

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Staub
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

Generated 6/11/2025 1:30:09 PM

JOB DESCRIPTION

2nd & Washington Street

JOB NUMBER

480-229901-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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6/11/2025 1:30:09 PM

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

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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Qualifiers

GC/MS VOA

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

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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)

Eurofins Buffalo

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 2nd & Washington Street

Job ID: 480-229901-1

Job ID: 480-229901-1

Eurofins Buffalo

Job Narrative 480-229901-1

Receipt

The samples were received on 6/3/2025 4:55 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 was 13.8° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-747942 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Cyclohexane, Isopropylbenzene, Methylcyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: RI-BH-1 Fill (480-229901-1), RI-BH-2 Fill (480-229901-3), RI-BH-2 Native (480-229901-4), RI-BH-8 Fill (480-229901-5) and RI-BH-8 Native (480-229901-6).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-747939 and analytical batch 480-747942 recovered outside control limits for the following analytes: Cyclohexane and Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: RI-BH-1 Fill (480-229901-1), RI-BH-2 Fill (480-229901-3), RI-BH-2 Native (480-229901-4), RI-BH-8 Fill (480-229901-5) and RI-BH-8 Native (480-229901-6).

Method 8260C: The following sample was analyzed using medium level soil analysis due to the abundance of non-target analytes: RI-BH-1 Native (480-229901-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 747990 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: RI-BH-1 Native (480-229901-2).

Method 8260C: The method blank for preparation batch 480-747999 and analytical batch 480-747990 contained Methylene chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated sample(s) was not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL. The associated sample is: RI-BH-1 Native (480-229901-2).

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

GC/MS Semi VOA

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: RI-BH-8 Fill (480-229901-5). Elevated reporting limits (RL) are provided.

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

GC Semi VOA

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

Metals

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748254 is outside the acceptance criteria for the following analytes: Silver, Barium, Beryllium, Magnesium, Manganese, Nickel, Vanadium, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-748254 is outside the acceptance criteria for the following analytes: Silver, Barium, Beryllium, Magnesium, Nickel, Vanadium, 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.

LCMS

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

General Chemistry

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

Organic Prep

Eurofins Buffalo

Case Narrative

Client: Brydges Engineering in Environment & Energy DPC
Project: 2nd & Washington Street

Job ID: 480-229901-1

Job ID: 480-229901-1 (Continued)

Eurofins Buffalo

Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: RI-BH-1 Fill (480-229901-1), RI-BH-1 Native (480-229901-2), RI-BH-2 Fill (480-229901-3), RI-BH-8 Fill (480-229901-5) and RI-BH-8 Native (480-229901-6).

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

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	J vs	26	4.4	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.61	J vs	5.3	0.40	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	130	J	180	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	51	J	180	24	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	38	J	180	31	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	81	J	180	33	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	66	J	180	30	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	120	J	180	33	ug/Kg	1	✱	8270D	Total/NA
Pyrene	81	J	180	34	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDT	1.6	J	3.4	0.79	ug/Kg	1	✱	8081B	Total/NA
Endrin	0.94	J	3.4	0.67	ug/Kg	1	✱	8081B	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.20	0.059	ng/g	1	✱	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.079	J	0.20	0.059	ng/g	1	✱	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0		0.20	0.11	ng/g	1	✱	1633	Total/NA
Aluminum	3300	F1	11.1	9.6	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.2	J	16.6	0.59	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.5		2.2	0.98	mg/Kg	1	✱	6010D	Total/NA
Barium	25.9	^5-	0.55	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.62	^5-	0.22	0.044	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.22		0.22	0.078	mg/Kg	1	✱	6010D	Total/NA
Calcium	1520		55.4	29.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	8.2		0.55	0.40	mg/Kg	1	✱	6010D	Total/NA
Cobalt	3.3		0.55	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	13.0		1.1	0.63	mg/Kg	1	✱	6010D	Total/NA
Iron	14500		11.1	9.4	mg/Kg	1	✱	6010D	Total/NA
Lead	40.3		1.1	0.51	mg/Kg	1	✱	6010D	Total/NA
Magnesium	291	^5-	22.2	9.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	180	^5-	1.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Nickel	7.7	^5-	5.5	0.28	mg/Kg	1	✱	6010D	Total/NA
Potassium	617		33.3	26.9	mg/Kg	1	✱	6010D	Total/NA
Vanadium	11.9	^5-	0.55	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	34.2	^5-	2.2	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.028		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	430	B	120	25	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	140	J	210	33	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	64	J	210	39	ug/Kg	1	✱	8270D	Total/NA
Acetophenone	67	J	210	37	ug/Kg	1	✱	8270D	Total/NA
Anthracene	220		210	39	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	510		210	29	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	520		210	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	660		210	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	360		210	37	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	270		210	47	ug/Kg	1	✱	8270D	Total/NA
Carbazole	110	J	210	41	ug/Kg	1	✱	8270D	Total/NA
Chrysene	550		210	51	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	110	J	210	43	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	70	J	210	37	ug/Kg	1	✱	8270D	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: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native (Continued)

Lab Sample ID: 480-229901-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	1100		210	38	ug/Kg	1	✱	8270D	Total/NA
Fluorene	63	J	210	39	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	300		210	31	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	880		210	40	ug/Kg	1	✱	8270D	Total/NA
Pyrene	900		210	40	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDD	1.3	J	4.0	0.78	ug/Kg	1	✱	8081B	Total/NA
Endrin	2.3	J	4.0	0.79	ug/Kg	1	✱	8081B	Total/NA
Methoxychlor	1.0	J	4.0	0.82	ug/Kg	1	✱	8081B	Total/NA
Aluminum	7440		12.3	10.6	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.3	J	18.4	0.65	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.2		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	95.7	^5-	0.61	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.50	^5-	0.25	0.049	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.33		0.25	0.086	mg/Kg	1	✱	6010D	Total/NA
Calcium	6300		61.4	33.1	mg/Kg	1	✱	6010D	Total/NA
Chromium	10.6		0.61	0.44	mg/Kg	1	✱	6010D	Total/NA
Cobalt	6.8		0.61	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	50.0		1.2	0.70	mg/Kg	1	✱	6010D	Total/NA
Iron	19800		12.3	10.4	mg/Kg	1	✱	6010D	Total/NA
Lead	105		1.2	0.56	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2300	^5-	24.6	10.4	mg/Kg	1	✱	6010D	Total/NA
Manganese	249		1.2	0.34	mg/Kg	1	✱	6010D	Total/NA
Nickel	17.0	^5-	6.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Potassium	1440		36.8	29.8	mg/Kg	1	✱	6010D	Total/NA
Sodium	110	J	172	75.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	15.3	^5-	0.61	0.16	mg/Kg	1	✱	6010D	Total/NA
Zinc	109	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.77		0.025	0.0057	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J vs	27	4.5	ug/Kg	1	✱	8260C	Total/NA
Benzene	0.43	J vs	5.3	0.26	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.49	J vs	5.3	0.40	ug/Kg	1	✱	8260C	Total/NA
Biphenyl	73	J	190	35	ug/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	480		190	29	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	470		190	34	ug/Kg	1	✱	8270D	Total/NA
Anthracene	600		190	34	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	2800		190	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	3900		190	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	5300		190	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	4300		190	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	2400		190	42	ug/Kg	1	✱	8270D	Total/NA
Carbazole	430		190	36	ug/Kg	1	✱	8270D	Total/NA
Chrysene	3700		190	45	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	1200		190	38	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	270		190	33	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	4300		190	34	ug/Kg	1	✱	8270D	Total/NA
Fluorene	260		190	34	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3200		190	28	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill (Continued)

Lab Sample ID: 480-229901-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	750		190	31	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	2900		190	35	ug/Kg	1	✱	8270D	Total/NA
Pyrene	3800		190	35	ug/Kg	1	✱	8270D	Total/NA
Methoxychlor	10	J	37	7.4	ug/Kg	10	✱	8081B	Total/NA
Aluminum	5150		10.5	9.1	mg/Kg	1	✱	6010D	Total/NA
Antimony	4.1	J	15.8	0.56	mg/Kg	1	✱	6010D	Total/NA
Arsenic	16.2		2.1	0.92	mg/Kg	1	✱	6010D	Total/NA
Barium	109	^5-	0.53	0.15	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.87	^5-	0.21	0.042	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.24		0.21	0.074	mg/Kg	1	✱	6010D	Total/NA
Calcium	5200		52.5	28.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	9.2		0.53	0.38	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.0		0.53	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	302		1.1	0.60	mg/Kg	1	✱	6010D	Total/NA
Iron	31300		10.5	8.9	mg/Kg	1	✱	6010D	Total/NA
Lead	123		1.1	0.48	mg/Kg	1	✱	6010D	Total/NA
Magnesium	771	^5-	21.0	8.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	188	^5-	1.1	0.29	mg/Kg	1	✱	6010D	Total/NA
Nickel	17.5	^5-	5.3	0.26	mg/Kg	1	✱	6010D	Total/NA
Potassium	656		31.5	25.5	mg/Kg	1	✱	6010D	Total/NA
Selenium	0.99	J	4.2	0.84	mg/Kg	1	✱	6010D	Total/NA
Sodium	209		147	64.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	18.7	^5-	0.53	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	48.8	^5-	2.1	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.36		0.023	0.0053	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.2	J	4.2	0.99	ug/Kg	1	✱	8081B	Total/NA
Aluminum	20400		13.1	11.3	mg/Kg	1	✱	6010D	Total/NA
Antimony	1.2	J	19.7	0.70	mg/Kg	1	✱	6010D	Total/NA
Arsenic	6.9		2.6	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	117	^5-	0.66	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.0	^5-	0.26	0.053	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.23	J	0.26	0.092	mg/Kg	1	✱	6010D	Total/NA
Calcium	16700		65.7	35.5	mg/Kg	1	✱	6010D	Total/NA
Chromium	28.5		0.66	0.47	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13.7		0.66	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	25.0		1.3	0.75	mg/Kg	1	✱	6010D	Total/NA
Iron	29800		13.1	11.1	mg/Kg	1	✱	6010D	Total/NA
Lead	14.3		1.3	0.60	mg/Kg	1	✱	6010D	Total/NA
Magnesium	8470	^5-	26.3	11.1	mg/Kg	1	✱	6010D	Total/NA
Manganese	373		1.3	0.37	mg/Kg	1	✱	6010D	Total/NA
Nickel	37.9	^5-	6.6	0.33	mg/Kg	1	✱	6010D	Total/NA
Potassium	4440		39.4	31.9	mg/Kg	1	✱	6010D	Total/NA
Sodium	166	J	184	80.6	mg/Kg	1	✱	6010D	Total/NA
Vanadium	33.9	^5-	0.66	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	68.5	^5-	2.6	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.014	J	0.027	0.0062	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J vs	27	4.6	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	530	J	1900	290	ug/Kg	10	✱	8270D	Total/NA
Anthracene	390	J	1900	340	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	750	J	1900	250	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	890	J	1900	250	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	590	J	1900	320	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	650	J	1900	410	ug/Kg	10	✱	8270D	Total/NA
Chrysene	600	J	1900	440	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1500	J	1900	340	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	540	J	1900	280	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	1400	J	1900	350	ug/Kg	10	✱	8270D	Total/NA
Pyrene	1500	J	1900	350	ug/Kg	10	✱	8270D	Total/NA
4,4'-DDT	7.1	J	18	4.2	ug/Kg	5	✱	8081B	Total/NA
Perfluorooctanoic acid (PFOA)	0.22		0.20	0.060	ng/g	1	✱	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.75		0.20	0.11	ng/g	1	✱	1633	Total/NA
Aluminum	2670		10.5	9.1	mg/Kg	1	✱	6010D	Total/NA
Antimony	2.3	J	15.8	0.56	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.2		2.1	0.93	mg/Kg	1	✱	6010D	Total/NA
Barium	45.5	^5-	0.53	0.15	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.21	^5-	0.21	0.042	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.37		0.21	0.074	mg/Kg	1	✱	6010D	Total/NA
Calcium	3080		52.6	28.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	16.2		0.53	0.38	mg/Kg	1	✱	6010D	Total/NA
Cobalt	6.0		0.53	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	265		1.1	0.60	mg/Kg	1	✱	6010D	Total/NA
Iron	53400		10.5	8.9	mg/Kg	1	✱	6010D	Total/NA
Lead	58.9		1.1	0.48	mg/Kg	1	✱	6010D	Total/NA
Magnesium	312	^5-	21.0	8.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	643		1.1	0.29	mg/Kg	1	✱	6010D	Total/NA
Nickel	15.5	^5-	5.3	0.26	mg/Kg	1	✱	6010D	Total/NA
Potassium	337		31.5	25.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	22.5	^5-	0.53	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	71.2	^5-	2.1	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.095		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA
Cyanide, Total	0.58	J	1.1	0.53	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.5	J vs	30	2.2	ug/Kg	1	✱	8260C	Total/NA
Acetone	29	J vs	30	5.1	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	130	J	210	32	ug/Kg	1	✱	8270D	Total/NA
Anthracene	67	J	210	38	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	190	J	210	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	180	J	210	35	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	220		210	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	130	J	210	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	83	J	210	46	ug/Kg	1	✱	8270D	Total/NA
Chrysene	250		210	49	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	45	J	210	41	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	47	J	210	36	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native (Continued)

Lab Sample ID: 480-229901-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Fluoranthene	360		210	37	ug/Kg	1	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	93	J	210	31	ug/Kg	1	✱		8270D	Total/NA
Naphthalene	90	J	210	34	ug/Kg	1	✱		8270D	Total/NA
Phenanthrene	330		210	38	ug/Kg	1	✱		8270D	Total/NA
Pyrene	320		210	39	ug/Kg	1	✱		8270D	Total/NA
4,4'-DDT	2.0	J	3.9	0.91	ug/Kg	1	✱		8081B	Total/NA
Endrin	1.3	J	3.9	0.77	ug/Kg	1	✱		8081B	Total/NA
Methoxychlor	1.1	J	3.9	0.80	ug/Kg	1	✱		8081B	Total/NA
Aluminum	11900		12.2	10.5	mg/Kg	1	✱		6010D	Total/NA
Antimony	0.78	J	18.4	0.65	mg/Kg	1	✱		6010D	Total/NA
Arsenic	6.0		2.4	1.1	mg/Kg	1	✱		6010D	Total/NA
Barium	105	^5-	0.61	0.17	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.59	^5-	0.24	0.049	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.27		0.24	0.086	mg/Kg	1	✱		6010D	Total/NA
Calcium	11800		61.2	33.0	mg/Kg	1	✱		6010D	Total/NA
Chromium	15.6		0.61	0.44	mg/Kg	1	✱		6010D	Total/NA
Cobalt	8.7		0.61	0.12	mg/Kg	1	✱		6010D	Total/NA
Copper	25.2		1.2	0.70	mg/Kg	1	✱		6010D	Total/NA
Iron	20300		12.2	10.4	mg/Kg	1	✱		6010D	Total/NA
Lead	60.3		1.2	0.56	mg/Kg	1	✱		6010D	Total/NA
Magnesium	3120	^5-	24.5	10.4	mg/Kg	1	✱		6010D	Total/NA
Manganese	244	^5-	1.2	0.34	mg/Kg	1	✱		6010D	Total/NA
Nickel	20.5	^5-	6.1	0.31	mg/Kg	1	✱		6010D	Total/NA
Potassium	2360		36.7	29.7	mg/Kg	1	✱		6010D	Total/NA
Sodium	86.1	J	171	75.0	mg/Kg	1	✱		6010D	Total/NA
Vanadium	23.1	^5-	0.61	0.16	mg/Kg	1	✱		6010D	Total/NA
Zinc	71.3	^5-	2.4	1.2	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.31		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: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3	0.38	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3	0.86	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3	1.2	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,1,2-Trichloroethane	ND	vs	5.3	0.69	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,1-Dichloroethane	ND	vs	5.3	0.64	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,1-Dichloroethene	ND	vs	5.3	0.65	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2,4-Trichlorobenzene	ND	vs	5.3	0.32	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3	2.6	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2-Dichlorobenzene	ND	vs	5.3	0.41	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2-Dichloroethane	ND	vs	5.3	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2-Dichloropropane	ND	vs	5.3	2.6	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,3-Dichlorobenzene	ND	vs	5.3	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,4-Dichlorobenzene	ND	vs	5.3	0.74	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
2-Butanone (MEK)	ND	vs	26	1.9	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
2-Hexanone	ND	vs	26	2.6	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
4-Methyl-2-pentanone (MIBK)	ND	vs	26	1.7	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Acetone	5.5	J vs	26	4.4	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Benzene	ND	vs	5.3	0.26	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Bromoform	ND	vs	5.3	2.6	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Bromomethane	ND	vs	5.3	0.48	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Carbon disulfide	ND	vs	5.3	2.6	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Carbon tetrachloride	ND	vs	5.3	0.51	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Chlorobenzene	ND	vs	5.3	0.70	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Dibromochloromethane	ND	vs	5.3	0.68	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Chloroethane	ND	vs	5.3	1.2	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Chloroform	ND	vs	5.3	0.33	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Chloromethane	ND	vs	5.3	0.32	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
cis-1,2-Dichloroethene	ND	vs	5.3	0.68	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Cyclohexane	ND	*+ vs	5.3	0.74	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Bromodichloromethane	ND	vs	5.3	0.71	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Dichlorodifluoromethane	ND	vs	5.3	0.44	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Ethylbenzene	ND	vs	5.3	0.36	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
1,2-Dibromoethane	ND	vs	5.3	0.68	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Isopropylbenzene	ND	*+ vs	5.3	0.80	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Methyl acetate	ND	vs	26	3.2	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Methyl tert-butyl ether	ND	vs	5.3	0.52	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Methylcyclohexane	ND	vs	5.3	0.80	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Methylene Chloride	ND	vs	5.3	2.4	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Tetrachloroethene	ND	vs	5.3	0.71	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Toluene	0.61	J vs	5.3	0.40	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
trans-1,2-Dichloroethene	ND	vs	5.3	0.55	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
trans-1,3-Dichloropropene	ND	vs	5.3	2.3	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Trichloroethene	ND	vs	5.3	1.2	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Trichlorofluoromethane	ND	vs	5.3	0.50	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Vinyl chloride	ND	vs	5.3	0.64	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Xylenes, Total	ND	vs	11	0.89	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
cis-1,3-Dichloropropene	ND	vs	5.3	0.76	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1
Styrene	ND	vs	5.3	0.26	ug/Kg	✱	06/04/25 18:51	06/05/25 01:54	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/05/25 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126				06/04/25 18:51	06/05/25 01:54	1
4-Bromofluorobenzene (Surr)	92		72 - 126				06/04/25 18:51	06/05/25 01:54	1
Toluene-d8 (Surr)	99		71 - 125				06/04/25 18:51	06/05/25 01:54	1
Dibromofluoromethane (Surr)	98		60 - 140				06/04/25 18:51	06/05/25 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
1,4-Dioxane	ND		110	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4,5-Trichlorophenol	ND		180	36	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4-Dinitrophenol	ND		1800	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Chloronaphthalene	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Methylnaphthalene	130	J	180	28	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Methylphenol	ND		180	29	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Nitroaniline	ND		350	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
2-Nitrophenol	ND		180	20	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
3,3'-Dichlorobenzidine	ND		350	52	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
3-Nitroaniline	ND		350	25	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4,6-Dinitro-2-methylphenol	ND		350	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Bromophenyl phenyl ether	ND		180	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Chloroaniline	ND		180	26	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Chlorophenyl phenyl ether	ND		180	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Methylphenol	ND		350	32	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Nitroaniline	ND		350	26	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
4-Nitrophenol	ND		350	49	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Acenaphthene	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Acenaphthylene	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Acetophenone	ND		180	31	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Anthracene	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Atrazine	ND		180	60	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzaldehyde	ND		180	140	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzo[a]anthracene	ND		180	25	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzo[a]pyrene	ND		180	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzo[b]fluoranthene	51	J	180	24	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzo[g,h,i]perylene	38	J	180	31	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Bis(2-chloroethoxy)methane	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Caprolactam	ND		180	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Carbazole	ND		180	35	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Chrysene	ND		180	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Dibenzofuran	ND		180	31	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Dimethyl phthalate	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Fluoranthene	81	J	180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Fluorene	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Hexachlorobenzene	ND		180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Hexachlorocyclopentadiene	ND		350	78	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Hexachloroethane	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Indeno[1,2,3-cd]pyrene	ND		180	27	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Isophorone	ND		180	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Naphthalene	66	J	180	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Nitrobenzene	ND		180	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Pentachlorophenol	ND		350	57	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Phenanthrene	120	J	180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Phenol	ND		180	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1
Pyrene	81	J	180	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:23	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	32000	T J	ug/Kg	☼	1.99	N/A	06/05/25 08:38	06/06/25 22:23	1
Unknown	5000	T J	ug/Kg	☼	3.47	N/A	06/05/25 08:38	06/06/25 22:23	1
Unknown	340	T J	ug/Kg	☼	10.40	N/A	06/05/25 08:38	06/06/25 22:23	1
n-Hexadecanoic acid	300	T J N	ug/Kg	☼	11.48	57-10-3	06/05/25 08:38	06/06/25 22:23	1
Unknown	390	T J	ug/Kg	☼	13.47	N/A	06/05/25 08:38	06/06/25 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		22 - 120	06/05/25 08:38	06/06/25 22:23	1
p-Terphenyl-d14 (Surr)	95		28 - 124	06/05/25 08:38	06/06/25 22:23	1
Phenol-d5 (Surr)	83		23 - 120	06/05/25 08:38	06/06/25 22:23	1
2-Fluorophenol (Surr)	78		18 - 120	06/05/25 08:38	06/06/25 22:23	1
2,4,6-Tribromophenol (Surr)	86		10 - 140	06/05/25 08:38	06/06/25 22:23	1
2-Fluorobiphenyl (Surr)	90		29 - 120	06/05/25 08:38	06/06/25 22:23	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.66	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1
4,4'-DDE	ND		3.4	0.71	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1
4,4'-DDT	1.6	J	3.4	0.79	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1
beta-BHC	ND		3.4	0.61	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1
cis-Chlordane	ND		3.4	1.7	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1
alpha-BHC	ND		3.4	0.61	ug/Kg	☼	06/06/25 06:35	06/09/25 11:32	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		3.4	0.83	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
delta-BHC	ND		3.4	0.63	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Dieldrin	ND		3.4	0.81	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endosulfan I	ND		3.4	0.65	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endosulfan II	ND		3.4	0.61	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endosulfan sulfate	ND		3.4	0.63	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endrin	0.94	J	3.4	0.67	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endrin aldehyde	ND		3.4	0.87	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Endrin ketone	ND		3.4	0.83	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
gamma-BHC (Lindane)	ND		3.4	0.62	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
trans-Chlordane	ND		3.4	1.1	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Heptachlor	ND		3.4	0.73	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Heptachlor epoxide	ND		3.4	0.87	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Methoxychlor	ND		3.4	0.69	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1
Toxaphene	ND		34	20	ug/Kg	✱	06/06/25 06:35	06/09/25 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		45 - 120	06/06/25 06:35	06/09/25 11:32	1
DCB Decachlorobiphenyl	73		45 - 120	06/06/25 06:35	06/09/25 11:32	1
Tetrachloro-m-xylene	54		30 - 124	06/06/25 06:35	06/09/25 11:32	1
Tetrachloro-m-xylene	59		30 - 124	06/06/25 06:35	06/09/25 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1221	ND		0.24	0.046	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1232	ND		0.24	0.046	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1242	ND		0.24	0.046	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1248	ND		0.24	0.046	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1254	ND		0.24	0.11	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1
PCB-1260	ND		0.24	0.11	mg/Kg	✱	06/07/25 08:51	06/09/25 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		60 - 154	06/07/25 08:51	06/09/25 14:25	1
Tetrachloro-m-xylene	101		60 - 154	06/07/25 08:51	06/09/25 14:25	1
DCB Decachlorobiphenyl	124		65 - 174	06/07/25 08:51	06/09/25 14:25	1
DCB Decachlorobiphenyl	106		65 - 174	06/07/25 08:51	06/09/25 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.068	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorooctanoic acid (PFOA)	0.13	J	0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorononanoic acid (PFNA)	0.079	J	0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.068	ng/g	✱	06/06/25 10:04	06/09/25 20:56	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorooctanesulfonic acid (PFOS)	1.0		0.20	0.11	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.078	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.068	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	*	0.20	0.088	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.078	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	06/06/25 10:04	06/09/25 20:56	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	92.4		8 - 130	06/06/25 10:04	06/09/25 20:56	1
13C5-PFPeA	88.5		35 - 130	06/06/25 10:04	06/09/25 20:56	1
13C5-PFHxA	88.6		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C4-PFHpA	83.3		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C8-PFOA	87.7		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C9-PFNA	91.9		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C6-PFDA	93.6		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C7-PFUnA	100		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C2-PFTeDA	77.3		20 - 130	06/06/25 10:04	06/09/25 20:56	1
13C3-PFBS	86.6		40 - 135	06/06/25 10:04	06/09/25 20:56	1
13C3-PFHxS	86.4		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C8-PFOS	85.6		40 - 130	06/06/25 10:04	06/09/25 20:56	1
13C8-PFOSA	81.5		40 - 130	06/06/25 10:04	06/09/25 20:56	1
d3-NMeFOSAA	90.9		40 - 135	06/06/25 10:04	06/09/25 20:56	1
d5-NEtFOSAA	83.3		40 - 150	06/06/25 10:04	06/09/25 20:56	1
13C2 4:2 FTS	101		40 - 165	06/06/25 10:04	06/09/25 20:56	1
13C2 6:2 FTS	124		40 - 215	06/06/25 10:04	06/09/25 20:56	1
13C2 8:2 FTS	97.8		40 - 275	06/06/25 10:04	06/09/25 20:56	1
13C3-HFPO-DA	78.5		40 - 130	06/06/25 10:04	06/09/25 20:56	1
D7-NMeFOSE	63.2		20 - 130	06/06/25 10:04	06/09/25 20:56	1
D9-NEtFOSE	52.6		15 - 130	06/06/25 10:04	06/09/25 20:56	1
d5-NEtPFOSA	52.1		10 - 130	06/06/25 10:04	06/09/25 20:56	1
d3-NMePFOSA	60.8		10 - 130	06/06/25 10:04	06/09/25 20:56	1
13C2 PFDaA	90.4		40 - 130	06/06/25 10:04	06/09/25 20:56	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3300	F1	11.1	9.6	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Antimony	1.2	J	16.6	0.59	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Arsenic	9.5		2.2	0.98	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Barium	25.9	^5-	0.55	0.16	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Beryllium	0.62	^5-	0.22	0.044	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Cadmium	0.22		0.22	0.078	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Calcium	1520		55.4	29.9	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Chromium	8.2		0.55	0.40	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Cobalt	3.3		0.55	0.11	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Copper	13.0		1.1	0.63	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Iron	14500		11.1	9.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Lead	40.3		1.1	0.51	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Magnesium	291	^5-	22.2	9.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Manganese	180	^5-	1.1	0.31	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Nickel	7.7	^5-	5.5	0.28	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Potassium	617		33.3	26.9	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Selenium	ND		4.4	0.89	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Silver	ND	^5-	0.67	0.22	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Sodium	ND		155	68.0	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Thallium	ND		6.7	0.84	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Vanadium	11.9	^5-	0.55	0.14	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1
Zinc	34.2	^5-	2.2	1.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:16	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.021	0.0049	mg/Kg	☆	06/06/25 08:57	06/06/25 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.49	mg/Kg	☆	06/06/25 12:45	06/06/25 16:54	1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120	35	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,1,2,2-Tetrachloroethane	ND		120	20	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120	62	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,1,2-Trichloroethane	ND		120	26	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,1-Dichloroethane	ND		120	39	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,1-Dichloroethene	ND		120	43	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2,4-Trichlorobenzene	ND		120	47	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2-Dibromo-3-Chloropropane	ND		120	62	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2-Dichlorobenzene	ND		120	32	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2-Dichloroethane	ND		120	51	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2-Dichloropropane	ND		120	20	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,3-Dichlorobenzene	ND		120	33	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,4-Dichlorobenzene	ND		120	17	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
2-Butanone (MEK)	ND		620	370	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
2-Hexanone	ND		620	260	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		620	40	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Acetone	ND		620	510	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Benzene	ND		120	24	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Bromoform	ND		120	62	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Bromomethane	ND		120	27	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Carbon disulfide	ND		120	57	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Carbon tetrachloride	ND		120	32	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Chlorobenzene	ND		120	16	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Dibromochloromethane	ND		120	60	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Chloroethane	ND		120	26	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Chloroform	ND		120	86	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Chloromethane	ND		120	30	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
cis-1,2-Dichloroethene	ND		120	34	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Cyclohexane	ND		120	28	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Bromodichloromethane	ND		120	25	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Dichlorodifluoromethane	ND		120	54	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Ethylbenzene	ND		120	36	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
1,2-Dibromoethane	ND		120	22	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Isopropylbenzene	ND		120	19	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Methyl acetate	ND		620	59	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Methyl tert-butyl ether	ND		120	47	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Methylcyclohexane	ND		120	58	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1
Methylene Chloride	430 B		120	25	ug/Kg	☆	06/05/25 11:24	06/05/25 14:50	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		120	17	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Toluene	ND		120	33	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
trans-1,2-Dichloroethene	ND		120	29	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
trans-1,3-Dichloropropene	ND		120	12	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Trichloroethene	ND		120	35	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Trichlorofluoromethane	ND		120	59	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Vinyl chloride	ND		120	42	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Xylenes, Total	ND		250	69	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
cis-1,3-Dichloropropene	ND		120	30	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1
Styrene	ND		120	30	ug/Kg	☼	06/05/25 11:24	06/05/25 14:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Heptane, 2-methyl-	12000	T J N	ug/Kg	☼	5.72	592-27-8	06/05/25 11:24	06/05/25 14:50	1
Heptane, 3-methyl-	7000	T J N	ug/Kg	☼	5.86	589-81-1	06/05/25 11:24	06/05/25 14:50	1
Octane	25000	T J N	ug/Kg	☼	6.29	111-65-9	06/05/25 11:24	06/05/25 14:50	1
Unknown	11000	T J	ug/Kg	☼	7.32	N/A	06/05/25 11:24	06/05/25 14:50	1
Octane, 3-methyl-	7900	T J N	ug/Kg	☼	7.44	2216-33-3	06/05/25 11:24	06/05/25 14:50	1
Nonane	36000	T J N	ug/Kg	☼	7.86	111-84-2	06/05/25 11:24	06/05/25 14:50	1
Octane, 2,6-dimethyl-	7700	T J N	ug/Kg	☼	8.38	2051-30-1	06/05/25 11:24	06/05/25 14:50	1
Unknown	7500	T J	ug/Kg	☼	8.70	N/A	06/05/25 11:24	06/05/25 14:50	1
Decane	23000	T J N	ug/Kg	☼	9.29	124-18-5	06/05/25 11:24	06/05/25 14:50	1
Undecane	17000	T J N	ug/Kg	☼	10.50	1120-21-4	06/05/25 11:24	06/05/25 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	06/05/25 11:24	06/05/25 14:50	1
4-Bromofluorobenzene (Surr)	97		49 - 148	06/05/25 11:24	06/05/25 14:50	1
Toluene-d8 (Surr)	101		50 - 149	06/05/25 11:24	06/05/25 14:50	1
Dibromofluoromethane (Surr)	93		60 - 140	06/05/25 11:24	06/05/25 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
1,4-Dioxane	ND		120	46	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4,5-Trichlorophenol	ND		210	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4-Dinitrophenol	ND		2100	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,4-Dinitrotoluene	ND		210	29	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Chlorophenol	ND		210	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Methylnaphthalene	140 J		210	33	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Methylphenol	ND		210	34	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Nitroaniline	ND		410	36	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
2-Nitrophenol	ND		210	24	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
3,3'-Dichlorobenzidine	ND		410	62	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
3-Nitroaniline	ND		410	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		210	36	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Chloroaniline	ND		210	30	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Methylphenol	ND		410	38	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Nitroaniline	ND		410	31	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
4-Nitrophenol	ND		410	58	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Acenaphthene	64	J	210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Acenaphthylene	ND		210	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Acetophenone	67	J	210	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Anthracene	220		210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Atrazine	ND		210	71	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzaldehyde	ND		210	160	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzo[a]anthracene	510		210	29	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzo[a]pyrene	520		210	36	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzo[b]fluoranthene	660		210	28	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzo[g,h,i]perylene	360		210	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Benzo[k]fluoranthene	270		210	47	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Bis(2-chloroethyl)ether	ND		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Bis(2-ethylhexyl) phthalate	ND		210	46	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Butyl benzyl phthalate	ND		210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Caprolactam	ND		210	49	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Carbazole	110	J	210	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Chrysene	550		210	51	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Dibenz(a,h)anthracene	110	J	210	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Dibenzofuran	70	J	210	37	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Diethyl phthalate	ND		210	38	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Dimethyl phthalate	ND		210	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Di-n-octyl phthalate	ND		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Fluoranthene	1100		210	38	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Fluorene	63	J	210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Hexachlorobenzene	ND		210	41	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Hexachlorobutadiene	ND		210	32	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Hexachlorocyclopentadiene	ND		410	92	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Hexachloroethane	ND		210	39	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Indeno[1,2,3-cd]pyrene	300		210	31	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Isophorone	ND		210	43	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Naphthalene	ND		210	35	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Nitrobenzene	ND		210	35	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Pentachlorophenol	ND		410	67	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Phenanthrene	880		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Phenol	ND		210	38	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Pyrene	900		210	40	ug/Kg	☼	06/05/25 08:38	06/06/25 22:48	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2900	T J	ug/Kg	☼	3.47	N/A	06/05/25 08:38	06/06/25 22:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Nonane	530	T J N	ug/Kg	☼	4.37	111-84-2	06/05/25 08:38	06/06/25 22:48	1
Unknown	350	T J	ug/Kg	☼	5.04	N/A	06/05/25 08:38	06/06/25 22:48	1
Unknown	580	T J	ug/Kg	☼	5.12	N/A	06/05/25 08:38	06/06/25 22:48	1
Unknown	360	T J	ug/Kg	☼	5.54	N/A	06/05/25 08:38	06/06/25 22:48	1
Unknown	430	T J	ug/Kg	☼	9.04	N/A	06/05/25 08:38	06/06/25 22:48	1
Unknown	650	T J	ug/Kg	☼	10.40	N/A	06/05/25 08:38	06/06/25 22:48	1
n-Hexadecanoic acid	620	T J N	ug/Kg	☼	11.48	57-10-3	06/05/25 08:38	06/06/25 22:48	1
Unknown	460	T J	ug/Kg	☼	13.73	N/A	06/05/25 08:38	06/06/25 22:48	1
Nonadecane	560	T J N	ug/Kg	☼	14.21	629-92-5	06/05/25 08:38	06/06/25 22:48	1
Eicosane	340	T J N	ug/Kg	☼	14.73	112-95-8	06/05/25 08:38	06/06/25 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		22 - 120	06/05/25 08:38	06/06/25 22:48	1
p-Terphenyl-d14 (Surr)	90		28 - 124	06/05/25 08:38	06/06/25 22:48	1
Phenol-d5 (Surr)	85		23 - 120	06/05/25 08:38	06/06/25 22:48	1
2-Fluorophenol (Surr)	79		18 - 120	06/05/25 08:38	06/06/25 22:48	1
2,4,6-Tribromophenol (Surr)	82		10 - 140	06/05/25 08:38	06/06/25 22:48	1
2-Fluorobiphenyl (Surr)	85		29 - 120	06/05/25 08:38	06/06/25 22:48	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.3	J	4.0	0.78	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
4,4'-DDE	ND		4.0	0.84	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
4,4'-DDT	ND		4.0	0.94	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
beta-BHC	ND		4.0	0.72	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
cis-Chlordane	ND		4.0	2.0	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
alpha-BHC	ND		4.0	0.72	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Aldrin	ND		4.0	0.99	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
delta-BHC	ND		4.0	0.75	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Dieldrin	ND		4.0	0.96	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endosulfan I	ND		4.0	0.77	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endosulfan II	ND		4.0	0.72	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endosulfan sulfate	ND		4.0	0.75	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endrin	2.3	J	4.0	0.79	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endrin aldehyde	ND		4.0	1.0	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Endrin ketone	ND		4.0	0.99	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
gamma-BHC (Lindane)	ND		4.0	0.74	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
trans-Chlordane	ND		4.0	1.3	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Heptachlor	ND		4.0	0.87	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Heptachlor epoxide	ND		4.0	1.0	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Methoxychlor	1.0	J	4.0	0.82	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1
Toxaphene	ND		40	23	ug/Kg	☼	06/06/25 06:35	06/09/25 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		45 - 120	06/06/25 06:35	06/09/25 11:52	1
DCB Decachlorobiphenyl	196	S1+	45 - 120	06/06/25 06:35	06/09/25 11:52	1
Tetrachloro-m-xylene	86		30 - 124	06/06/25 06:35	06/09/25 11:52	1
Tetrachloro-m-xylene	85		30 - 124	06/06/25 06:35	06/09/25 11:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.060	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1221	ND		0.31	0.060	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1232	ND		0.31	0.060	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1242	ND		0.31	0.060	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1248	ND		0.31	0.060	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1254	ND		0.31	0.14	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1
PCB-1260	ND		0.31	0.14	mg/Kg	✱	06/07/25 08:51	06/09/25 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	06/07/25 08:51	06/09/25 14:43	1
Tetrachloro-m-xylene	98		60 - 154	06/07/25 08:51	06/09/25 14:43	1
DCB Decachlorobiphenyl	112		65 - 174	06/07/25 08:51	06/09/25 14:43	1
DCB Decachlorobiphenyl	98		65 - 174	06/07/25 08:51	06/09/25 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.057	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.057	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/06/25 10:04	06/09/25 21:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.19	0.086	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☼	06/06/25 10:04	06/09/25 21:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	95.6		8 - 130	06/06/25 10:04	06/09/25 21:37	1
13C5-PFPeA	93.9		35 - 130	06/06/25 10:04	06/09/25 21:37	1
13C5-PFHxA	91.2		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C4-PFHpA	84.5		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C8-PFOA	92.7		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C9-PFNA	87.1		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C6-PFDA	81.4		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C7-PFUnA	78.2		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C2-PFTeDA	57.4		20 - 130	06/06/25 10:04	06/09/25 21:37	1
13C3-PFBS	88.7		40 - 135	06/06/25 10:04	06/09/25 21:37	1
13C3-PFHxS	81.5		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C8-PFOS	66.3		40 - 130	06/06/25 10:04	06/09/25 21:37	1
13C8-PFOSA	77.7		40 - 130	06/06/25 10:04	06/09/25 21:37	1
d3-NMeFOSAA	87.2		40 - 135	06/06/25 10:04	06/09/25 21:37	1
d5-NEtFOSAA	80.2		40 - 150	06/06/25 10:04	06/09/25 21:37	1
13C2 4:2 FTS	100		40 - 165	06/06/25 10:04	06/09/25 21:37	1
13C2 6:2 FTS	111		40 - 215	06/06/25 10:04	06/09/25 21:37	1
13C2 8:2 FTS	84.6		40 - 275	06/06/25 10:04	06/09/25 21:37	1
13C3-HFPO-DA	83.9		40 - 130	06/06/25 10:04	06/09/25 21:37	1
D7-NMeFOSE	47.7		20 - 130	06/06/25 10:04	06/09/25 21:37	1
D9-NEtFOSE	34.7		15 - 130	06/06/25 10:04	06/09/25 21:37	1
d5-NEtPFOSA	43.5		10 - 130	06/06/25 10:04	06/09/25 21:37	1
d3-NMePFOSA	54.8		10 - 130	06/06/25 10:04	06/09/25 21:37	1
13C2 PFDoA	65.0		40 - 130	06/06/25 10:04	06/09/25 21:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7440		12.3	10.6	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Antimony	1.3	J	18.4	0.65	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Arsenic	9.2		2.5	1.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Barium	95.7	^5-	0.61	0.17	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Beryllium	0.50	^5-	0.25	0.049	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Cadmium	0.33		0.25	0.086	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Calcium	6300		61.4	33.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Chromium	10.6		0.61	0.44	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Cobalt	6.8		0.61	0.12	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Copper	50.0		1.2	0.70	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Iron	19800		12.3	10.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Lead	105		1.2	0.56	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Magnesium	2300	^5-	24.6	10.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Manganese	249		1.2	0.34	mg/Kg	✱	06/04/25 16:37	06/09/25 13:40	1
Nickel	17.0	^5-	6.1	0.31	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Potassium	1440		36.8	29.8	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Selenium	ND		4.9	0.98	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Silver	ND	^5-	0.74	0.25	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Sodium	110	J	172	75.3	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Thallium	ND		7.4	0.93	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Vanadium	15.3	^5-	0.61	0.16	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1
Zinc	109	^5-	2.5	1.3	mg/Kg	✱	06/04/25 16:37	06/06/25 19:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.77		0.025	0.0057	mg/Kg	✱	06/06/25 08:57	06/06/25 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.59	mg/Kg	✱	06/06/25 12:45	06/06/25 16:55	1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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	5.3	0.39	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,1,1,2,2-Tetrachloroethane	ND	vs	5.3	0.86	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3	1.2	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,1,2-Trichloroethane	ND	vs	5.3	0.69	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,1-Dichloroethane	ND	vs	5.3	0.65	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,1-Dichloroethene	ND	vs	5.3	0.65	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,2,4-Trichlorobenzene	ND	vs	5.3	0.32	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,2-Dichlorobenzene	ND	vs	5.3	0.42	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,2-Dichloroethane	ND	vs	5.3	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,2-Dichloropropane	ND	vs	5.3	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,3-Dichlorobenzene	ND	vs	5.3	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1
1,4-Dichlorobenzene	ND	vs	5.3	0.74	ug/Kg	✱	06/04/25 18:51	06/05/25 02:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	vs	27	1.9	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
2-Hexanone	ND	vs	27	2.7	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27	1.7	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Acetone	6.6	J vs	27	4.5	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Benzene	0.43	J vs	5.3	0.26	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Bromoform	ND	vs	5.3	2.7	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Bromomethane	ND	vs	5.3	0.48	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Carbon disulfide	ND	vs	5.3	2.7	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Carbon tetrachloride	ND	vs	5.3	0.51	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Chlorobenzene	ND	vs	5.3	0.70	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Dibromochloromethane	ND	vs	5.3	0.68	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Chloroethane	ND	vs	5.3	1.2	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Chloroform	ND	vs	5.3	0.33	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Chloromethane	ND	vs	5.3	0.32	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
cis-1,2-Dichloroethene	ND	vs	5.3	0.68	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Cyclohexane	ND	*+ vs	5.3	0.74	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Bromodichloromethane	ND	vs	5.3	0.71	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Dichlorodifluoromethane	ND	vs	5.3	0.44	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Ethylbenzene	ND	vs	5.3	0.37	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
1,2-Dibromoethane	ND	vs	5.3	0.68	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Isopropylbenzene	ND	*+ vs	5.3	0.80	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Methyl acetate	ND	vs	27	3.2	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Methyl tert-butyl ether	ND	vs	5.3	0.52	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Methylcyclohexane	ND	vs	5.3	0.81	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Methylene Chloride	ND	vs	5.3	2.4	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Tetrachloroethene	ND	vs	5.3	0.71	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Toluene	0.49	J vs	5.3	0.40	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
trans-1,2-Dichloroethene	ND	vs	5.3	0.55	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
trans-1,3-Dichloropropene	ND	vs	5.3	2.3	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Trichloroethene	ND	vs	5.3	1.2	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Trichlorofluoromethane	ND	vs	5.3	0.50	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Vinyl chloride	ND	vs	5.3	0.65	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Xylenes, Total	ND	vs	11	0.89	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
cis-1,3-Dichloropropene	ND	vs	5.3	0.77	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1
Styrene	ND	vs	5.3	0.27	ug/Kg	☼	06/04/25 18:51	06/05/25 02:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/05/25 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				06/04/25 18:51	06/05/25 02:18	1
4-Bromofluorobenzene (Surr)	93		72 - 126				06/04/25 18:51	06/05/25 02:18	1
Toluene-d8 (Surr)	99		71 - 125				06/04/25 18:51	06/05/25 02:18	1
Dibromofluoromethane (Surr)	99		60 - 140				06/04/25 18:51	06/05/25 02:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	73	J	190	35	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
1,4-Dioxane	ND		110	41	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,4,6-Trichlorophenol	ND		190	28	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,4-Dichlorophenol	ND		190	36	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,4-Dimethylphenol	ND		190	39	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,4-Dinitrophenol	ND		1800	35	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,4-Dinitrotoluene	ND		190	25	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Chlorophenol	ND		190	29	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Methylnaphthalene	480		190	29	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Methylphenol	ND		190	30	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Nitroaniline	ND		360	32	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
2-Nitrophenol	ND		190	21	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
3,3'-Dichlorobenzidine	ND		360	54	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
3-Nitroaniline	ND		360	26	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4,6-Dinitro-2-methylphenol	ND		360	41	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Chloro-3-methylphenol	ND		190	38	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Chloroaniline	ND		190	27	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Chlorophenyl phenyl ether	ND		190	39	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Methylphenol	ND		360	33	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Nitroaniline	ND		360	27	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
4-Nitrophenol	ND		360	51	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Acenaphthene	470		190	34	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Acenaphthylene	ND		190	36	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Acetophenone	ND		190	33	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Anthracene	600		190	34	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Atrazine	ND		190	63	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzaldehyde	ND		190	140	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzo[a]anthracene	2800		190	26	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzo[a]pyrene	3900		190	32	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzo[b]fluoranthene	5300		190	25	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzo[g,h,i]perylene	4300		190	32	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Benzo[k]fluoranthene	2400		190	42	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Bis(2-ethylhexyl) phthalate	ND		190	40	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Butyl benzyl phthalate	ND		190	34	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Caprolactam	ND		190	43	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Carbazole	430		190	36	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Chrysene	3700		190	45	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Dibenz(a,h)anthracene	1200		190	38	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Dibenzofuran	270		190	33	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Diethyl phthalate	ND		190	33	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Dimethyl phthalate	ND		190	36	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Di-n-octyl phthalate	ND		190	35	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Fluoranthene	4300		190	34	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1
Fluorene	260		190	34	ug/Kg	☆	06/05/25 08:38	06/06/25 23:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		190	36	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Hexachlorocyclopentadiene	ND		360	81	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Hexachloroethane	ND		190	34	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Indeno[1,2,3-cd]pyrene	3200		190	28	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Isophorone	ND		190	38	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Naphthalene	750		190	31	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Nitrobenzene	ND		190	31	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
N-Nitrosodiphenylamine	ND		190	31	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Pentachlorophenol	ND		360	59	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Phenanthrene	2900		190	35	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Phenol	ND		190	34	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1
Pyrene	3800		190	35	ug/Kg	☼	06/05/25 08:38	06/06/25 23:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	14000	T J	ug/Kg	☼	2.00	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	8800	T J	ug/Kg	☼	3.47	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	580	T J	ug/Kg	☼	9.04	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	900	T J	ug/Kg	☼	10.40	N/A	06/05/25 08:38	06/06/25 23:13	1
Anthracene, 9-methyl-	790	T J N	ug/Kg	☼	11.42	779-02-2	06/05/25 08:38	06/06/25 23:13	1
Unknown	660	T J	ug/Kg	☼	11.49	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	550	T J	ug/Kg	☼	11.82	N/A	06/05/25 08:38	06/06/25 23:13	1
Anthracene, 1,4-dimethyl-	610	T J N	ug/Kg	☼	11.91	781-92-0	06/05/25 08:38	06/06/25 23:13	1
Unknown	910	T J	ug/Kg	☼	11.99	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	710	T J	ug/Kg	☼	12.08	N/A	06/05/25 08:38	06/06/25 23:13	1
Pyrene, 1-methyl-	570	T J N	ug/Kg	☼	12.53	2381-21-7	06/05/25 08:38	06/06/25 23:13	1
Benzo[e]pyrene	720	T J N	ug/Kg	☼	14.23	192-97-2	06/05/25 08:38	06/06/25 23:13	1
Perylene	2100	T J N	ug/Kg	☼	14.36	198-55-0	06/05/25 08:38	06/06/25 23:13	1
Unknown	760	T J	ug/Kg	☼	14.59	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	680	T J	ug/Kg	☼	15.16	N/A	06/05/25 08:38	06/06/25 23:13	1
Unknown	690	T J	ug/Kg	☼	15.46	N/A	06/05/25 08:38	06/06/25 23:13	1
N-[4-Amino-3-nitrophenyl]-N-nitroso-4-chlorobenzylamine	1000	T J N	ug/Kg	☼	15.75	1000213-60-7	06/05/25 08:38	06/06/25 23:13	1
Unknown	490	T J	ug/Kg	☼	16.27	N/A	06/05/25 08:38	06/06/25 23:13	1
3,4,8,9-Dibenzopyrene	1600	T J N	ug/Kg	☼	16.84	189-64-0	06/05/25 08:38	06/06/25 23:13	1
1,2:4,5-Dibenzopyrene	1300	T J N	ug/Kg	☼	16.94	192-65-4	06/05/25 08:38	06/06/25 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		22 - 120	06/05/25 08:38	06/06/25 23:13	1
p-Terphenyl-d14 (Surr)	102		28 - 124	06/05/25 08:38	06/06/25 23:13	1
Phenol-d5 (Surr)	95		23 - 120	06/05/25 08:38	06/06/25 23:13	1
2-Fluorophenol (Surr)	95		18 - 120	06/05/25 08:38	06/06/25 23:13	1
2,4,6-Tribromophenol (Surr)	94		10 - 140	06/05/25 08:38	06/06/25 23:13	1
2-Fluorobiphenyl (Surr)	96		29 - 120	06/05/25 08:38	06/06/25 23:13	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		37	7.1	ug/Kg	☼	06/06/25 06:35	06/09/25 12:11	10
4,4'-DDE	ND		37	7.7	ug/Kg	☼	06/06/25 06:35	06/09/25 12:11	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		37	8.5	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
beta-BHC	ND		37	6.6	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
cis-Chlordane	ND		37	18	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
alpha-BHC	ND		37	6.6	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Aldrin	ND		37	9.0	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
delta-BHC	ND		37	6.8	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Dieldrin	ND		37	8.8	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endosulfan I	ND		37	7.0	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endosulfan II	ND		37	6.6	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endosulfan sulfate	ND		37	6.8	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endrin	ND		37	7.2	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endrin aldehyde	ND		37	9.3	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Endrin ketone	ND		37	9.0	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
gamma-BHC (Lindane)	ND		37	6.7	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
trans-Chlordane	ND		37	12	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Heptachlor	ND		37	7.9	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Heptachlor epoxide	ND		37	9.4	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Methoxychlor	10	J	37	7.4	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10
Toxaphene	ND		370	210	ug/Kg	✱	06/06/25 06:35	06/09/25 12:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		45 - 120	06/06/25 06:35	06/09/25 12:11	10
DCB Decachlorobiphenyl	299	S1+	45 - 120	06/06/25 06:35	06/09/25 12:11	10
Tetrachloro-m-xylene	85		30 - 124	06/06/25 06:35	06/09/25 12:11	10
Tetrachloro-m-xylene	107		30 - 124	06/06/25 06:35	06/09/25 12:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1221	ND		0.26	0.050	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1232	ND		0.26	0.050	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1242	ND		0.26	0.050	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1248	ND		0.26	0.050	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1254	ND		0.26	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		60 - 154	06/07/25 08:51	06/09/25 15:02	1
Tetrachloro-m-xylene	76		60 - 154	06/07/25 08:51	06/09/25 15:02	1
DCB Decachlorobiphenyl	92		65 - 174	06/07/25 08:51	06/09/25 15:02	1
DCB Decachlorobiphenyl	83		65 - 174	06/07/25 08:51	06/09/25 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.20	0.088	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	✱	06/06/25 10:04	06/09/25 21:51	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☆	06/06/25 10:04	06/09/25 21:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	102		8 - 130				06/06/25 10:04	06/09/25 21:51	1
13C5-PFPeA	95.3		35 - 130				06/06/25 10:04	06/09/25 21:51	1
13C5-PFHxA	97.2		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C4-PFHpA	94.7		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C8-PFOA	99.7		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C9-PFNA	102		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C6-PFDA	94.6		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C7-PFUnA	98.7		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C2-PFTeDA	59.2		20 - 130				06/06/25 10:04	06/09/25 21:51	1
13C3-PFBS	97.7		40 - 135				06/06/25 10:04	06/09/25 21:51	1
13C3-PFHxS	92.3		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C8-PFOS	98.3		40 - 130				06/06/25 10:04	06/09/25 21:51	1
13C8-PFOSA	91.7		40 - 130				06/06/25 10:04	06/09/25 21:51	1
d3-NMeFOSAA	105		40 - 135				06/06/25 10:04	06/09/25 21:51	1
d5-NEtFOSAA	97.5		40 - 150				06/06/25 10:04	06/09/25 21:51	1
13C2 4:2 FTS	134		40 - 165				06/06/25 10:04	06/09/25 21:51	1
13C2 6:2 FTS	131		40 - 215				06/06/25 10:04	06/09/25 21:51	1
13C2 8:2 FTS	110		40 - 275				06/06/25 10:04	06/09/25 21:51	1
13C3-HFPO-DA	87.0		40 - 130				06/06/25 10:04	06/09/25 21:51	1
D7-NMeFOSE	46.0		20 - 130				06/06/25 10:04	06/09/25 21:51	1
D9-NEtFOSE	29.1		15 - 130				06/06/25 10:04	06/09/25 21:51	1
d5-NEtPFOSA	49.6		10 - 130				06/06/25 10:04	06/09/25 21:51	1
d3-NMePFOSA	60.4		10 - 130				06/06/25 10:04	06/09/25 21:51	1
13C2 PFDoA	84.2		40 - 130				06/06/25 10:04	06/09/25 21:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5150		10.5	9.1	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Antimony	4.1	J	15.8	0.56	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Arsenic	16.2		2.1	0.92	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Barium	109	^5-	0.53	0.15	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Beryllium	0.87	^5-	0.21	0.042	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Cadmium	0.24		0.21	0.074	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Calcium	5200		52.5	28.4	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Chromium	9.2		0.53	0.38	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Cobalt	8.0		0.53	0.11	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Copper	302		1.1	0.60	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Iron	31300		10.5	8.9	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Lead	123		1.1	0.48	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Magnesium	771	^5-	21.0	8.9	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Manganese	188	^5-	1.1	0.29	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Nickel	17.5	^5-	5.3	0.26	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Potassium	656		31.5	25.5	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Selenium	0.99	J	4.2	0.84	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Silver	ND	^5-	0.63	0.21	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Sodium	209		147	64.4	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Thallium	ND		6.3	0.80	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	18.7	^5-	0.53	0.14	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1
Zinc	48.8	^5-	2.1	1.1	mg/Kg	☆	06/04/25 16:37	06/06/25 19:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.36		0.023	0.0053	mg/Kg	☆	06/06/25 08:57	06/06/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.52	mg/Kg	☆	06/06/25 12:45	06/06/25 16:55	1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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	6.4	0.47	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,1,2,2-Tetrachloroethane	ND	vs	6.4	1.0	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.4	1.5	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,1,2-Trichloroethane	ND	vs	6.4	0.84	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,1-Dichloroethane	ND	vs	6.4	0.79	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,1-Dichloroethene	ND	vs	6.4	0.79	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2,4-Trichlorobenzene	ND	vs	6.4	0.39	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.4	3.2	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2-Dichlorobenzene	ND	vs	6.4	0.50	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2-Dichloroethane	ND	vs	6.4	0.32	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2-Dichloropropane	ND	vs	6.4	3.2	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,3-Dichlorobenzene	ND	vs	6.4	0.33	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,4-Dichlorobenzene	ND	vs	6.4	0.90	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
2-Butanone (MEK)	ND	vs	32	2.4	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Acetone	ND	vs	32	5.4	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Benzene	ND	vs	6.4	0.32	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Bromoform	ND	vs	6.4	3.2	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Bromomethane	ND	vs	6.4	0.58	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Carbon disulfide	ND	vs	6.4	3.2	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Carbon tetrachloride	ND	vs	6.4	0.62	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Chlorobenzene	ND	vs	6.4	0.85	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Dibromochloromethane	ND	vs	6.4	0.82	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Chloroethane	ND	vs	6.4	1.5	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Chloroform	ND	vs	6.4	0.40	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Chloromethane	ND	vs	6.4	0.39	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
cis-1,2-Dichloroethene	ND	vs	6.4	0.82	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Cyclohexane	ND	*+ vs	6.4	0.90	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Bromodichloromethane	ND	vs	6.4	0.86	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Dichlorodifluoromethane	ND	vs	6.4	0.53	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
Ethylbenzene	ND	vs	6.4	0.44	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1
1,2-Dibromoethane	ND	vs	6.4	0.83	ug/Kg	☆	06/04/25 18:51	06/05/25 02:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND	*+ vs	6.4	0.97	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Methyl acetate	ND	vs	32	3.9	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Methyl tert-butyl ether	ND	vs	6.4	0.63	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Methylcyclohexane	ND	vs	6.4	0.98	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Methylene Chloride	ND	vs	6.4	3.0	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Tetrachloroethene	ND	vs	6.4	0.86	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Toluene	ND	vs	6.4	0.49	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
trans-1,2-Dichloroethene	ND	vs	6.4	0.67	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
trans-1,3-Dichloropropene	ND	vs	6.4	2.8	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Trichloroethene	ND	vs	6.4	1.4	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Trichlorofluoromethane	ND	vs	6.4	0.61	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Vinyl chloride	ND	vs	6.4	0.79	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
cis-1,3-Dichloropropene	ND	vs	6.4	0.93	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1
Styrene	ND	vs	6.4	0.32	ug/Kg	✱	06/04/25 18:51	06/05/25 02:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	06/04/25 18:51	06/05/25 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	06/04/25 18:51	06/05/25 02:42	1
4-Bromofluorobenzene (Surr)	97		72 - 126	06/04/25 18:51	06/05/25 02:42	1
Toluene-d8 (Surr)	99		71 - 125	06/04/25 18:51	06/05/25 02:42	1
Dibromofluoromethane (Surr)	99		60 - 140	06/04/25 18:51	06/05/25 02:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		220	41	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
1,4-Dioxane	ND		130	48	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
bis (2-chloroisopropyl) ether	ND		220	45	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4,5-Trichlorophenol	ND		220	45	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4,6-Trichlorophenol	ND		220	33	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4-Dichlorophenol	ND		220	43	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4-Dimethylphenol	ND		220	46	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4-Dinitrophenol	ND		2200	42	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,4-Dinitrotoluene	ND		220	30	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2,6-Dinitrotoluene	ND		220	31	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Chloronaphthalene	ND		220	41	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Chlorophenol	ND		220	34	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Methylnaphthalene	ND		220	35	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Methylphenol	ND		220	36	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Nitroaniline	ND		430	37	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
2-Nitrophenol	ND		220	25	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
3,3'-Dichlorobenzidine	ND		430	64	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
3-Nitroaniline	ND		430	31	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
4,6-Dinitro-2-methylphenol	ND		430	48	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
4-Bromophenyl phenyl ether	ND		220	37	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
4-Chloro-3-methylphenol	ND		220	45	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
4-Chloroaniline	ND		220	32	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1
4-Chlorophenyl phenyl ether	ND		220	46	ug/Kg	✱	06/05/25 08:38	06/06/25 23:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		430	39	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
4-Nitroaniline	ND		430	32	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
4-Nitrophenol	ND		430	60	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Acenaphthene	ND		220	41	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Acenaphthylene	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Acetophenone	ND		220	39	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Anthracene	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Atrazine	ND		220	74	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzaldehyde	ND		220	170	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzo[a]anthracene	ND		220	30	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzo[a]pyrene	ND		220	37	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzo[b]fluoranthene	ND		220	29	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzo[g,h,i]perylene	ND		220	38	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Benzo[k]fluoranthene	ND		220	49	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Bis(2-chloroethoxy)methane	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Bis(2-chloroethyl)ether	ND		220	41	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Bis(2-ethylhexyl) phthalate	ND		220	48	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Butyl benzyl phthalate	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Caprolactam	ND		220	51	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Carbazole	ND		220	43	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Chrysene	ND		220	53	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Dibenz(a,h)anthracene	ND		220	44	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Dibenzofuran	ND		220	39	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Diethyl phthalate	ND		220	39	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Dimethyl phthalate	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Di-n-butyl phthalate	ND		220	49	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Di-n-octyl phthalate	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Fluoranthene	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Fluorene	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Hexachlorobenzene	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Hexachlorobutadiene	ND		220	33	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Hexachlorocyclopentadiene	ND		430	96	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Hexachloroethane	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Indeno[1,2,3-cd]pyrene	ND		220	33	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Isophorone	ND		220	45	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Naphthalene	ND		220	36	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Nitrobenzene	ND		220	37	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
N-Nitrosodi-n-propylamine	ND		220	49	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
N-Nitrosodiphenylamine	ND		220	37	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Pentachlorophenol	ND		430	70	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Phenanthrene	ND		220	41	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Phenol	ND		220	40	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1
Pyrene	ND		220	42	ug/Kg	☼	06/05/25 08:38	06/06/25 23:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	41000	T J	ug/Kg	☼	2.00	N/A	06/05/25 08:38	06/06/25 23:37	1
Unknown	2800	T J	ug/Kg	☼	3.46	N/A	06/05/25 08:38	06/06/25 23:37	1
Unknown	390	T J	ug/Kg	☼	10.38	N/A	06/05/25 08:38	06/06/25 23:37	1
Unknown	560	T J	ug/Kg	☼	12.31	N/A	06/05/25 08:38	06/06/25 23:37	1
Unknown	730	T J	ug/Kg	☼	16.01	N/A	06/05/25 08:38	06/06/25 23:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	470	T J	ug/Kg	☼	16.95	N/A	06/05/25 08:38	06/06/25 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		22 - 120				06/05/25 08:38	06/06/25 23:37	1
p-Terphenyl-d14 (Surr)	86		28 - 124				06/05/25 08:38	06/06/25 23:37	1
Phenol-d5 (Surr)	85		23 - 120				06/05/25 08:38	06/06/25 23:37	1
2-Fluorophenol (Surr)	81		18 - 120				06/05/25 08:38	06/06/25 23:37	1
2,4,6-Tribromophenol (Surr)	86		10 - 140				06/05/25 08:38	06/06/25 23:37	1
2-Fluorobiphenyl (Surr)	88		29 - 120				06/05/25 08:38	06/06/25 23:37	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.2	0.82	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
4,4'-DDE	ND		4.2	0.89	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
4,4'-DDT	1.2	J	4.2	0.99	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
beta-BHC	ND		4.2	0.76	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
cis-Chlordane	ND		4.2	2.1	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
alpha-BHC	ND		4.2	0.76	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Aldrin	ND		4.2	1.0	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
delta-BHC	ND		4.2	0.79	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Dieldrin	ND		4.2	1.0	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endosulfan I	ND		4.2	0.81	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endosulfan II	ND		4.2	0.76	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endosulfan sulfate	ND		4.2	0.79	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endrin	ND		4.2	0.84	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endrin aldehyde	ND		4.2	1.1	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Endrin ketone	ND		4.2	1.0	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
gamma-BHC (Lindane)	ND		4.2	0.78	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
trans-Chlordane	ND		4.2	1.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Heptachlor	ND		4.2	0.92	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Heptachlor epoxide	ND		4.2	1.1	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Methoxychlor	ND		4.2	0.86	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Toxaphene	ND		42	25	ug/Kg	☼	06/06/25 06:35	06/09/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		45 - 120				06/06/25 06:35	06/09/25 12:31	1
DCB Decachlorobiphenyl	86		45 - 120				06/06/25 06:35	06/09/25 12:31	1
Tetrachloro-m-xylene	65		30 - 124				06/06/25 06:35	06/09/25 12:31	1
Tetrachloro-m-xylene	71		30 - 124				06/06/25 06:35	06/09/25 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.054	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1221	ND		0.28	0.054	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1232	ND		0.28	0.054	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1242	ND		0.28	0.054	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1248	ND		0.28	0.054	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	06/07/25 08:51	06/09/25 15:20	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	06/07/25 08:51	06/09/25 15:20	1
Tetrachloro-m-xylene	93		60 - 154	06/07/25 08:51	06/09/25 15:20	1
DCB Decachlorobiphenyl	94		65 - 174	06/07/25 08:51	06/09/25 15:20	1
DCB Decachlorobiphenyl	81		65 - 174	06/07/25 08:51	06/09/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	✱	06/06/25 10:04	06/09/25 22:04	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND	*-	0.19	0.086	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.19	0.077	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		0.19	0.048	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☼	06/06/25 10:04	06/09/25 22:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	83.7		8 - 130	06/06/25 10:04	06/09/25 22:04	1
13C5-PFPeA	75.5		35 - 130	06/06/25 10:04	06/09/25 22:04	1
13C5-PFHxA	79.4		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C4-PFHpA	72.5		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C8-PFOA	79.9		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C9-PFNA	72.4		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C6-PFDA	70.5		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C7-PFUnA	76.4		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C2-PFTeDA	56.3		20 - 130	06/06/25 10:04	06/09/25 22:04	1
13C3-PFBS	69.3		40 - 135	06/06/25 10:04	06/09/25 22:04	1
13C3-PFHxS	65.1		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C8-PFOS	59.9		40 - 130	06/06/25 10:04	06/09/25 22:04	1
13C8-PFOSA	68.5		40 - 130	06/06/25 10:04	06/09/25 22:04	1
d3-NMeFOSAA	77.7		40 - 135	06/06/25 10:04	06/09/25 22:04	1
d5-NEtFOSAA	65.1		40 - 150	06/06/25 10:04	06/09/25 22:04	1
13C2 4:2 FTS	79.6		40 - 165	06/06/25 10:04	06/09/25 22:04	1
13C2 6:2 FTS	91.7		40 - 215	06/06/25 10:04	06/09/25 22:04	1
13C2 8:2 FTS	71.3		40 - 275	06/06/25 10:04	06/09/25 22:04	1
13C3-HFPO-DA	70.5		40 - 130	06/06/25 10:04	06/09/25 22:04	1
D7-NMeFOSE	44.7		20 - 130	06/06/25 10:04	06/09/25 22:04	1
D9-NEtFOSE	32.7		15 - 130	06/06/25 10:04	06/09/25 22:04	1
d5-NEtPFOSA	43.5		10 - 130	06/06/25 10:04	06/09/25 22:04	1
d3-NMePFOSA	53.1		10 - 130	06/06/25 10:04	06/09/25 22:04	1
13C2 PFDoA	59.9		40 - 130	06/06/25 10:04	06/09/25 22:04	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20400		13.1	11.3	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Antimony	1.2	J	19.7	0.70	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Arsenic	6.9		2.6	1.2	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Barium	117	^5-	0.66	0.18	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Beryllium	1.0	^5-	0.26	0.053	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Cadmium	0.23	J	0.26	0.092	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1
Calcium	16700		65.7	35.5	mg/Kg	☼	06/04/25 16:37	06/06/25 19:38	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.5		0.66	0.47	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Cobalt	13.7		0.66	0.13	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Copper	25.0		1.3	0.75	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Iron	29800		13.1	11.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Lead	14.3		1.3	0.60	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Magnesium	8470	^5-	26.3	11.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Manganese	373		1.3	0.37	mg/Kg	✱	06/04/25 16:37	06/09/25 13:42	1
Nickel	37.9	^5-	6.6	0.33	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Potassium	4440		39.4	31.9	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Selenium	ND		5.3	1.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Silver	ND	^5-	0.79	0.26	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Sodium	166	J	184	80.6	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Thallium	ND		7.9	1.0	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Vanadium	33.9	^5-	0.66	0.17	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1
Zinc	68.5	^5-	2.6	1.3	mg/Kg	✱	06/04/25 16:37	06/06/25 19:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.027	0.0062	mg/Kg	✱	06/06/25 08:57	06/06/25 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.58	mg/Kg	✱	06/06/25 12:45	06/06/25 16:56	1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4	0.39	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4	0.88	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4	1.2	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,1,2-Trichloroethane	ND	vs	5.4	0.71	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,1-Dichloroethane	ND	vs	5.4	0.66	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,1-Dichloroethene	ND	vs	5.4	0.66	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,2,4-Trichlorobenzene	ND	vs	5.4	0.33	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,2-Dichlorobenzene	ND	vs	5.4	0.42	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,2-Dichloroethane	ND	vs	5.4	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,2-Dichloropropane	ND	vs	5.4	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,3-Dichlorobenzene	ND	vs	5.4	0.28	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
1,4-Dichlorobenzene	ND	vs	5.4	0.76	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
2-Butanone (MEK)	ND	vs	27	2.0	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
2-Hexanone	ND	vs	27	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27	1.8	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
Acetone	11	J vs	27	4.6	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
Benzene	ND	vs	5.4	0.27	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
Bromoform	ND	vs	5.4	2.7	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1
Bromomethane	ND	vs	5.4	0.49	ug/Kg	✱	06/04/25 18:51	06/05/25 03:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	vs	5.4	2.7	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Carbon tetrachloride	ND	vs	5.4	0.53	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Chlorobenzene	ND	vs	5.4	0.72	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Dibromochloromethane	ND	vs	5.4	0.69	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Chloroethane	ND	vs	5.4	1.2	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Chloroform	ND	vs	5.4	0.34	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Chloromethane	ND	vs	5.4	0.33	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
cis-1,2-Dichloroethene	ND	vs	5.4	0.69	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Cyclohexane	ND	*+ vs	5.4	0.76	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Bromodichloromethane	ND	vs	5.4	0.73	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Dichlorodifluoromethane	ND	vs	5.4	0.45	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Ethylbenzene	ND	vs	5.4	0.37	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
1,2-Dibromoethane	ND	vs	5.4	0.70	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Isopropylbenzene	ND	*+ vs	5.4	0.82	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Methyl acetate	ND	vs	27	3.3	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Methyl tert-butyl ether	ND	vs	5.4	0.53	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Methylcyclohexane	ND	vs	5.4	0.83	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Methylene Chloride	ND	vs	5.4	2.5	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Tetrachloroethene	ND	vs	5.4	0.73	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Toluene	ND	vs	5.4	0.41	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
trans-1,2-Dichloroethene	ND	vs	5.4	0.56	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
trans-1,3-Dichloropropene	ND	vs	5.4	2.4	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Trichloroethene	ND	vs	5.4	1.2	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Trichlorofluoromethane	ND	vs	5.4	0.51	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Vinyl chloride	ND	vs	5.4	0.66	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Xylenes, Total	ND	vs	11	0.91	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
cis-1,3-Dichloropropene	ND	vs	5.4	0.78	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1
Styrene	ND	vs	5.4	0.27	ug/Kg	☼	06/04/25 18:51	06/05/25 03:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1R-.alpha.-Pinene	41	T J N	ug/Kg	☼	9.09	7785-70-8	06/04/25 18:51	06/05/25 03:05	1
Unknown	11	T J	ug/Kg	☼	12.19	N/A	06/04/25 18:51	06/05/25 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	06/04/25 18:51	06/05/25 03:05	1
4-Bromofluorobenzene (Surr)	86		72 - 126	06/04/25 18:51	06/05/25 03:05	1
Toluene-d8 (Surr)	109		71 - 125	06/04/25 18:51	06/05/25 03:05	1
Dibromofluoromethane (Surr)	99		60 - 140	06/04/25 18:51	06/05/25 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1900	350	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
1,4-Dioxane	ND		1100	410	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4,5-Trichlorophenol	ND		1900	370	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4,6-Trichlorophenol	ND		1900	280	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4-Dichlorophenol	ND		1900	360	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4-Dimethylphenol	ND		1900	390	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4-Dinitrophenol	ND		18000	350	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
2,4-Dinitrotoluene	ND		1900	250	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1900	260	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Chloronaphthalene	ND		1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Chlorophenol	ND		1900	290	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Methylnaphthalene	530	J	1900	290	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Methylphenol	ND		1900	300	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Nitroaniline	ND		3600	310	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
2-Nitrophenol	ND		1900	210	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
3,3'-Dichlorobenzidine	ND		3600	540	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
3-Nitroaniline	ND		3600	260	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4,6-Dinitro-2-methylphenol	ND		3600	400	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Bromophenyl phenyl ether	ND		1900	310	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Chloro-3-methylphenol	ND		1900	380	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Chloroaniline	ND		1900	270	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Chlorophenyl phenyl ether	ND		1900	390	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Methylphenol	ND		3600	330	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Nitroaniline	ND		3600	270	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
4-Nitrophenol	ND		3600	500	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Acenaphthene	ND		1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Acenaphthylene	ND		1900	350	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Acetophenone	ND		1900	330	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Anthracene	390	J	1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Atrazine	ND		1900	620	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzaldehyde	ND		1900	1400	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzo[a]anthracene	750	J	1900	250	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzo[a]pyrene	ND		1900	310	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzo[b]fluoranthene	890	J	1900	250	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzo[g,h,i]perylene	590	J	1900	320	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Benzo[k]fluoranthene	650	J	1900	410	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Bis(2-chloroethoxy)methane	ND		1900	350	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Bis(2-chloroethyl)ether	ND		1900	350	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Bis(2-ethylhexyl) phthalate	ND		1900	400	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Butyl benzyl phthalate	ND		1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Caprolactam	ND		1900	430	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Carbazole	ND		1900	360	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Chrysene	600	J	1900	440	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Dibenz(a,h)anthracene	ND		1900	370	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Dibenzofuran	ND		1900	330	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Diethyl phthalate	ND		1900	330	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Dimethyl phthalate	ND		1900	360	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Di-n-butyl phthalate	ND		1900	410	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Di-n-octyl phthalate	ND		1900	350	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Fluoranthene	1500	J	1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Fluorene	ND		1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Hexachlorobenzene	ND		1900	360	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Hexachlorocyclopentadiene	ND		3600	810	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Hexachloroethane	ND		1900	340	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Indeno[1,2,3-cd]pyrene	540	J	1900	280	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10
Isophorone	ND		1900	380	ug/Kg	✱	06/05/25 08:38	06/07/25 00:02	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1900	310	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
Nitrobenzene	ND		1900	310	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
N-Nitrosodi-n-propylamine	ND		1900	410	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
N-Nitrosodiphenylamine	ND		1900	310	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
Pentachlorophenol	ND		3600	590	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
Phenanthrene	1400	J	1900	350	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
Phenol	ND		1900	340	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10
Pyrene	1500	J	1900	350	ug/Kg	☼	06/05/25 08:38	06/07/25 00:02	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8600	T J	ug/Kg	☼	3.47	N/A	06/05/25 08:38	06/07/25 00:02	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		22 - 120	06/05/25 08:38	06/07/25 00:02	10
p-Terphenyl-d14 (Surr)	80		28 - 124	06/05/25 08:38	06/07/25 00:02	10
Phenol-d5 (Surr)	72		23 - 120	06/05/25 08:38	06/07/25 00:02	10
2-Fluorophenol (Surr)	76		18 - 120	06/05/25 08:38	06/07/25 00:02	10
2,4,6-Tribromophenol (Surr)	85		10 - 140	06/05/25 08:38	06/07/25 00:02	10
2-Fluorobiphenyl (Surr)	80		29 - 120	06/05/25 08:38	06/07/25 00:02	10

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18	3.5	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
4,4'-DDE	ND		18	3.8	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
4,4'-DDT	7.1	J	18	4.2	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
beta-BHC	ND		18	3.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
cis-Chlordane	ND		18	9.0	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
alpha-BHC	ND		18	3.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Aldrin	ND		18	4.5	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
delta-BHC	ND		18	3.4	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Dieldrin	ND		18	4.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endosulfan I	ND		18	3.5	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endosulfan II	ND		18	3.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endosulfan sulfate	ND		18	3.4	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endrin	ND		18	3.6	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endrin aldehyde	ND		18	4.6	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Endrin ketone	ND		18	4.5	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
gamma-BHC (Lindane)	ND		18	3.3	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
trans-Chlordane	ND		18	5.8	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Heptachlor	ND		18	3.9	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Heptachlor epoxide	ND		18	4.7	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Methoxychlor	ND		18	3.7	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5
Toxaphene	ND		180	110	ug/Kg	☼	06/06/25 06:35	06/09/25 12:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		45 - 120	06/06/25 06:35	06/09/25 12:50	5
DCB Decachlorobiphenyl	115		45 - 120	06/06/25 06:35	06/09/25 12:50	5
Tetrachloro-m-xylene	78		30 - 124	06/06/25 06:35	06/09/25 12:50	5
Tetrachloro-m-xylene	94		30 - 124	06/06/25 06:35	06/09/25 12:50	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1221	ND		0.25	0.049	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1232	ND		0.25	0.049	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1242	ND		0.25	0.049	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1248	ND		0.25	0.049	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1254	ND		0.25	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1
PCB-1260	ND		0.25	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	06/07/25 08:51	06/09/25 15:39	1
Tetrachloro-m-xylene	100		60 - 154	06/07/25 08:51	06/09/25 15:39	1
DCB Decachlorobiphenyl	117		65 - 174	06/07/25 08:51	06/09/25 15:39	1
DCB Decachlorobiphenyl	98		65 - 174	06/07/25 08:51	06/09/25 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.099	0.099	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorooctanoic acid (PFOA)	0.22		0.20	0.060	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorooctanesulfonic acid (PFOS)	0.75		0.20	0.11	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.099	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	06/06/25 10:04	06/09/25 22:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.20	0.089	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.50	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.40	ng/g	☼	06/06/25 10:04	06/09/25 22:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	81.3		8 - 130	06/06/25 10:04	06/09/25 22:18	1
13C5-PFPeA	78.5		35 - 130	06/06/25 10:04	06/09/25 22:18	1
13C5-PFHxA	78.8		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C4-PFHpA	69.5		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C8-PFOA	83.0		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C9-PFNA	85.5		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C6-PFDA	84.5		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C7-PFUnA	84.1		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C2-PFTeDA	89.6		20 - 130	06/06/25 10:04	06/09/25 22:18	1
13C3-PFBS	82.4		40 - 135	06/06/25 10:04	06/09/25 22:18	1
13C3-PFHxS	87.5		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C8-PFOS	85.9		40 - 130	06/06/25 10:04	06/09/25 22:18	1
13C8-PFOSA	105		40 - 130	06/06/25 10:04	06/09/25 22:18	1
d3-NMeFOSAA	106		40 - 135	06/06/25 10:04	06/09/25 22:18	1
d5-NEtFOSAA	109		40 - 150	06/06/25 10:04	06/09/25 22:18	1
13C2 4:2 FTS	210	*5+	40 - 165	06/06/25 10:04	06/09/25 22:18	1
13C2 6:2 FTS	218	*5+	40 - 215	06/06/25 10:04	06/09/25 22:18	1
13C2 8:2 FTS	217		40 - 275	06/06/25 10:04	06/09/25 22:18	1
13C3-HFPO-DA	64.7		40 - 130	06/06/25 10:04	06/09/25 22:18	1
D7-NMeFOSE	73.3		20 - 130	06/06/25 10:04	06/09/25 22:18	1
D9-NEtFOSE	60.9		15 - 130	06/06/25 10:04	06/09/25 22:18	1
d5-NEtPFOSA	66.9		10 - 130	06/06/25 10:04	06/09/25 22:18	1
d3-NMePFOSA	73.9		10 - 130	06/06/25 10:04	06/09/25 22:18	1
13C2 PFDoA	89.9		40 - 130	06/06/25 10:04	06/09/25 22:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2670		10.5	9.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Antimony	2.3	J	15.8	0.56	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Arsenic	9.2		2.1	0.93	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Barium	45.5	^5-	0.53	0.15	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Beryllium	0.21	^5-	0.21	0.042	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Cadmium	0.37		0.21	0.074	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Calcium	3080		52.6	28.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Chromium	16.2		0.53	0.38	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Cobalt	6.0		0.53	0.11	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Copper	265		1.1	0.60	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Iron	53400		10.5	8.9	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Lead	58.9		1.1	0.48	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Magnesium	312	^5-	21.0	8.9	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Manganese	643		1.1	0.29	mg/Kg	✱	06/04/25 16:37	06/09/25 13:44	1
Nickel	15.5	^5-	5.3	0.26	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Potassium	337		31.5	25.5	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Selenium	ND		4.2	0.84	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Silver	ND	^5-	0.63	0.21	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Sodium	ND		147	64.4	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Thallium	ND		6.3	0.80	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Vanadium	22.5	^5-	0.53	0.14	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1
Zinc	71.2	^5-	2.1	1.1	mg/Kg	✱	06/04/25 16:37	06/06/25 19:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095		0.021	0.0049	mg/Kg	✱	06/06/25 08:57	06/06/25 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.58	J	1.1	0.53	mg/Kg	✱	06/06/25 12:45	06/06/25 16:56	1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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	0.44	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,1,1,2,2-Tetrachloroethane	ND	vs	6.1	0.98	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,1,2-Trichloroethane	ND	vs	6.1	0.79	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,1-Dichloroethane	ND	vs	6.1	0.74	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,1-Dichloroethene	ND	vs	6.1	0.74	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,2,4-Trichlorobenzene	ND	vs	6.1	0.37	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.0	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,2-Dichlorobenzene	ND	vs	6.1	0.47	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,2-Dichloroethane	ND	vs	6.1	0.30	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,2-Dichloropropane	ND	vs	6.1	3.0	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,3-Dichlorobenzene	ND	vs	6.1	0.31	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1
1,4-Dichlorobenzene	ND	vs	6.1	0.85	ug/Kg	✱	06/04/25 18:51	06/05/25 03:29	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	4.5	J vs	30	2.2	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
2-Hexanone	ND	vs	30	3.0	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
4-Methyl-2-pentanone (MIBK)	ND	vs	30	2.0	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Acetone	29	J vs	30	5.1	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Benzene	ND	vs	6.1	0.30	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Bromoform	ND	vs	6.1	3.0	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Carbon disulfide	ND	vs	6.1	3.0	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Chlorobenzene	ND	vs	6.1	0.80	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Dibromochloromethane	ND	vs	6.1	0.78	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Chloroform	ND	vs	6.1	0.37	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Chloromethane	ND	vs	6.1	0.37	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.78	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Cyclohexane	ND	*+ vs	6.1	0.85	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Bromodichloromethane	ND	vs	6.1	0.81	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Dichlorodifluoromethane	ND	vs	6.1	0.50	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
1,2-Dibromoethane	ND	vs	6.1	0.78	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Isopropylbenzene	ND	*+ vs	6.1	0.91	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Methyl acetate	ND	vs	30	3.7	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Methylcyclohexane	ND	vs	6.1	0.92	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Methylene Chloride	ND	vs	6.1	2.8	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Tetrachloroethene	ND	vs	6.1	0.81	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Toluene	ND	vs	6.1	0.46	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
trans-1,2-Dichloroethene	ND	vs	6.1	0.63	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Trichlorofluoromethane	ND	vs	6.1	0.57	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Vinyl chloride	ND	vs	6.1	0.74	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.87	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1
Styrene	ND	vs	6.1	0.30	ug/Kg	☼	06/04/25 18:51	06/05/25 03:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	06/04/25 18:51	06/05/25 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	06/04/25 18:51	06/05/25 03:29	1
4-Bromofluorobenzene (Surr)	93		72 - 126	06/04/25 18:51	06/05/25 03:29	1
Toluene-d8 (Surr)	97		71 - 125	06/04/25 18:51	06/05/25 03:29	1
Dibromofluoromethane (Surr)	99		60 - 140	06/04/25 18:51	06/05/25 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	39	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
1,4-Dioxane	ND		120	45	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,4,6-Trichlorophenol	ND		210	31	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,4-Dichlorophenol	ND		210	40	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,4-Dimethylphenol	ND		210	43	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,4-Dinitrophenol	ND		2000	39	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,4-Dinitrotoluene	ND		210	28	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2,6-Dinitrotoluene	ND		210	29	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Chloronaphthalene	ND		210	38	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Chlorophenol	ND		210	32	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Methylnaphthalene	130	J	210	32	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Methylphenol	ND		210	33	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Nitroaniline	ND		400	35	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
2-Nitrophenol	ND		210	23	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
3,3'-Dichlorobenzidine	ND		400	60	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
3-Nitroaniline	ND		400	29	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4,6-Dinitro-2-methylphenol	ND		400	45	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Bromophenyl phenyl ether	ND		210	35	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Chloro-3-methylphenol	ND		210	42	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Chloroaniline	ND		210	29	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Chlorophenyl phenyl ether	ND		210	43	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Methylphenol	ND		400	37	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Nitroaniline	ND		400	30	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
4-Nitrophenol	ND		400	56	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Acenaphthene	ND		210	38	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Acenaphthylene	ND		210	39	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Acetophenone	ND		210	36	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Anthracene	67	J	210	38	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Atrazine	ND		210	69	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzaldehyde	ND		210	160	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzo[a]anthracene	190	J	210	28	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzo[a]pyrene	180	J	210	35	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzo[b]fluoranthene	220		210	28	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzo[g,h,i]perylene	130	J	210	36	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Benzo[k]fluoranthene	83	J	210	46	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Bis(2-chloroethoxy)methane	ND		210	39	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Bis(2-ethylhexyl) phthalate	ND		210	45	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Butyl benzyl phthalate	ND		210	38	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Caprolactam	ND		210	47	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Carbazole	ND		210	40	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Chrysene	250		210	49	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Dibenz(a,h)anthracene	45	J	210	41	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Dibenzofuran	47	J	210	36	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Diethyl phthalate	ND		210	37	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Dimethyl phthalate	ND		210	40	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Di-n-butyl phthalate	ND		210	46	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Di-n-octyl phthalate	ND		210	39	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Fluoranthene	360		210	37	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1
Fluorene	ND		210	38	ug/Kg	☆	06/05/25 08:38	06/07/25 00:26	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		210	40	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Hexachlorocyclopentadiene	ND		400	90	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Hexachloroethane	ND		210	37	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Indeno[1,2,3-cd]pyrene	93	J	210	31	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Isophorone	ND		210	42	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Naphthalene	90	J	210	34	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Nitrobenzene	ND		210	34	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
N-Nitrosodi-n-propylamine	ND		210	46	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
N-Nitrosodiphenylamine	ND		210	34	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Pentachlorophenol	ND		400	65	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Phenanthrene	330		210	38	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Phenol	ND		210	37	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1
Pyrene	320		210	39	ug/Kg	☼	06/05/25 08:38	06/07/25 00:26	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3300	T J	ug/Kg	☼	3.46	N/A	06/05/25 08:38	06/07/25 00:26	1
Dodecane	450	T J N	ug/Kg	☼	7.28	112-40-3	06/05/25 08:38	06/07/25 00:26	1
Tridecane	620	T J N	ug/Kg	☼	8.00	629-50-5	06/05/25 08:38	06/07/25 00:26	1
Tetradecane	630	T J N	ug/Kg	☼	8.67	629-59-4	06/05/25 08:38	06/07/25 00:26	1
Hexadecane	520	T J N	ug/Kg	☼	9.04	544-76-3	06/05/25 08:38	06/07/25 00:26	1
Dotriacontane	480	T J N	ug/Kg	☼	9.86	544-85-4	06/05/25 08:38	06/07/25 00:26	1
Unknown	510	T J	ug/Kg	☼	10.11	N/A	06/05/25 08:38	06/07/25 00:26	1
Pentadecane	1100	T J N	ug/Kg	☼	10.38	629-62-9	06/05/25 08:38	06/07/25 00:26	1
n-Hexadecanoic acid	840	T J N	ug/Kg	☼	11.48	57-10-3	06/05/25 08:38	06/07/25 00:26	1
Heneicosane	440	T J N	ug/Kg	☼	11.99	629-94-7	06/05/25 08:38	06/07/25 00:26	1
Nonadecane, 1-chloro-	910	T J N	ug/Kg	☼	13.19	62016-76-6	06/05/25 08:38	06/07/25 00:26	1
1-Octadecanethiol	1500	T J N	ug/Kg	☼	13.72	2885-00-9	06/05/25 08:38	06/07/25 00:26	1
Unknown	440	T J	ug/Kg	☼	13.97	N/A	06/05/25 08:38	06/07/25 00:26	1
Oxirane, heptadecyl-	1000	T J N	ug/Kg	☼	14.07	67860-04-2	06/05/25 08:38	06/07/25 00:26	1
Cyclooctacosane	3000	T J N	ug/Kg	☼	14.23	297-24-5	06/05/25 08:38	06/07/25 00:26	1
Octadecanal	1200	T J N	ug/Kg	☼	14.59	638-66-4	06/05/25 08:38	06/07/25 00:26	1
Triacontane	540	T J N	ug/Kg	☼	14.73	638-68-6	06/05/25 08:38	06/07/25 00:26	1
Unknown	430	T J	ug/Kg	☼	14.77	N/A	06/05/25 08:38	06/07/25 00:26	1
1,30-Triacontanediol	720	T J N	ug/Kg	☼	15.18	36645-68-8	06/05/25 08:38	06/07/25 00:26	1
Unknown	490	T J	ug/Kg	☼	15.54	N/A	06/05/25 08:38	06/07/25 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		22 - 120	06/05/25 08:38	06/07/25 00:26	1
p-Terphenyl-d14 (Surr)	101		28 - 124	06/05/25 08:38	06/07/25 00:26	1
Phenol-d5 (Surr)	88		23 - 120	06/05/25 08:38	06/07/25 00:26	1
2-Fluorophenol (Surr)	83		18 - 120	06/05/25 08:38	06/07/25 00:26	1
2,4,6-Tribromophenol (Surr)	91		10 - 140	06/05/25 08:38	06/07/25 00:26	1
2-Fluorobiphenyl (Surr)	90		29 - 120	06/05/25 08:38	06/07/25 00:26	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.76	ug/Kg	☼	06/06/25 06:35	06/09/25 13:10	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☼	06/06/25 06:35	06/09/25 13:10	1
4,4'-DDT	2.0	J	3.9	0.91	ug/Kg	☼	06/06/25 06:35	06/09/25 13:10	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		3.9	0.70	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
cis-Chlordane	ND		3.9	1.9	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
alpha-BHC	ND		3.9	0.70	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Aldrin	ND		3.9	0.96	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
delta-BHC	ND		3.9	0.73	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Dieldrin	ND		3.9	0.94	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endosulfan I	ND		3.9	0.75	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endosulfan II	ND		3.9	0.70	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endosulfan sulfate	ND		3.9	0.73	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endrin	1.3	J	3.9	0.77	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endrin aldehyde	ND		3.9	1.0	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Endrin ketone	ND		3.9	0.96	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
gamma-BHC (Lindane)	ND		3.9	0.72	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Heptachlor	ND		3.9	0.85	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Methoxychlor	1.1	J	3.9	0.80	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1
Toxaphene	ND		39	23	ug/Kg	✱	06/06/25 06:35	06/09/25 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		45 - 120	06/06/25 06:35	06/09/25 13:10	1
DCB Decachlorobiphenyl	117		45 - 120	06/06/25 06:35	06/09/25 13:10	1
Tetrachloro-m-xylene	76		30 - 124	06/06/25 06:35	06/09/25 13:10	1
Tetrachloro-m-xylene	77		30 - 124	06/06/25 06:35	06/09/25 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1221	ND		0.26	0.051	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1232	ND		0.26	0.051	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1242	ND		0.26	0.051	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1248	ND		0.26	0.051	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1254	ND		0.26	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	06/07/25 08:51	06/09/25 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	06/07/25 08:51	06/09/25 15:57	1
Tetrachloro-m-xylene	95		60 - 154	06/07/25 08:51	06/09/25 15:57	1
DCB Decachlorobiphenyl	96		65 - 174	06/07/25 08:51	06/09/25 15:57	1
DCB Decachlorobiphenyl	82		65 - 174	06/07/25 08:51	06/09/25 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.097	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.087	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.087	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.097	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.97	0.29	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.97	0.29	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.068	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	0.19	0.087	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.19	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.97	0.48	ng/g	✱	06/06/25 10:06	06/09/25 22:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.97	0.39	ng/g	☼	06/06/25 10:06	06/09/25 22:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	93.6		8 - 130				06/06/25 10:06	06/09/25 22:32	1
13C5-PFPeA	91.8		35 - 130				06/06/25 10:06	06/09/25 22:32	1
13C5-PFHxA	89.1		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C4-PFHpA	83.5		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C8-PFOA	90.6		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C9-PFNA	87.9		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C6-PFDA	76.8		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C7-PFUnA	70.6		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C2-PFTeDA	55.1		20 - 130				06/06/25 10:06	06/09/25 22:32	1
13C3-PFBS	84.8		40 - 135				06/06/25 10:06	06/09/25 22:32	1
13C3-PFHxS	82.5		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C8-PFOS	68.6		40 - 130				06/06/25 10:06	06/09/25 22:32	1
13C8-PFOSA	76.0		40 - 130				06/06/25 10:06	06/09/25 22:32	1
d3-NMeFOSAA	79.8		40 - 135				06/06/25 10:06	06/09/25 22:32	1
d5-NEtFOSAA	74.0		40 - 150				06/06/25 10:06	06/09/25 22:32	1
13C2 4:2 FTS	173	*5+	40 - 165				06/06/25 10:06	06/09/25 22:32	1
13C2 6:2 FTS	133		40 - 215				06/06/25 10:06	06/09/25 22:32	1
13C2 8:2 FTS	112		40 - 275				06/06/25 10:06	06/09/25 22:32	1
13C3-HFPO-DA	79.7		40 - 130				06/06/25 10:06	06/09/25 22:32	1
D7-NMeFOSE	53.1		20 - 130				06/06/25 10:06	06/09/25 22:32	1
D9-NEtFOSE	36.2		15 - 130				06/06/25 10:06	06/09/25 22:32	1
d5-NEtPFOSA	46.7		10 - 130				06/06/25 10:06	06/09/25 22:32	1
d3-NMePFOSA	56.3		10 - 130				06/06/25 10:06	06/09/25 22:32	1
13C2 PFDoA	62.7		40 - 130				06/06/25 10:06	06/09/25 22:32	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11900		12.2	10.5	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Antimony	0.78	J	18.4	0.65	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Arsenic	6.0		2.4	1.1	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Barium	105	*5-	0.61	0.17	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Beryllium	0.59	*5-	0.24	0.049	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Cadmium	0.27		0.24	0.086	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Calcium	11800		61.2	33.0	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Chromium	15.6		0.61	0.44	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Cobalt	8.7		0.61	0.12	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Copper	25.2		1.2	0.70	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Iron	20300		12.2	10.4	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Lead	60.3		1.2	0.56	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Magnesium	3120	*5-	24.5	10.4	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Manganese	244	*5-	1.2	0.34	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Nickel	20.5	*5-	6.1	0.31	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Potassium	2360		36.7	29.7	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Selenium	ND		4.9	0.98	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Silver	ND	*5-	0.73	0.24	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Sodium	86.1	J	171	75.0	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Thallium	ND		7.3	0.93	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	23.1	^5-	0.61	0.16	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1
Zinc	71.3	^5-	2.4	1.2	mg/Kg	☼	06/04/25 16:37	06/06/25 19:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.025	0.0057	mg/Kg	☼	06/06/25 08:57	06/06/25 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.53	mg/Kg	☼	06/06/25 12:45	06/06/25 16:58	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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)
480-229901-1	RI-BH-1 Fill	103	92	99	98
480-229901-3	RI-BH-2 Fill	105	93	99	99
480-229901-4	RI-BH-2 Native	105	97	99	99
480-229901-5	RI-BH-8 Fill	103	86	109	99
480-229901-6	RI-BH-8 Native	104	93	97	99
LCS 480-747939/1-A	Lab Control Sample	104	94	100	101
MB 480-747939/2-A	Method Blank	102	98	99	98

Surrogate Legend

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

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 (53-146)	BFB (49-148)	TOL (50-149)	DBFM (60-140)
480-229901-2	RI-BH-1 Native	98	97	101	93
LCS 480-747999/2-A	Lab Control Sample	98	98	104	97
MB 480-747999/1-A	Method Blank	99	96	99	95

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)					
		NBZ (22-120)	TPHd14 (28-124)	PHL (23-120)	2FP (18-120)	TBP (10-140)	FBP (29-120)
480-229901-1	RI-BH-1 Fill	88	95	83	78	86	90
480-229901-2	RI-BH-1 Native	89	90	85	79	82	85
480-229901-3	RI-BH-2 Fill	85	102	95	95	94	96
480-229901-4	RI-BH-2 Native	85	86	85	81	86	88
480-229901-5	RI-BH-8 Fill	69	80	72	76	85	80
480-229901-6	RI-BH-8 Native	85	101	88	83	91	90
LCS 480-747967/2-A	Lab Control Sample	92	103	96	85	98	95
MB 480-747967/1-A	Method Blank	82	95	85	81	78	84

Surrogate Legend

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

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Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-229901-1	RI-BH-1 Fill	69	73	54	59
480-229901-2	RI-BH-1 Native	105	196 S1+	86	85
480-229901-3	RI-BH-2 Fill	91	299 S1+	85	107
480-229901-4	RI-BH-2 Native	75	86	65	71
480-229901-5	RI-BH-8 Fill	100	115	78	94
480-229901-6	RI-BH-8 Native	87	117	76	77
LCS 480-748064/2-A	Lab Control Sample	95	103	76	86
MB 480-748064/1-A	Method Blank	100	103	77	82
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-229901-1	RI-BH-1 Fill	105	101	124	106
480-229901-2	RI-BH-1 Native	103	98	112	98
480-229901-3	RI-BH-2 Fill	80	76	92	83
480-229901-4	RI-BH-2 Native	96	93	94	81
480-229901-5	RI-BH-8 Fill	102	100	117	98
480-229901-6	RI-BH-8 Native	99	95	96	82
LCS 480-748199/2-A	Lab Control Sample	113	107	137	115
MB 480-748199/1-A	Method Blank	115	112	138	122
Surrogate Legend					
TCX = Tetrachloro-m-xylene					
DCBP = DCB Decachlorobiphenyl					

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-229901-1	RI-BH-1 Fill	92.4	88.5	88.6	83.3	87.7	91.9	93.6	100
480-229901-1 MS	RI-BH-1 Fill	87.4	83.6	85.3	83.3	85.9	86.4	79.5	79.0
480-229901-1 MSD	RI-BH-1 Fill	90.4	84.7	84.8	78.3	87.0	88.4	80.6	84.7
480-229901-2	RI-BH-1 Native	95.6	93.9	91.2	84.5	92.7	87.1	81.4	78.2
480-229901-3	RI-BH-2 Fill	102	95.3	97.2	94.7	99.7	102	94.6	98.7
480-229901-4	RI-BH-2 Native	83.7	75.5	79.4	72.5	79.9	72.4	70.5	76.4
480-229901-5	RI-BH-8 Fill	81.3	78.5	78.8	69.5	83.0	85.5	84.5	84.1
480-229901-6	RI-BH-8 Native	93.6	91.8	89.1	83.5	90.6	87.9	76.8	70.6
LCS 410-653983/2-A	Lab Control Sample	99.9	92.3	95.5	90.9	93.0	95.1	92.7	103
LLCS 410-653983/3-A	Lab Control Sample	100	95.3	88.5	86.3	84.9	83.3	84.1	81.8
MB 410-653983/1-A	Method Blank	91.4	89.3	86.5	86.5	85.1	89.4	85.9	94.2
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-229901-1	RI-BH-1 Fill	77.3	86.6	86.4	85.6	81.5	90.9	83.3	101
480-229901-1 MS	RI-BH-1 Fill	47.7	83.8	79.0	78.5	76.4	83.8	73.6	106
480-229901-1 MSD	RI-BH-1 Fill	43.6	83.8	85.9	84.1	78.7	74.2	63.9	102
480-229901-2	RI-BH-1 Native	57.4	88.7	81.5	66.3	77.7	87.2	80.2	100
480-229901-3	RI-BH-2 Fill	59.2	97.7	92.3	98.3	91.7	105	97.5	134
480-229901-4	RI-BH-2 Native	56.3	69.3	65.1	59.9	68.5	77.7	65.1	79.6
480-229901-5	RI-BH-8 Fill	89.6	82.4	87.5	85.9	105	106	109	210 *5+
480-229901-6	RI-BH-8 Native	55.1	84.8	82.5	68.6	76.0	79.8	74.0	173 *5+
LCS 410-653983/2-A	Lab Control Sample	72.4	97.8	94.0	96.4	82.9	102	86.3	102
LLCS 410-653983/3-A	Lab Control Sample	54.9	95.4	84.1	65.4	73.6	83.9	73.6	102
MB 410-653983/1-A	Method Blank	64.3	86.7	85.1	81.1	73.3	84.8	75.3	91.1
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
480-229901-1	RI-BH-1 Fill	124	97.8	78.5	63.2	52.6	52.1	60.8	90.4
480-229901-1 MS	RI-BH-1 Fill	115	98.3	76.4	49.4	37.4	44.4	57.5	65.9
480-229901-1 MSD	RI-BH-1 Fill	109	97.2	75.9	48.6	34.3	42.2	54.0	60.2
480-229901-2	RI-BH-1 Native	111	84.6	83.9	47.7	34.7	43.5	54.8	65.0
480-229901-3	RI-BH-2 Fill	131	110	87.0	46.0	29.1	49.6	60.4	84.2
480-229901-4	RI-BH-2 Native	91.7	71.3	70.5	44.7	32.7	43.5	53.1	59.9
480-229901-5	RI-BH-8 Fill	218 *5+	217	64.7	73.3	60.9	66.9	73.9	89.9
480-229901-6	RI-BH-8 Native	133	112	79.7	53.1	36.2	46.7	56.3	62.7
LCS 410-653983/2-A	Lab Control Sample	110	98.8	87.5	55.9	44.6	45.3	57.5	84.1
LLCS 410-653983/3-A	Lab Control Sample	115	88.0	83.7	41.4	34.0	40.2	47.9	59.8
MB 410-653983/1-A	Method Blank	111	87.6	77.8	47.7	33.9	43.1	51.5	77.5

Surrogate Legend

PFBA = 13C4-PFBA
PFPeA = 13C5-PFPeA
13C5PHA = 13C5-PFHxA
C4PFHA = 13C4-PFHpA
C8PFOA = 13C8-PFOA
C9PFNA = 13C9-PFNA
C6PFDA = 13C6-PFDA
13C7PUA = 13C7-PFUnA

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Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-229901-1

Project/Site: 2nd & Washington Street

PFTDA = 13C2-PFTeDA
C3PFBS = 13C3-PFBS
C3PFHS = 13C3-PFHxS
C8PFOS = 13C8-PFOS
PFOSA = 13C8-PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3-HFPO-DA
NMFm = D7-NMeFOSE
NEFM = D9-NEtFOSE
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFD_oA = 13C2 PFD_oA

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 480-747939/2-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
2-Hexanone	ND		25	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Acetone	ND		25	4.2	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Benzene	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromoform	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloroform	ND		5.0	0.31	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methyl acetate	ND		25	3.0	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Toluene	ND		5.0	0.38	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Xylenes, Total	ND		10	0.84	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/04/25 18:51	06/04/25 21:52	1
Styrene	ND		5.0	0.25	ug/Kg		06/04/25 18:51	06/04/25 21:52	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 480-747939/2-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747939

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	06/04/25 18:51	06/04/25 21:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126				06/04/25 18:51	06/04/25 21:52	1
4-Bromofluorobenzene (Surr)	98		72 - 126				06/04/25 18:51	06/04/25 21:52	1
Toluene-d8 (Surr)	99		71 - 125				06/04/25 18:51	06/04/25 21:52	1
Dibromofluoromethane (Surr)	98		60 - 140				06/04/25 18:51	06/04/25 21:52	1

Lab Sample ID: LCS 480-747939/1-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	60.3		ug/Kg		121	77 - 121
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	66.6		ug/Kg		133	60 - 140
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	57.3		ug/Kg		115	73 - 126
1,1-Dichloroethene	50.0	61.0		ug/Kg		122	59 - 125
1,2,4-Trichlorobenzene	50.0	54.1		ug/Kg		108	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	58.1		ug/Kg		116	63 - 124
1,2-Dichlorobenzene	50.0	53.0		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	77 - 122
1,2-Dichloropropane	50.0	54.0		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	52.7		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	52.2		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	280		ug/Kg		112	70 - 134
2-Hexanone	250	277		ug/Kg		111	59 - 130
4-Methyl-2-pentanone (MIBK)	250	282		ug/Kg		113	65 - 133
Acetone	250	287		ug/Kg		115	61 - 137
Benzene	50.0	55.2		ug/Kg		110	79 - 127
Bromoform	50.0	51.1		ug/Kg		102	68 - 126
Bromomethane	50.0	55.1		ug/Kg		110	37 - 149
Carbon disulfide	50.0	59.6		ug/Kg		119	64 - 131
Carbon tetrachloride	50.0	60.7		ug/Kg		121	75 - 135
Chlorobenzene	50.0	52.0		ug/Kg		104	76 - 124
Dibromochloromethane	50.0	51.5		ug/Kg		103	76 - 125
Chloroethane	50.0	59.4		ug/Kg		119	69 - 135
Chloroform	50.0	53.8		ug/Kg		108	80 - 120
Chloromethane	50.0	60.3		ug/Kg		121	63 - 127
cis-1,2-Dichloroethene	50.0	54.8		ug/Kg		110	81 - 120
Cyclohexane	50.0	65.1	*+	ug/Kg		130	65 - 120
Bromodichloromethane	50.0	53.6		ug/Kg		107	80 - 122
Dichlorodifluoromethane	50.0	66.9		ug/Kg		134	57 - 142
Ethylbenzene	50.0	55.4		ug/Kg		111	80 - 120
1,2-Dibromoethane	50.0	50.1		ug/Kg		100	78 - 120
Isopropylbenzene	50.0	61.5	*+	ug/Kg		123	72 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-747939/1-A

Matrix: Solid

Analysis Batch: 747942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl acetate	100	115		ug/Kg		115	55 - 136
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	64.5		ug/Kg		129	60 - 140
Methylene Chloride	50.0	55.9		ug/Kg		112	61 - 127
Tetrachloroethene	50.0	56.7		ug/Kg		113	74 - 122
Toluene	50.0	54.4		ug/Kg		109	74 - 128
trans-1,2-Dichloroethene	50.0	58.5		ug/Kg		117	78 - 126
trans-1,3-Dichloropropene	50.0	51.9		ug/Kg		104	73 - 123
Trichloroethene	50.0	57.3		ug/Kg		115	77 - 129
Trichlorofluoromethane	50.0	64.6		ug/Kg		129	65 - 146
Vinyl chloride	50.0	64.3		ug/Kg		129	61 - 133
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Styrene	50.0	51.8		ug/Kg		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	100		71 - 125
Dibromofluoromethane (Surr)	101		60 - 140

Lab Sample ID: MB 480-747999/1-A

Matrix: Solid

Analysis Batch: 747990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,1-Dichloroethane	ND		100	31	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,1-Dichloroethene	ND		100	35	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2-Dichloroethane	ND		100	41	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2-Dichloropropane	ND		100	16	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
2-Butanone (MEK)	ND		500	300	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
2-Hexanone	ND		500	210	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Acetone	ND		500	410	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Benzene	ND		100	19	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Bromoform	ND		100	50	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Bromomethane	ND		100	22	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Carbon disulfide	ND		100	46	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Carbon tetrachloride	ND		100	26	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Chlorobenzene	ND		100	13	ug/Kg		06/05/25 11:24	06/05/25 14:17	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 480-747999/1-A

Matrix: Solid

Analysis Batch: 747990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		100	48	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Chloroethane	ND		100	21	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Chloroform	ND		100	69	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Chloromethane	ND		100	24	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Cyclohexane	ND		100	22	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Bromodichloromethane	ND		100	20	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Ethylbenzene	ND		100	29	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
1,2-Dibromoethane	ND		100	18	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Isopropylbenzene	ND		100	15	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Methyl acetate	ND		500	48	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Methylcyclohexane	ND		100	47	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Methylene Chloride	267		100	20	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Tetrachloroethene	ND		100	13	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Toluene	ND		100	27	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Trichloroethene	ND		100	28	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Trichlorofluoromethane	ND		100	47	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Vinyl chloride	ND		100	34	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Xylenes, Total	ND		200	55	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		06/05/25 11:24	06/05/25 14:17	1
Styrene	ND		100	24	ug/Kg		06/05/25 11:24	06/05/25 14:17	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	06/05/25 11:24	06/05/25 14:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/05/25 11:24	06/05/25 14:17	1
4-Bromofluorobenzene (Surr)	96		49 - 148	06/05/25 11:24	06/05/25 14:17	1
Toluene-d8 (Surr)	99		50 - 149	06/05/25 11:24	06/05/25 14:17	1
Dibromofluoromethane (Surr)	95		60 - 140	06/05/25 11:24	06/05/25 14:17	1

Lab Sample ID: LCS 480-747999/2-A

Matrix: Solid

Analysis Batch: 747990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2500	2720		ug/Kg		109	68 - 130
1,1,2,2-Tetrachloroethane	2500	2530		ug/Kg		101	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3030		ug/Kg		121	10 - 179
1,1,2-Trichloroethane	2500	2600		ug/Kg		104	80 - 120
1,1-Dichloroethane	2500	2800		ug/Kg		112	78 - 121
1,1-Dichloroethene	2500	2680		ug/Kg		107	48 - 133
1,2,4-Trichlorobenzene	2500	2630		ug/Kg		105	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-747999/2-A

Matrix: Solid

Analysis Batch: 747990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	2500	2210		ug/Kg		88	56 - 122
1,2-Dichlorobenzene	2500	2760		ug/Kg		111	78 - 125
1,2-Dichloroethane	2500	2630		ug/Kg		105	74 - 127
1,2-Dichloropropane	2500	2670		ug/Kg		107	80 - 120
1,3-Dichlorobenzene	2500	2790		ug/Kg		112	80 - 120
1,4-Dichlorobenzene	2500	2750		ug/Kg		110	80 - 120
2-Butanone (MEK)	12500	11700		ug/Kg		93	54 - 149
2-Hexanone	12500	13100		ug/Kg		105	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12500		ug/Kg		100	74 - 120
Acetone	12500	13500		ug/Kg		108	47 - 141
Benzene	2500	2810		ug/Kg		112	77 - 125
Bromoform	2500	2360		ug/Kg		94	48 - 125
Bromomethane	2500	2270		ug/Kg		91	39 - 149
Carbon disulfide	2500	2670		ug/Kg		107	40 - 136
Carbon tetrachloride	2500	2830		ug/Kg		113	54 - 135
Chlorobenzene	2500	2760		ug/Kg		110	76 - 126
Dibromochloromethane	2500	2500		ug/Kg		100	64 - 120
Chloroethane	2500	2680		ug/Kg		107	23 - 150
Chloroform	2500	2670		ug/Kg		107	78 - 120
Chloromethane	2500	2320		ug/Kg		93	61 - 124
cis-1,2-Dichloroethene	2500	2790		ug/Kg		112	79 - 124
Cyclohexane	2500	2730		ug/Kg		109	49 - 129
Bromodichloromethane	2500	2470		ug/Kg		99	71 - 121
Dichlorodifluoromethane	2500	2090		ug/Kg		84	10 - 150
Ethylbenzene	2500	2920		ug/Kg		117	78 - 124
1,2-Dibromoethane	2500	2720		ug/Kg		109	80 - 120
Isopropylbenzene	2500	2780		ug/Kg		111	76 - 120
Methyl acetate	5000	4740		ug/Kg		95	71 - 123
Methyl tert-butyl ether	2500	2620		ug/Kg		105	67 - 137
Methylcyclohexane	2500	2770		ug/Kg		111	50 - 130
Methylene Chloride	2500	2720	B	ug/Kg		109	75 - 118
Tetrachloroethene	2500	2930		ug/Kg		117	73 - 133
Toluene	2500	2840		ug/Kg		113	75 - 124
trans-1,2-Dichloroethene	2500	2740		ug/Kg		110	74 - 129
trans-1,3-Dichloropropene	2500	2610		ug/Kg		104	73 - 120
Trichloroethene	2500	2660		ug/Kg		106	75 - 131
Trichlorofluoromethane	2500	2840		ug/Kg		113	29 - 158
Vinyl chloride	2500	2600		ug/Kg		104	59 - 124
cis-1,3-Dichloropropene	2500	2570		ug/Kg		103	75 - 121
Styrene	2500	2770		ug/Kg		111	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 146
4-Bromofluorobenzene (Surr)	98		49 - 148
Toluene-d8 (Surr)	104		50 - 149
Dibromofluoromethane (Surr)	97		60 - 140

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 480-747967/1-A

Matrix: Solid

Analysis Batch: 748084

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
1,4-Dioxane	ND		100	37	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Chloronaphthalene	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Chlorophenol	ND		170	27	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Methylnaphthalene	ND		170	27	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Methylphenol	ND		170	27	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Nitroaniline	ND		330	29	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
2-Nitrophenol	ND		170	19	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
3-Nitroaniline	ND		330	24	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Chloroaniline	ND		170	24	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Methylphenol	ND		330	30	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Nitroaniline	ND		330	25	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
4-Nitrophenol	ND		330	46	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Acenaphthene	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Acenaphthylene	ND		170	33	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Acetophenone	ND		170	30	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Anthracene	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Atrazine	ND		170	57	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzaldehyde	ND		170	130	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzo[a]anthracene	ND		170	23	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzo[a]pyrene	ND		170	29	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Caprolactam	ND		170	39	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Carbazole	ND		170	33	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Chrysene	ND		170	41	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Dibenzofuran	ND		170	30	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Diethyl phthalate	ND		170	30	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Dimethyl phthalate	ND		170	33	ug/Kg		06/05/25 08:38	06/06/25 19:31	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 480-747967/1-A

Matrix: Solid

Analysis Batch: 748084

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		170	38	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Fluoranthene	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Fluorene	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Hexachlorobenzene	ND		170	33	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Hexachlorobutadiene	ND		170	25	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Hexachloroethane	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Isophorone	ND		170	35	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Naphthalene	ND		170	28	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Nitrobenzene	ND		170	28	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Pentachlorophenol	ND		330	54	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Phenanthrene	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Phenol	ND		170	31	ug/Kg		06/05/25 08:38	06/06/25 19:31	1
Pyrene	ND		170	32	ug/Kg		06/05/25 08:38	06/06/25 19:31	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	9850	T J	ug/Kg		2.00	N/A	06/05/25 08:38	06/06/25 19:31	1
Unknown	17300	T J	ug/Kg		3.49	N/A	06/05/25 08:38	06/06/25 19:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		22 - 120	06/05/25 08:38	06/06/25 19:31	1
p-Terphenyl-d14 (Surr)	95		28 - 124	06/05/25 08:38	06/06/25 19:31	1
Phenol-d5 (Surr)	85		23 - 120	06/05/25 08:38	06/06/25 19:31	1
2-Fluorophenol (Surr)	81		18 - 120	06/05/25 08:38	06/06/25 19:31	1
2,4,6-Tribromophenol (Surr)	78		10 - 140	06/05/25 08:38	06/06/25 19:31	1
2-Fluorobiphenyl (Surr)	84		29 - 120	06/05/25 08:38	06/06/25 19:31	1

Lab Sample ID: LCS 480-747967/2-A

Matrix: Solid

Analysis Batch: 748084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Biphenyl	2670	2620		ug/Kg		98	59 - 120
1,4-Dioxane	2670	1280		ug/Kg		48	13 - 120
bis (2-chloroisopropyl) ether	2670	2390		ug/Kg		90	34 - 120
2,4,5-Trichlorophenol	2670	2530		ug/Kg		95	58 - 120
2,4,6-Trichlorophenol	2670	2610		ug/Kg		98	60 - 120
2,4-Dichlorophenol	2670	2460		ug/Kg		92	53 - 120
2,4-Dimethylphenol	2670	2470		ug/Kg		93	55 - 120
2,4-Dinitrophenol	5330	4350		ug/Kg		81	15 - 120
2,4-Dinitrotoluene	2670	2790		ug/Kg		105	64 - 127
2,6-Dinitrotoluene	2670	2810		ug/Kg		106	65 - 123
2-Chloronaphthalene	2670	2570		ug/Kg		96	57 - 120
2-Chlorophenol	2670	2340		ug/Kg		88	46 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-747967/2-A

Matrix: Solid

Analysis Batch: 748084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	2670	2390		ug/Kg		90	55 - 120
2-Methylphenol	2670	2410		ug/Kg		91	51 - 120
2-Nitroaniline	2670	2770		ug/Kg		104	58 - 129
2-Nitrophenol	2670	2440		ug/Kg		91	46 - 120
3,3'-Dichlorobenzidine	2670	2150		ug/Kg		81	10 - 120
3-Nitroaniline	2670	2220		ug/Kg		83	51 - 120
4,6-Dinitro-2-methylphenol	5330	5400		ug/Kg		101	40 - 123
4-Bromophenyl phenyl ether	2670	2750		ug/Kg		103	69 - 126
4-Chloro-3-methylphenol	2670	2440		ug/Kg		92	55 - 120
4-Chloroaniline	2670	2010		ug/Kg		76	48 - 120
4-Chlorophenyl phenyl ether	2670	2550		ug/Kg		96	66 - 120
4-Methylphenol	2670	2490		ug/Kg		94	51 - 120
4-Nitroaniline	2670	2550		ug/Kg		95	54 - 126
4-Nitrophenol	5330	4620		ug/Kg		87	41 - 145
Acenaphthene	2670	2700		ug/Kg		101	63 - 120
Acenaphthylene	2670	2560		ug/Kg		96	59 - 123
Acetophenone	2670	2300		ug/Kg		86	49 - 120
Anthracene	2670	2720		ug/Kg		102	70 - 125
Atrazine	2670	2010		ug/Kg		75	48 - 136
Benzaldehyde	2670	1770		ug/Kg		66	10 - 131
Benzo[a]anthracene	2670	2630		ug/Kg		99	73 - 128
Benzo[a]pyrene	2670	2700		ug/Kg		101	63 - 129
Benzo[b]fluoranthene	2670	2560		ug/Kg		96	68 - 133
Benzo[g,h,i]perylene	2670	2960		ug/Kg		111	66 - 135
Benzo[k]fluoranthene	2670	2750		ug/Kg		103	70 - 133
Bis(2-chloroethoxy)methane	2670	2480		ug/Kg		93	49 - 120
Bis(2-chloroethyl)ether	2670	2350		ug/Kg		88	40 - 120
Bis(2-ethylhexyl) phthalate	2670	2770		ug/Kg		104	65 - 140
Butyl benzyl phthalate	2670	2580		ug/Kg		97	66 - 140
Caprolactam	2670	1740		ug/Kg		65	47 - 120
Carbazole	2670	2820		ug/Kg		106	67 - 127
Chrysene	2670	2630		ug/Kg		99	73 - 127
Dibenz(a,h)anthracene	2670	2800		ug/Kg		105	68 - 133
Dibenzofuran	2670	2520		ug/Kg		95	64 - 120
Diethyl phthalate	2670	2630		ug/Kg		99	62 - 133
Dimethyl phthalate	2670	2720		ug/Kg		102	66 - 125
Di-n-butyl phthalate	2670	2680		ug/Kg		100	65 - 138
Di-n-octyl phthalate	2670	2660		ug/Kg		100	65 - 140
Fluoranthene	2670	2740		ug/Kg		103	66 - 129
Fluorene	2670	2730		ug/Kg		102	66 - 120
Hexachlorobenzene	2670	2610		ug/Kg		98	68 - 129
Hexachlorobutadiene	2670	2350		ug/Kg		88	43 - 122
Hexachlorocyclopentadiene	2670	2200		ug/Kg		83	30 - 125
Hexachloroethane	2670	2120		ug/Kg		79	36 - 120
Indeno[1,2,3-cd]pyrene	2670	2810		ug/Kg		105	68 - 133
Isophorone	2670	2400		ug/Kg		90	54 - 120
Naphthalene	2670	2390		ug/Kg		90	49 - 120
Nitrobenzene	2670	2410		ug/Kg		90	46 - 120
N-Nitrosodi-n-propylamine	2670	2400		ug/Kg		90	48 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-747967/2-A

Matrix: Solid

Analysis Batch: 748084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodiphenylamine	2670	2750		ug/Kg		103	69 - 126
Pentachlorophenol	5330	4660		ug/Kg		87	10 - 124
Phenanthrene	2670	2690		ug/Kg		101	69 - 124
Phenol	2670	2380		ug/Kg		89	46 - 120
Pyrene	2670	2690		ug/Kg		101	70 - 141

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	92		22 - 120
p-Terphenyl-d14 (Surr)	103		28 - 124
Phenol-d5 (Surr)	96		23 - 120
2-Fluorophenol (Surr)	85		18 - 120
2,4,6-Tribromophenol (Surr)	98		10 - 140
2-Fluorobiphenyl (Surr)	95		29 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-748064/1-A

Matrix: Solid

Analysis Batch: 748245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
beta-BHC	ND		3.3	0.60	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
alpha-BHC	ND		3.3	0.60	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Aldrin	ND		3.3	0.82	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
delta-BHC	ND		3.3	0.62	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Dieldrin	ND		3.3	0.80	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endosulfan I	ND		3.3	0.64	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endosulfan II	ND		3.3	0.60	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endrin	ND		3.3	0.66	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Endrin ketone	ND		3.3	0.82	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Heptachlor	ND		3.3	0.72	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Methoxychlor	ND		3.3	0.68	ug/Kg		06/06/25 06:35	06/09/25 09:53	1
Toxaphene	ND		33	19	ug/Kg		06/06/25 06:35	06/09/25 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		45 - 120	06/06/25 06:35	06/09/25 09:53	1
DCB Decachlorobiphenyl	103		45 - 120	06/06/25 06:35	06/09/25 09:53	1
Tetrachloro-m-xylene	77		30 - 124	06/06/25 06:35	06/09/25 09:53	1
Tetrachloro-m-xylene	82		30 - 124	06/06/25 06:35	06/09/25 09:53	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-748064/2-A

Matrix: Solid

Analysis Batch: 748245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	30.1		ug/Kg		90	56 - 120
4,4'-DDE	33.3	27.5		ug/Kg		82	44 - 120
4,4'-DDT	33.3	27.1		ug/Kg		81	38 - 120
beta-BHC	33.3	27.3		ug/Kg		82	40 - 120
cis-Chlordane	33.3	24.7		ug/Kg		74	47 - 120
alpha-BHC	33.3	24.6		ug/Kg		74	39 - 120
Aldrin	33.3	27.1		ug/Kg		81	38 - 120
delta-BHC	33.3	27.0		ug/Kg		81	45 - 120
Dieldrin	33.3	28.6		ug/Kg		86	58 - 120
Endosulfan I	33.3	27.5		ug/Kg		82	49 - 120
Endosulfan II	33.3	30.2		ug/Kg		91	55 - 120
Endosulfan sulfate	33.3	26.1		ug/Kg		78	49 - 124
Endrin	33.3	29.6		ug/Kg		89	58 - 120
Endrin aldehyde	33.3	18.2		ug/Kg		55	37 - 121
Endrin ketone	33.3	27.3		ug/Kg		82	46 - 123
gamma-BHC (Lindane)	33.3	25.8		ug/Kg		77	50 - 120
trans-Chlordane	33.3	26.9		ug/Kg		81	48 - 120
Heptachlor	33.3	27.1		ug/Kg		81	50 - 120
Heptachlor epoxide	33.3	28.0		ug/Kg		84	50 - 120
Methoxychlor	33.3	28.2		ug/Kg		85	58 - 133

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	95		45 - 120
DCB Decachlorobiphenyl	103		45 - 120
Tetrachloro-m-xylene	76		30 - 124
Tetrachloro-m-xylene	86		30 - 124

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

Lab Sample ID: MB 480-748199/1-A

Matrix: Solid

Analysis Batch: 748228

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1221	ND		0.25	0.049	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1232	ND		0.25	0.049	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1242	ND		0.25	0.049	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1248	ND		0.25	0.049	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1254	ND		0.25	0.12	mg/Kg		06/07/25 08:51	06/09/25 12:52	1
PCB-1260	ND		0.25	0.12	mg/Kg		06/07/25 08:51	06/09/25 12:52	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	115		60 - 154	06/07/25 08:51	06/09/25 12:52	1
Tetrachloro-m-xylene	112		60 - 154	06/07/25 08:51	06/09/25 12:52	1
DCB Decachlorobiphenyl	138		65 - 174	06/07/25 08:51	06/09/25 12:52	1
DCB Decachlorobiphenyl	122		65 - 174	06/07/25 08:51	06/09/25 12:52	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 480-748199/2-A

Matrix: Solid

Analysis Batch: 748228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.50	2.49		mg/Kg		100	51 - 185
PCB-1260	2.50	2.53		mg/Kg		101	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	113		60 - 154
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	137		65 - 174
DCB Decachlorobiphenyl	115		65 - 174

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

Lab Sample ID: MB 410-653983/1-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 653983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		06/06/25 10:04	06/09/25 20:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		06/06/25 10:04	06/09/25 20:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		06/06/25 10:04	06/09/25 20:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		06/06/25 10:04	06/09/25 20:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		06/06/25 10:04	06/09/25 20:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		06/06/25 10:04	06/09/25 20:15	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 410-653983/1-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 653983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		06/06/25 10:04	06/09/25 20:15	1
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		06/06/25 10:04	06/09/25 20:15	1
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		06/06/25 10:04	06/09/25 20:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		06/06/25 10:04	06/09/25 20:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		06/06/25 10:04	06/09/25 20:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		06/06/25 10:04	06/09/25 20:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		06/06/25 10:04	06/09/25 20:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		06/06/25 10:04	06/09/25 20:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		06/06/25 10:04	06/09/25 20:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		06/06/25 10:04	06/09/25 20:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		06/06/25 10:04	06/09/25 20:15	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	91.4		8 - 130	06/06/25 10:04	06/09/25 20:15	1
13C5-PFPeA	89.3		35 - 130	06/06/25 10:04	06/09/25 20:15	1
13C5-PFHxA	86.5		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C4-PFHpA	86.5		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C8-PFOA	85.1		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C9-PFNA	89.4		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C6-PFDA	85.9		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C7-PFUnA	94.2		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C2-PFTeDA	64.3		20 - 130	06/06/25 10:04	06/09/25 20:15	1
13C3-PFBS	86.7		40 - 135	06/06/25 10:04	06/09/25 20:15	1
13C3-PFHxS	85.1		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C8-PFOS	81.1		40 - 130	06/06/25 10:04	06/09/25 20:15	1
13C8-PFOSA	73.3		40 - 130	06/06/25 10:04	06/09/25 20:15	1
d3-NMeFOSAA	84.8		40 - 135	06/06/25 10:04	06/09/25 20:15	1
d5-NEtFOSAA	75.3		40 - 150	06/06/25 10:04	06/09/25 20:15	1
13C2 4:2 FTS	91.1		40 - 165	06/06/25 10:04	06/09/25 20:15	1
13C2 6:2 FTS	111		40 - 215	06/06/25 10:04	06/09/25 20:15	1
13C2 8:2 FTS	87.6		40 - 275	06/06/25 10:04	06/09/25 20:15	1
13C3-HFPO-DA	77.8		40 - 130	06/06/25 10:04	06/09/25 20:15	1
D7-NMeFOSE	47.7		20 - 130	06/06/25 10:04	06/09/25 20:15	1
D9-NEtFOSE	33.9		15 - 130	06/06/25 10:04	06/09/25 20:15	1
d5-NEtPFOSA	43.1		10 - 130	06/06/25 10:04	06/09/25 20:15	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: MB 410-653983/1-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 653983

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d3-NMePFOSA	51.5		10 - 130	06/06/25 10:04	06/09/25 20:15	1
13C2 PFDoA	77.5		40 - 130	06/06/25 10:04	06/09/25 20:15	1

Lab Sample ID: LCS 410-653983/2-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.95	4.50		ng/g		91	70 - 140
Perfluoropentanoic acid (PFPeA)	2.48	2.25		ng/g		91	60 - 150
Perfluorohexanoic acid (PFHxA)	2.48	2.29		ng/g		92	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.48	2.36		ng/g		96	65 - 145
Perfluorooctanoic acid (PFOA)	2.48	2.31		ng/g		93	70 - 150
Perfluorononanoic acid (PFNA)	2.48	2.36		ng/g		95	70 - 155
Perfluorodecanoic acid (PFDA)	2.48	2.33		ng/g		94	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.48	2.23		ng/g		90	70 - 155
Perfluorododecanoic acid (PFDoA)	2.48	2.24		ng/g		91	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.48	2.20		ng/g		89	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.48	2.42		ng/g		98	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.20	2.09		ng/g		95	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.33	2.18		ng/g		94	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.26	2.24		ng/g		99	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.36	2.42		ng/g		103	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.30	2.22		ng/g		96	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.38	2.16		ng/g		91	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.39	2.13		ng/g		89	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.40	1.77		ng/g		74	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.64	4.29		ng/g		92	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.71	4.36		ng/g		93	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.75	4.27		ng/g		90	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.48	2.61		ng/g		105	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.48	2.59		ng/g		105	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.48	2.53		ng/g		102	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.48	2.21		ng/g		89	65 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 410-653983/2-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.48	2.29		ng/g		92	65 - 165
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	12.4	11.7		ng/g		94	70 - 140
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	12.4	12.1		ng/g		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.86	1.72		ng/g		93	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.34	2.26		ng/g		97	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.48	2.35		ng/g		95	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.48	2.24		ng/g		90	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.48	2.13		ng/g		86	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.31	2.17		ng/g		94	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.34	1.93		ng/g		83	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.21	2.02		ng/g		91	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.95	4.88		ng/g		99	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.4	10.2		ng/g		83	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.4	9.78		ng/g		79	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	99.9		8 - 130
13C5-PFPeA	92.3		35 - 130
13C5-PFHxA	95.5		40 - 130
13C4-PFHpA	90.9		40 - 130
13C8-PFOA	93.0		40 - 130
13C9-PFNA	95.1		40 - 130
13C6-PFDA	92.7		40 - 130
13C7-PFUnA	103		40 - 130
13C2-PFTeDA	72.4		20 - 130
13C3-PFBS	97.8		40 - 135
13C3-PFHxS	94.0		40 - 130
13C8-PFOS	96.4		40 - 130
13C8-PFOSA	82.9		40 - 130
d3-NMeFOSAA	102		40 - 135
d5-NEtFOSAA	86.3		40 - 150
13C2 4:2 FTS	102		40 - 165
13C2 6:2 FTS	110		40 - 215
13C2 8:2 FTS	98.8		40 - 275
13C3-HFPO-DA	87.5		40 - 130
D7-NMeFOSE	55.9		20 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCS 410-653983/2-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
D9-NEtFOSE	44.6		15 - 130
d5-NEtPFOSA	45.3		10 - 130
d3-NMePFOSA	57.5		10 - 130
13C2 PFDoA	84.1		40 - 130

Lab Sample ID: LLCS 410-653983/3-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	0.500	0.448		ng/g		90	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.243		ng/g		97	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.233		ng/g		93	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.242		ng/g		97	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.281		ng/g		112	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.242		ng/g		97	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.253		ng/g		101	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.233		ng/g		93	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.232		ng/g		93	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.251		ng/g		100	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.227		ng/g		91	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.217		ng/g		98	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.244		ng/g		104	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.242		ng/g		106	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.261		ng/g		110	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.237		ng/g		102	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.205		ng/g		85	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.200		ng/g		83	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.188	J	ng/g		78	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.470		ng/g		100	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.395	J	ng/g		83	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.479	0.495		ng/g		103	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.248		ng/g		99	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.286		ng/g		115	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.266		ng/g		106	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LLCS 410-653983/3-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.197	J	ng/g		79	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.272	I	ng/g		109	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.18		ng/g		95	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.17		ng/g		94	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.188	J	ng/g		100	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.236		ng/g		100	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.235		ng/g		94	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.231		ng/g		92	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.220		ng/g		88	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.142	J *	ng/g		61	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.132	J	ng/g		56	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	0.223	0.232		ng/g		104	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.443		ng/g		89	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.08		ng/g		87	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.03		ng/g		82	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4-PFBA	100		8 - 130
13C5-PFPeA	95.3		35 - 130
13C5-PFHxA	88.5		40 - 130
13C4-PFHpA	86.3		40 - 130
13C8-PFOA	84.9		40 - 130
13C9-PFNA	83.3		40 - 130
13C6-PFDA	84.1		40 - 130
13C7-PFUnA	81.8		40 - 130
13C2-PFTeDA	54.9		20 - 130
13C3-PFBS	95.4		40 - 135
13C3-PFHxS	84.1		40 - 130
13C8-PFOS	65.4		40 - 130
13C8-PFOSA	73.6		40 - 130
d3-NMeFOSAA	83.9		40 - 135
d5-NEtFOSAA	73.6		40 - 150
13C2 4:2 FTS	102		40 - 165
13C2 6:2 FTS	115		40 - 215
13C2 8:2 FTS	88.0		40 - 275
13C3-HFPO-DA	83.7		40 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LLCS 410-653983/3-A

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 653983

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
D7-NMeFOSE	41.4		20 - 130
D9-NEtFOSE	34.0		15 - 130
d5-NEtPFOSA	40.2		10 - 130
d3-NMePFOSA	47.9		10 - 130
13C2 PFDoA	59.8		40 - 130

Lab Sample ID: 480-229901-1 MS

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Sample		Spike	MS MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Perfluorobutanoic acid (PFBA)	ND		4.96	4.65		ng/g	⊛	94	70 - 140	
Perfluoropentanoic acid (PFPeA)	ND		2.48	2.26		ng/g	⊛	91	60 - 150	
Perfluorohexanoic acid (PFHxA)	ND		2.48	2.17		ng/g	⊛	88	65 - 140	
Perfluoroheptanoic acid (PFHpA)	ND		2.48	2.38		ng/g	⊛	96	65 - 145	
Perfluorooctanoic acid (PFOA)	0.13	J	2.48	2.43		ng/g	⊛	93	70 - 150	
Perfluorononanoic acid (PFNA)	0.079	J	2.48	2.39		ng/g	⊛	93	70 - 155	
Perfluorodecanoic acid (PFDA)	ND		2.48	2.21		ng/g	⊛	89	70 - 155	
Perfluoroundecanoic acid (PFUnA)	ND		2.48	2.20		ng/g	⊛	89	70 - 155	
Perfluorododecanoic acid (PFDoA)	ND		2.48	2.23		ng/g	⊛	90	70 - 150	
Perfluorotridecanoic acid (PFTrDA)	ND		2.48	2.38		ng/g	⊛	96	65 - 150	
Perfluorotetradecanoic acid (PFTeDA)	ND		2.48	2.54		ng/g	⊛	102	65 - 150	
Perfluorobutanesulfonic acid (PFBS)	ND		2.20	2.03		ng/g	⊛	92	65 - 145	
Perfluoropentanesulfonic acid (PFPeS)	ND		2.33	2.26		ng/g	⊛	97	55 - 160	
Perfluorohexanesulfonic acid (PFHxS)	ND		2.26	2.27		ng/g	⊛	100	60 - 150	
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.36	2.58		ng/g	⊛	109	65 - 155	
Perfluorooctanesulfonic acid (PFOS)	1.0		2.30	3.20		ng/g	⊛	95	65 - 160	
Perfluorononanesulfonic acid (PFNS)	ND		2.38	2.25		ng/g	⊛	94	55 - 140	
Perfluorodecanesulfonic acid (PFDS)	ND		2.39	2.11		ng/g	⊛	88	40 - 155	
Perfluorododecanesulfonic acid (PFDoS)	ND		2.40	1.79		ng/g	⊛	75	25 - 160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.65	4.24		ng/g	⊛	91	60 - 150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.72	4.28		ng/g	⊛	91	55 - 200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.76	4.12		ng/g	⊛	87	70 - 150	
Perfluorooctanesulfonamide (PFOSA)	ND		2.48	2.65		ng/g	⊛	107	70 - 140	
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.48	2.53		ng/g	⊛	102	70 - 155	

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: 480-229901-1 MS

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.48	2.68		ng/g	☼	108	70 - 140
N-methylperfluorooctanesulfonamide (NMtFOSA)	ND		2.48	2.32		ng/g	☼	94	65 - 155
N-ethylperfluorooctanesulfonamide (NEtFOSA)	ND		2.48	2.46		ng/g	☼	99	65 - 165
N-methylperfluorooctanesulfonamide (NMtFOSA)	ND		12.4	12.0		ng/g	☼	97	70 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSA)	ND		12.4	12.3		ng/g	☼	99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.86	1.88		ng/g	☼	101	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.34	2.37		ng/g	☼	101	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.48	2.31		ng/g	☼	93	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.48	2.27		ng/g	☼	92	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.48	2.07		ng/g	☼	84	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*-	2.31	1.94		ng/g	☼	84	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.34	1.75		ng/g	☼	75	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.21	1.95		ng/g	☼	88	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.96	4.48		ng/g	☼	90	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.4	10.6		ng/g	☼	85	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.4	10.1		ng/g	☼	82	60 - 150

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4-PFBA	87.4		8 - 130
13C5-PFPeA	83.6		35 - 130
13C5-PFHxA	85.3		40 - 130
13C4-PFHpA	83.3		40 - 130
13C8-PFOA	85.9		40 - 130
13C9-PFNA	86.4		40 - 130
13C6-PFDA	79.5		40 - 130
13C7-PFUnA	79.0		40 - 130
13C2-PFTeDA	47.7		20 - 130
13C3-PFBS	83.8		40 - 135
13C3-PFHxS	79.0		40 - 130
13C8-PFOS	78.5		40 - 130
13C8-PFOSA	76.4		40 - 130
d3-NMeFOSAA	83.8		40 - 135
d5-NEtFOSAA	73.6		40 - 150
13C2 4:2 FTS	106		40 - 165
13C2 6:2 FTS	115		40 - 215

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: 480-229901-1 MS

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 8:2 FTS	98.3		40 - 275
13C3-HFPO-DA	76.4		40 - 130
D7-NMeFOSE	49.4		20 - 130
D9-NEtFOSE	37.4		15 - 130
d5-NEtPFOSA	44.4		10 - 130
d3-NMePFOSA	57.5		10 - 130
13C2 PFDoA	65.9		40 - 130

Lab Sample ID: 480-229901-1 MSD

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		4.93	4.50		ng/g	✱	91	70 - 140	3	30
Perfluoropentanoic acid (PFPeA)	ND		2.47	2.18		ng/g	✱	88	60 - 150	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.47	2.26		ng/g	✱	92	65 - 140	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.47	2.46		ng/g	✱	100	65 - 145	4	30
Perfluorooctanoic acid (PFOA)	0.13 J		2.47	2.53		ng/g	✱	97	70 - 150	4	30
Perfluorononanoic acid (PFNA)	0.079 J		2.47	2.39		ng/g	✱	94	70 - 155	0	30
Perfluorodecanoic acid (PFDA)	ND		2.47	2.23		ng/g	✱	90	70 - 155	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.47	2.22		ng/g	✱	90	70 - 155	1	30
Perfluorododecanoic acid (PFDoA)	ND		2.47	2.39		ng/g	✱	97	70 - 150	7	30
Perfluorotridecanoic acid (PFTrDA)	ND		2.47	2.21		ng/g	✱	90	65 - 150	7	30
Perfluorotetradecanoic acid (PFTeDA)	ND		2.47	2.35		ng/g	✱	95	65 - 150	8	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.19	2.12		ng/g	✱	97	65 - 145	4	30
Perfluoropentanesulfonic acid (PFPeS)	ND		2.32	2.10		ng/g	✱	90	55 - 160	7	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.25	2.07		ng/g	✱	92	60 - 150	9	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.35	2.44		ng/g	✱	104	65 - 155	6	30
Perfluorooctanesulfonic acid (PFOS)	1.0		2.29	3.14		ng/g	✱	92	65 - 160	2	30
Perfluorononanesulfonic acid (PFNS)	ND		2.37	2.26		ng/g	✱	95	55 - 140	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.38	2.03		ng/g	✱	86	40 - 155	4	30
Perfluorododecanesulfonic acid (PFDoS)	ND		2.39	1.49		ng/g	✱	62	25 - 160	18	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.63	4.30		ng/g	✱	93	60 - 150	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.70	4.10		ng/g	✱	87	55 - 200	4	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.74	4.54		ng/g	✱	96	70 - 150	10	30
Perfluorooctanesulfonamide (PFOSA)	ND		2.47	2.62		ng/g	✱	106	70 - 140	1	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: 480-229901-1 MSD

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.47	2.65		ng/g	☼	107	70 - 155	5	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.47	2.64		ng/g	☼	107	70 - 140	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.47	2.23		ng/g	☼	90	65 - 155	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.47	2.35		ng/g	☼	95	65 - 165	4	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		12.3	11.7		ng/g	☼	95	70 - 140	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		12.3	12.5		ng/g	☼	101	70 - 135	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.85	1.86		ng/g	☼	101	70 - 145	1	30
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		2.33	2.33		ng/g	☼	100	70 - 160	2	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.47	2.23		ng/g	☼	90	30 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.47	2.23		ng/g	☼	91	60 - 150	2	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.47	2.22		ng/g	☼	90	60 - 155	7	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	*	2.30	2.08		ng/g	☼	90	70 - 150	7	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.33	1.69		ng/g	☼	73	45 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.20	1.91		ng/g	☼	87	70 - 140	2	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.93	4.50		ng/g	☼	91	45 - 130	0	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.3	10.5		ng/g	☼	85	60 - 130	1	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.3	8.90		ng/g	☼	72	60 - 150	13	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4-PFBA	90.4		8 - 130
13C5-PFPeA	84.7		35 - 130
13C5-PFHxA	84.8		40 - 130
13C4-PFHpA	78.3		40 - 130
13C8-PFOA	87.0		40 - 130
13C9-PFNA	88.4		40 - 130
13C6-PFDA	80.6		40 - 130
13C7-PFUnA	84.7		40 - 130
13C2-PFTeDA	43.6		20 - 130
13C3-PFBS	83.8		40 - 135
13C3-PFHxS	85.9		40 - 130
13C8-PFOS	84.1		40 - 130
13C8-PFOSA	78.7		40 - 130
d3-NMeFOSAA	74.2		40 - 135
d5-NEtFOSAA	63.9		40 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: 480-229901-1 MSD

Matrix: Solid

Analysis Batch: 655151

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 653983

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C2 4:2 FTS	102		40 - 165
13C2 6:2 FTS	109		40 - 215
13C2 8:2 FTS	97.2		40 - 275
13C3-HFPO-DA	75.9		40 - 130
D7-NMeFOSE	48.6		20 - 130
D9-NEtFOSE	34.3		15 - 130
d5-NEtPFOSA	42.2		10 - 130
d3-NMePFOSA	54.0		10 - 130
13C2 PFD _o A	60.2		40 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-747921/1-A

Matrix: Solid

Analysis Batch: 748254

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747921

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		10.5	9.1	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Antimony	ND		15.8	0.56	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Arsenic	ND		2.1	0.93	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Barium	ND	^5-	0.53	0.15	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Beryllium	ND	^5-	0.21	0.042	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Cadmium	ND		0.21	0.074	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Calcium	ND		52.7	28.4	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Chromium	ND		0.53	0.38	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Cobalt	ND		0.53	0.11	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Copper	ND		1.1	0.60	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Iron	ND		10.5	8.9	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Lead	ND		1.1	0.48	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Magnesium	ND	^5-	21.1	8.9	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Manganese	ND	^5-	1.1	0.29	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Nickel	ND	^5-	5.3	0.26	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Potassium	ND		31.6	25.5	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Selenium	ND		4.2	0.84	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Silver	ND	^5-	0.63	0.21	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Sodium	ND		147	64.6	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Thallium	ND		6.3	0.80	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Vanadium	ND	^5-	0.53	0.14	mg/Kg		06/04/25 16:37	06/06/25 19:12	1
Zinc	ND	^5-	2.1	1.1	mg/Kg		06/04/25 16:37	06/06/25 19:12	1

Lab Sample ID: LCSSRM 480-747921/2-A

Matrix: Solid

Analysis Batch: 748254

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747921

Analyte	Spike Added	LCSSRM LCSSRM		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aluminum	7680	7286		mg/Kg		94.9	47.4 - 130.2
Antimony	201	79.15		mg/Kg		39.4	0.06 - 100.0
Arsenic	181	135.9		mg/Kg		75.1	66.3 - 97.8

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCSSRM 480-747921/2-A
Matrix: Solid
Analysis Batch: 748254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747921

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	211	190.6		mg/Kg		90.3	73.9 - 107.1
Beryllium	270	241.0		mg/Kg		89.3	73.0 - 104.4
Cadmium	221	168.3		mg/Kg		76.2	70.6 - 101.8
Calcium	4280	4000		mg/Kg		93.5	77.3 - 111.0
Chromium	149	134.5		mg/Kg		90.3	71.8 - 105.4
Cobalt	142	130.6		mg/Kg		92.0	73.2 - 104.2
Copper	264	209.8		mg/Kg		79.5	73.5 - 104.2
Iron	7360	6631		mg/Kg		90.1	55.4 - 130.3
Lead	106	91.51		mg/Kg		86.3	76.1 - 109.4
Magnesium	2170	1829		mg/Kg		84.3	68.7 - 112.0
Manganese	270	262.7		mg/Kg		97.3	73.0 - 107.8
Nickel	177	160.7		mg/Kg		90.8	71.8 - 103.4
Potassium	2340	2062		mg/Kg		88.1	62.8 - 113.7
Selenium	139	109.1		mg/Kg		78.5	70.0 - 107.9
Silver	59.9	50.68		mg/Kg		84.6	72.8 - 110.7
Sodium	306	273.0		mg/Kg		89.2	66.0 - 113.4
Thallium	205	176.2		mg/Kg		86.0	71.7 - 106.8
Vanadium	155	135.3		mg/Kg		87.3	69.0 - 107.7
Zinc	398	313.6		mg/Kg		78.8	68.8 - 104.5

Lab Sample ID: 480-229901-1 MS
Matrix: Solid
Analysis Batch: 748254

Client Sample ID: RI-BH-1 Fill
Prep Type: Total/NA
Prep Batch: 747921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	3300	F1	1050	6114	F1	mg/Kg	✱	269	75 - 125
Antimony	1.2	J	103	78.95		mg/Kg	✱	76	75 - 125
Arsenic	9.5		205	188.9		mg/Kg	✱	87	75 - 125
Barium	25.9	^5-	205	216.4	^5-	mg/Kg	✱	93	75 - 125
Beryllium	0.62	^5-	102	98.43	^5-	mg/Kg	✱	96	75 - 125
Cadmium	0.22		103	91.11		mg/Kg	✱	89	75 - 125
Calcium	1520		5130	6470		mg/Kg	✱	96	75 - 125
Chromium	8.2		103	103.9		mg/Kg	✱	93	75 - 125
Cobalt	3.3		103	100.1		mg/Kg	✱	94	75 - 125
Copper	13.0		103	99.99		mg/Kg	✱	85	75 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: 480-229901-1 MS

Matrix: Solid

Analysis Batch: 748254

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 747921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	14500		1050	11520	4	mg/Kg	✱	-281	75 - 125
Lead	40.3		103	128.7		mg/Kg	✱	86	75 - 125
Magnesium	291	^5-	5130	4945	^5-	mg/Kg	✱	91	75 - 125
Manganese	180	^5-	103	293.1	^5-	mg/Kg	✱	110	75 - 125
Nickel	7.7	^5-	103	102.8	^5-	mg/Kg	✱	93	75 - 125
Potassium	617		5130	5277		mg/Kg	✱	91	75 - 125
Selenium	ND		205	174.6		mg/Kg	✱	85	75 - 125
Silver	ND	^5-	10.3	9.23	^5-	mg/Kg	✱	90	75 - 125
Sodium	ND		5130	4828		mg/Kg	✱	94	75 - 125
Thallium	ND		205	169.2		mg/Kg	✱	82	75 - 125
Vanadium	11.9	^5-	103	107.7	^5-	mg/Kg	✱	93	75 - 125
Zinc	34.2	^5-	103	124.9	^5-	mg/Kg	✱	88	75 - 125

Lab Sample ID: 480-229901-1 MSD

Matrix: Solid

Analysis Batch: 748254

Client Sample ID: RI-BH-1 Fill

Prep Type: Total/NA

Prep Batch: 747921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	3300	F1	1060	6096	F1	mg/Kg	✱	264	75 - 125	0	20
Antimony	1.2	J	104	81.11		mg/Kg	✱	77	75 - 125	3	20
Arsenic	9.5		208	192.0		mg/Kg	✱	88	75 - 125	2	20
Barium	25.9	^5-	208	224.8	^5-	mg/Kg	✱	96	75 - 125	4	20
Beryllium	0.62	^5-	103	99.85	^5-	mg/Kg	✱	96	75 - 125	1	20
Cadmium	0.22		104	93.61		mg/Kg	✱	90	75 - 125	3	20
Calcium	1520		5190	6863		mg/Kg	✱	103	75 - 125	6	20
Chromium	8.2		104	106.9		mg/Kg	✱	95	75 - 125	3	20
Cobalt	3.3		104	103.6		mg/Kg	✱	97	75 - 125	3	20
Copper	13.0		104	102.4		mg/Kg	✱	86	75 - 125	2	20
Iron	14500		1060	12930	4	mg/Kg	✱	-144	75 - 125	12	20
Lead	40.3		104	130.2		mg/Kg	✱	87	75 - 125	1	20
Magnesium	291	^5-	5190	5263	^5-	mg/Kg	✱	96	75 - 125	6	20
Manganese	180	^5-	104	263.6	^5-	mg/Kg	✱	80	75 - 125	11	20
Nickel	7.7	^5-	104	106.9	^5-	mg/Kg	✱	96	75 - 125	4	20
Potassium	617		5190	5492		mg/Kg	✱	94	75 - 125	4	20
Selenium	ND		208	177.6		mg/Kg	✱	86	75 - 125	2	20
Silver	ND	^5-	10.4	9.46	^5-	mg/Kg	✱	91	75 - 125	3	20
Sodium	ND		5190	4939		mg/Kg	✱	95	75 - 125	2	20
Thallium	ND		208	176.8		mg/Kg	✱	85	75 - 125	4	20
Vanadium	11.9	^5-	104	110.4	^5-	mg/Kg	✱	95	75 - 125	2	20
Zinc	34.2	^5-	104	135.1	^5-	mg/Kg	✱	97	75 - 125	8	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-747997/1-A

Matrix: Solid

Analysis Batch: 748148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0045	mg/Kg		06/06/25 08:57	06/06/25 10:59	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Lab Sample ID: LCSSRM 480-747997/2-A ^10

Matrix: Solid

Analysis Batch: 748148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747997

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	23.7	19.47		mg/Kg		82.1	55.8 - 109.6

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-748169/1-A

Matrix: Solid

Analysis Batch: 748201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.0	0.48	mg/Kg		06/06/25 10:50	06/06/25 16:23	1

Lab Sample ID: LCS 480-748169/3-A

Matrix: Solid

Analysis Batch: 748201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.386		mg/Kg		97	29 - 122

Lab Sample ID: LCS 480-748169/4-A

Matrix: Solid

Analysis Batch: 748201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.260		mg/Kg		104	29 - 122

Lab Sample ID: MB 480-748172/1-A

Matrix: Solid

Analysis Batch: 748201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 748172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.92	0.44	mg/Kg		06/06/25 12:45	06/06/25 16:43	1

Lab Sample ID: LCSSRM 480-748172/2-A

Matrix: Solid

Analysis Batch: 748201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 748172

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	150	103.1		mg/Kg		68.7	38.9 - 138.7

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

GC/MS VOA

Prep Batch: 747939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	5035A_L	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	5035A_L	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	5035A_L	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	5035A_L	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	5035A_L	
MB 480-747939/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747939/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 747942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	8260C	747939
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	8260C	747939
480-229901-4	RI-BH-2 Native	Total/NA	Solid	8260C	747939
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	8260C	747939
480-229901-6	RI-BH-8 Native	Total/NA	Solid	8260C	747939
MB 480-747939/2-A	Method Blank	Total/NA	Solid	8260C	747939
LCS 480-747939/1-A	Lab Control Sample	Total/NA	Solid	8260C	747939

Analysis Batch: 747990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-2	RI-BH-1 Native	Total/NA	Solid	8260C	747999
MB 480-747999/1-A	Method Blank	Total/NA	Solid	8260C	747999
LCS 480-747999/2-A	Lab Control Sample	Total/NA	Solid	8260C	747999

Prep Batch: 747999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-2	RI-BH-1 Native	Total/NA	Solid	5035A_H	
MB 480-747999/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-747999/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS Semi VOA

Prep Batch: 747967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	3546	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	3546	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	3546	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	3546	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	3546	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	3546	
MB 480-747967/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-747967/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 748084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	8270D	747967
480-229901-2	RI-BH-1 Native	Total/NA	Solid	8270D	747967
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	8270D	747967
480-229901-4	RI-BH-2 Native	Total/NA	Solid	8270D	747967
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	8270D	747967
480-229901-6	RI-BH-8 Native	Total/NA	Solid	8270D	747967

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

GC/MS Semi VOA (Continued)

Analysis Batch: 748084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-747967/1-A	Method Blank	Total/NA	Solid	8270D	747967
LCS 480-747967/2-A	Lab Control Sample	Total/NA	Solid	8270D	747967

GC Semi VOA

Prep Batch: 748064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	3546	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	3546	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	3546	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	3546	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	3546	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	3546	
MB 480-748064/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-748064/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 748199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	3550C	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	3550C	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	3550C	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	3550C	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	3550C	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	3550C	
MB 480-748199/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-748199/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 748228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	8082A	748199
480-229901-2	RI-BH-1 Native	Total/NA	Solid	8082A	748199
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	8082A	748199
480-229901-4	RI-BH-2 Native	Total/NA	Solid	8082A	748199
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	8082A	748199
480-229901-6	RI-BH-8 Native	Total/NA	Solid	8082A	748199
MB 480-748199/1-A	Method Blank	Total/NA	Solid	8082A	748199
LCS 480-748199/2-A	Lab Control Sample	Total/NA	Solid	8082A	748199

Analysis Batch: 748245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	8081B	748064
480-229901-2	RI-BH-1 Native	Total/NA	Solid	8081B	748064
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	8081B	748064
480-229901-4	RI-BH-2 Native	Total/NA	Solid	8081B	748064
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	8081B	748064
480-229901-6	RI-BH-8 Native	Total/NA	Solid	8081B	748064
MB 480-748064/1-A	Method Blank	Total/NA	Solid	8081B	748064
LCS 480-748064/2-A	Lab Control Sample	Total/NA	Solid	8081B	748064

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

LCMS

Prep Batch: 653983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	1633 Shake	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	1633 Shake	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	1633 Shake	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	1633 Shake	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	1633 Shake	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	1633 Shake	
MB 410-653983/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-653983/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 410-653983/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
480-229901-1 MS	RI-BH-1 Fill	Total/NA	Solid	1633 Shake	
480-229901-1 MSD	RI-BH-1 Fill	Total/NA	Solid	1633 Shake	

Analysis Batch: 655151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	1633	653983
480-229901-2	RI-BH-1 Native	Total/NA	Solid	1633	653983
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	1633	653983
480-229901-4	RI-BH-2 Native	Total/NA	Solid	1633	653983
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	1633	653983
480-229901-6	RI-BH-8 Native	Total/NA	Solid	1633	653983
MB 410-653983/1-A	Method Blank	Total/NA	Solid	1633	653983
LCS 410-653983/2-A	Lab Control Sample	Total/NA	Solid	1633	653983
LLCS 410-653983/3-A	Lab Control Sample	Total/NA	Solid	1633	653983
480-229901-1 MS	RI-BH-1 Fill	Total/NA	Solid	1633	653983
480-229901-1 MSD	RI-BH-1 Fill	Total/NA	Solid	1633	653983

Metals

Prep Batch: 747921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	3050B	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	3050B	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	3050B	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	3050B	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	3050B	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	3050B	
MB 480-747921/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-747921/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-229901-1 MS	RI-BH-1 Fill	Total/NA	Solid	3050B	
480-229901-1 MSD	RI-BH-1 Fill	Total/NA	Solid	3050B	

Prep Batch: 747997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	7471B	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	7471B	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	7471B	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	7471B	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	7471B	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	7471B	
MB 480-747997/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-747997/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Metals

Analysis Batch: 748148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	7471B	747997
480-229901-2	RI-BH-1 Native	Total/NA	Solid	7471B	747997
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	7471B	747997
480-229901-4	RI-BH-2 Native	Total/NA	Solid	7471B	747997
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	7471B	747997
480-229901-6	RI-BH-8 Native	Total/NA	Solid	7471B	747997
MB 480-747997/1-A	Method Blank	Total/NA	Solid	7471B	747997
LCSSRM 480-747997/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	747997

Analysis Batch: 748254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	6010D	747921
480-229901-2	RI-BH-1 Native	Total/NA	Solid	6010D	747921
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	6010D	747921
480-229901-4	RI-BH-2 Native	Total/NA	Solid	6010D	747921
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	6010D	747921
480-229901-6	RI-BH-8 Native	Total/NA	Solid	6010D	747921
MB 480-747921/1-A	Method Blank	Total/NA	Solid	6010D	747921
LCSSRM 480-747921/2-A	Lab Control Sample	Total/NA	Solid	6010D	747921
480-229901-1 MS	RI-BH-1 Fill	Total/NA	Solid	6010D	747921
480-229901-1 MSD	RI-BH-1 Fill	Total/NA	Solid	6010D	747921

Analysis Batch: 748321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-2	RI-BH-1 Native	Total/NA	Solid	6010D	747921
480-229901-4	RI-BH-2 Native	Total/NA	Solid	6010D	747921
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	6010D	747921

General Chemistry

Analysis Batch: 747912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	Moisture	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	Moisture	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	Moisture	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	Moisture	
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	Moisture	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	Moisture	

Prep Batch: 748169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-748169/1-A	Method Blank	Total/NA	Solid	Distill/CN	
LCS 480-748169/3-A	Lab Control Sample	Total/NA	Solid	Distill/CN	
LCS 480-748169/4-A	Lab Control Sample	Total/NA	Solid	Distill/CN	

Prep Batch: 748172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	9012B	
480-229901-2	RI-BH-1 Native	Total/NA	Solid	9012B	
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	9012B	
480-229901-4	RI-BH-2 Native	Total/NA	Solid	9012B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

General Chemistry (Continued)

Prep Batch: 748172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	9012B	
480-229901-6	RI-BH-8 Native	Total/NA	Solid	9012B	
MB 480-748172/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 480-748172/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 748201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229901-1	RI-BH-1 Fill	Total/NA	Solid	9012B	748172
480-229901-2	RI-BH-1 Native	Total/NA	Solid	9012B	748172
480-229901-3	RI-BH-2 Fill	Total/NA	Solid	9012B	748172
480-229901-4	RI-BH-2 Native	Total/NA	Solid	9012B	748172
480-229901-5	RI-BH-8 Fill	Total/NA	Solid	9012B	748172
480-229901-6	RI-BH-8 Native	Total/NA	Solid	9012B	748172
MB 480-748169/1-A	Method Blank	Total/NA	Solid	9012B	748169
MB 480-748172/1-A	Method Blank	Total/NA	Solid	9012B	748172
LCS 480-748169/3-A	Lab Control Sample	Total/NA	Solid	9012B	748169
LCS 480-748169/4-A	Lab Control Sample	Total/NA	Solid	9012B	748169
LCSSRM 480-748172/2-A	Lab Control Sample	Total/NA	Solid	9012B	748172

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-1 Fill

Lab Sample ID: 480-229901-1

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/05/25 01:54
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		1	748084	JMM	EET BUF	06/06/25 22:23
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		1	748245	JLS	EET BUF	06/09/25 11:32
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 14:25
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:04
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 20:56
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:16
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:07
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:54

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			747999	ATG	EET BUF	06/05/25 11:24
Total/NA	Analysis	8260C		1	747990	ATG	EET BUF	06/05/25 14:50
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		1	748084	JMM	EET BUF	06/06/25 22:48
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		1	748245	JLS	EET BUF	06/09/25 11:52
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 14:43

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-1 Native

Lab Sample ID: 480-229901-2

Date Collected: 06/03/25 08:19

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:04
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 21:37
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:26
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748321	BMB	EET BUF	06/09/25 13:40
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:08
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:55

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-2 Fill

Lab Sample ID: 480-229901-3

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/05/25 02:18
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		1	748084	JMM	EET BUF	06/06/25 23:13
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		10	748245	JLS	EET BUF	06/09/25 12:11
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 15:02
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:04
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 21:51
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:28
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:10
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:55

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-2 Native

Lab Sample ID: 480-229901-4

Date Collected: 06/03/25 08:30

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/05/25 02:42
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		1	748084	JMM	EET BUF	06/06/25 23:37
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		1	748245	JLS	EET BUF	06/09/25 12:31
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 15:20
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:04
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 22:04
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:38
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748321	BMB	EET BUF	06/09/25 13:42
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:11
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:56

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/05/25 03:05
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		10	748084	JMM	EET BUF	06/07/25 00:02
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		5	748245	JLS	EET BUF	06/09/25 12:50

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Client Sample ID: RI-BH-8 Fill

Lab Sample ID: 480-229901-5

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 15:39
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:04
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 22:18
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:40
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748321	BMB	EET BUF	06/09/25 13:44
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:15
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:56

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747912	VXF	EET BUF	06/04/25 14:40

Client Sample ID: RI-BH-8 Native

Lab Sample ID: 480-229901-6

Date Collected: 06/03/25 08:45

Matrix: Solid

Date Received: 06/03/25 16:55

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747939	CDC	EET BUF	06/04/25 18:51
Total/NA	Analysis	8260C		1	747942	CDC	EET BUF	06/05/25 03:29
Total/NA	Prep	3546			747967	JMP	EET BUF	06/05/25 08:38
Total/NA	Analysis	8270D		1	748084	JMM	EET BUF	06/07/25 00:26
Total/NA	Prep	3546			748064	SMP	EET BUF	06/06/25 06:35
Total/NA	Analysis	8081B		1	748245	JLS	EET BUF	06/09/25 13:10
Total/NA	Prep	3550C			748199	JMP	EET BUF	06/07/25 08:51
Total/NA	Analysis	8082A		1	748228	H9RU	EET BUF	06/09/25 15:57
Total/NA	Prep	1633 Shake			653983	URGB	ELLE	06/06/25 10:06
Total/NA	Analysis	1633		1	655151	BWX7	ELLE	06/09/25 22:32
Total/NA	Prep	3050B			747921	ESB	EET BUF	06/04/25 16:37
Total/NA	Analysis	6010D		1	748254	BMB	EET BUF	06/06/25 19:42
Total/NA	Prep	7471B			747997	ESB	EET BUF	06/06/25 08:57
Total/NA	Analysis	7471B		1	748148	ESB	EET BUF	06/06/25 11:16
Total/NA	Prep	9012B			748172	AM	EET BUF	06/06/25 12:45
Total/NA	Analysis	9012B		1	748201	AM	EET BUF	06/06/25 16:58

Laboratory References:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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
1633	1633 Shake	Solid	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
1633	1633 Shake	Solid	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633 Shake	Solid	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
1633	1633 Shake	Solid	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
1633	1633 Shake	Solid	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633 Shake	Solid	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
1633	1633 Shake	Solid	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
1633	1633 Shake	Solid	Perfluoro-3-methoxypropanoic acid (PFMPA)
1633	1633 Shake	Solid	Perfluoro-4-methoxybutanoic acid (PFMBA)
1633	1633 Shake	Solid	Perfluorobutanesulfonic acid (PFBS)
1633	1633 Shake	Solid	Perfluorodecanesulfonic acid (PFDS)
1633	1633 Shake	Solid	Perfluorododecanesulfonic acid (PFDoS)
1633	1633 Shake	Solid	Perfluoroheptanesulfonic acid (PFHpS)

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date

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
1633	1633 Shake	Solid	Perfluorohexanesulfonic acid (PFHxS)
1633	1633 Shake	Solid	Perfluorononanesulfonic acid (PFNS)
1633	1633 Shake	Solid	Perfluorooctanesulfonamide (PFOSA)
1633	1633 Shake	Solid	Perfluoropentanesulfonic acid (PFPeS)

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-229901-1	RI-BH-1 Fill	Solid	06/03/25 08:19	06/03/25 16:55
480-229901-2	RI-BH-1 Native	Solid	06/03/25 08:19	06/03/25 16:55
480-229901-3	RI-BH-2 Fill	Solid	06/03/25 08:30	06/03/25 16:55
480-229901-4	RI-BH-2 Native	Solid	06/03/25 08:30	06/03/25 16:55
480-229901-5	RI-BH-8 Fill	Solid	06/03/25 08:45	06/03/25 16:55
480-229901-6	RI-BH-8 Native	Solid	06/03/25 08:45	06/03/25 16:55

Quantitation Limit Exceptions Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-229901-1

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

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
1633	Perfluorohexanoic acid (PFHxA)	Solid	Total/NA	ng/g	0.040	0.2

[illegible]

Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Beninati, John		Carrier Tracking No(s): N/A		COC No: 480-92845.1							
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: John.Beninati@et.eurofinsus.com		State of Origin: New York		Page: Page 1 of 1							
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New York				Job #: 480-229901-1							
Address: 2425 New Holland Pike,		Due Date Requested: 6/9/2025		Analysis Requested						Preservation Codes: -					
City: Lancaster		TAT Requested (days): N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 1633_Final/1633_Shake_1g List of 40 based on EPA method Total Number of containers						Other: N/A					
State, Zip: PA, 17601		PO #: N/A													
Phone: 717-656-2300(Tel)		WO #: N/A													
Email: N/A		Project #: 48028797													
Project Name: 2nd & Washington Street		SSOW#: N/A													
Site: N/A															
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)							Special Instructions/Note:			
				Preservation Code:											
RI-BH-1 Fill (480-229901-1)		6/3/25	08:19 Eastern	G	Solid		X							1	
RI-BH-1 Native (480-229901-2)		6/3/25	08:19 Eastern	G	Solid		X							1	
RI-BH-2 Fill (480-229901-3)		6/3/25	08:30 Eastern	G	Solid		X							1	
RI-BH-2 Native (480-229901-4)		6/3/25	08:30 Eastern	G	Solid		X							1	
RI-BH-8 Fill (480-229901-5)		6/3/25	08:45 Eastern	G	Solid		X							1	
RI-BH-8 Native (480-229901-6)		6/3/25	08:45 Eastern	G	Solid		X							1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:							
Relinquished by:				Date/Time: 6-4-25 1600		Company:		Received by:				Date/Time:		Company:	
Relinquished by: _____				Date/Time:		Company:		Received by:				Date/Time:		Company:	
Relinquished by: _____				Date/Time:		Company:		Received by:				Date/Time: 6/5/25 0935		Company:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.0/1.8											

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-229901-1

Login Number: 229901

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	13.8 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	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-229901-1

Login Number: 229901

List Number: 2

Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/05/25 11:54 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Staub
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

Generated 8/14/2025 9:59:34 AM

JOB DESCRIPTION

2nd & Washington Street

JOB NUMBER

480-231654-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
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.

General Chemistry

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.

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

Eurofins Buffalo

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 2nd & Washington Street

Job ID: 480-231654-1

Job ID: 480-231654-1

Eurofins Buffalo

Job Narrative 480-231654-1

Receipt

The samples were received on 8/7/2025 3:00 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 was 5.0° C.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SS-1 (480-231654-1), SS-2 (480-231654-2), SS-4 (480-231654-4), SS-7 (480-231654-7) and SS-8 (480-231654-8). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SS-3 (480-231654-3). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

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

Metals

Method 6010D: The linear range check (LRC) standard recovery associated with 480-753990 is outside the acceptance criteria for the following analytes: Silver, Beryllium, Calcium, Iron, Manganese 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-753990 is outside the acceptance criteria for the following analytes: Silver, Beryllium, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-753990 is outside the acceptance criteria for the following analytes: Silver, Beryllium, Calcium, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-753990 is outside the acceptance criteria for the following analytes: Silver, Beryllium and Calcium. 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-753990 is outside the acceptance criteria for the following analytes: Silver, Beryllium, 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.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-754076 is outside the acceptance criteria for the following analytes: 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.

LCMS

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

General Chemistry

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

Organic Prep

Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-2 (480-231654-2), SS-6 (480-231654-6), SS-7 (480-231654-7) and SS-8 (480-231654-8).

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

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	490	J	930	150	ug/Kg	5	✱	8270D	Total/NA
Acenaphthylene	960		930	180	ug/Kg	5	✱	8270D	Total/NA
Anthracene	740	J	930	170	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	3600		930	130	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	3000		930	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	4000		930	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	2100		930	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	2800		930	210	ug/Kg	5	✱	8270D	Total/NA
Chrysene	3400		930	220	ug/Kg	5	✱	8270D	Total/NA
Dibenz(a,h)anthracene	680	J	930	190	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	6900		930	170	ug/Kg	5	✱	8270D	Total/NA
Fluorene	270	J	930	170	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1800		930	140	ug/Kg	5	✱	8270D	Total/NA
Naphthalene	320	J	930	150	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	3400		930	170	ug/Kg	5	✱	8270D	Total/NA
Pyrene	5400		930	180	ug/Kg	5	✱	8270D	Total/NA
Aluminum	10400		11.6	10	mg/Kg	1	✱	6010D	Total/NA
Arsenic	12.6		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	130		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.61	^5-	0.23	0.046	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.43		0.23	0.081	mg/Kg	1	✱	6010D	Total/NA
Calcium	1980	^5-	58.0	31.3	mg/Kg	1	✱	6010D	Total/NA
Chromium	22.5		0.58	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.6		0.58	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	35.8		1.2	0.66	mg/Kg	1	✱	6010D	Total/NA
Iron	22700		11.6	9.8	mg/Kg	1	✱	6010D	Total/NA
Lead	187		1.2	0.53	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2200		23.2	9.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	311		1.2	0.32	mg/Kg	1	✱	6010D	Total/NA
Nickel	26.9		5.8	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	1770		34.8	28.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	85.3	J	162	71.1	mg/Kg	1	✱	6010D	Total/NA
Vanadium	20.9		0.58	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	142	^5-	2.3	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.12		0.022	0.0051	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	1300		880	140	ug/Kg	5	✱	8270D	Total/NA
Acenaphthylene	180	J	880	170	ug/Kg	5	✱	8270D	Total/NA
Anthracene	160	J	880	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	800	J	880	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	910		880	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	1400		880	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	680	J	880	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	480	J	880	200	ug/Kg	5	✱	8270D	Total/NA
Chrysene	1200		880	210	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	330	J	880	150	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	1600		880	160	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	590	J	880	130	ug/Kg	5	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2 (Continued)

Lab Sample ID: 480-231654-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	910		880	150	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	1400		880	160	ug/Kg	5	✱	8270D	Total/NA
Pyrene	1400		880	170	ug/Kg	5	✱	8270D	Total/NA
alpha-BHC	15	J	70	13	ug/Kg	20	✱	8081B	Total/NA
Endrin	29	J	70	14	ug/Kg	20	✱	8081B	Total/NA
Perfluorooctanoic acid (PFOA)	0.078	J	0.20	0.059	ng/g	1	✱	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.089	J	0.20	0.059	ng/g	1	✱	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.20	0.049	ng/g	1	✱	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.22		0.20	0.049	ng/g	1	✱	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.12	J	0.20	0.049	ng/g	1	✱	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.087	J	0.20	0.069	ng/g	1	✱	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.37		0.20	0.11	ng/g	1	✱	1633	Total/NA
Aluminum	9650		10.5	9.0	mg/Kg	1	✱	6010D	Total/NA
Arsenic	12.7		2.1	0.92	mg/Kg	1	✱	6010D	Total/NA
Barium	135		0.52	0.15	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.55	^5-	0.21	0.042	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.56		0.21	0.073	mg/Kg	1	✱	6010D	Total/NA
Calcium	21500		52.4	28.3	mg/Kg	1	✱	6010D	Total/NA
Chromium	39.8		0.52	0.38	mg/Kg	1	✱	6010D	Total/NA
Cobalt	6.5		0.52	0.10	mg/Kg	1	✱	6010D	Total/NA
Copper	50.4		1.0	0.60	mg/Kg	1	✱	6010D	Total/NA
Iron	39000		10.5	8.9	mg/Kg	1	✱	6010D	Total/NA
Lead	209		1.0	0.48	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1880		21.0	8.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	1710		1.0	0.29	mg/Kg	1	✱	6010D	Total/NA
Nickel	82.6		5.2	0.26	mg/Kg	1	✱	6010D	Total/NA
Potassium	1290		31.4	25.4	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.8	J	4.2	0.84	mg/Kg	1	✱	6010D	Total/NA
Silver	0.28	J ^5-	0.63	0.21	mg/Kg	1	✱	6010D	Total/NA
Sodium	182		147	64.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	31.2		0.52	0.14	mg/Kg	1	✱	6010D	Total/NA
Zinc	175	^5-	2.1	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.049		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA
Cyanide, Total	2.2		0.93	0.45	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biphenyl	90	J	180	35	ug/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	950		180	29	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	1000		180	34	ug/Kg	1	✱	8270D	Total/NA
Acenaphthylene	140	J	180	35	ug/Kg	1	✱	8270D	Total/NA
Acetophenone	83	J	180	32	ug/Kg	1	✱	8270D	Total/NA
Anthracene	2100		180	34	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	4300		180	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	3600		180	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	4500		180	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	2800		180	32	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	2400		180	41	ug/Kg	1	✱	8270D	Total/NA
Carbazole	1700		180	36	ug/Kg	1	✱	8270D	Total/NA
Chrysene	4100		180	44	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-3 (Continued)

Lab Sample ID: 480-231654-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	780		180	37	ug/Kg	1		✱	8270D	Total/NA
Dibenzofuran	720		180	32	ug/Kg	1		✱	8270D	Total/NA
Fluoranthene	10000	E	180	33	ug/Kg	1		✱	8270D	Total/NA
Fluorene	820		180	34	ug/Kg	1		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2300		180	27	ug/Kg	1		✱	8270D	Total/NA
Naphthalene	610		180	31	ug/Kg	1		✱	8270D	Total/NA
Phenanthrene	10000	E	180	34	ug/Kg	1		✱	8270D	Total/NA
Pyrene	8100	E	180	35	ug/Kg	1		✱	8270D	Total/NA
2-Methylnaphthalene - DL	950		920	140	ug/Kg	5		✱	8270D	Total/NA
Acenaphthene - DL	890	J	920	170	ug/Kg	5		✱	8270D	Total/NA
Anthracene - DL	2000		920	170	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]anthracene - DL	4300		920	130	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]pyrene - DL	3500		920	160	ug/Kg	5		✱	8270D	Total/NA
Benzo[b]fluoranthene - DL	4400		920	120	ug/Kg	5		✱	8270D	Total/NA
Benzo[g,h,i]perylene - DL	2700		920	160	ug/Kg	5		✱	8270D	Total/NA
Benzo[k]fluoranthene - DL	3100		920	210	ug/Kg	5		✱	8270D	Total/NA
Carbazole - DL	1600		920	180	ug/Kg	5		✱	8270D	Total/NA
Chrysene - DL	4200		920	220	ug/Kg	5		✱	8270D	Total/NA
Dibenzofuran - DL	650	J	920	160	ug/Kg	5		✱	8270D	Total/NA
Fluoranthene - DL	11000		920	170	ug/Kg	5		✱	8270D	Total/NA
Fluorene - DL	900	J	920	170	ug/Kg	5		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	2300		920	140	ug/Kg	5		✱	8270D	Total/NA
Phenanthrene - DL	10000		920	170	ug/Kg	5		✱	8270D	Total/NA
Pyrene - DL	8700		920	170	ug/Kg	5		✱	8270D	Total/NA
Aluminum	9290		11.6	10.0	mg/Kg	1		✱	6010D	Total/NA
Arsenic	15.7		2.3	1.0	mg/Kg	1		✱	6010D	Total/NA
Barium	80.8		0.58	0.16	mg/Kg	1		✱	6010D	Total/NA
Beryllium	0.55	^5-	0.23	0.047	mg/Kg	1		✱	6010D	Total/NA
Cadmium	0.35		0.23	0.082	mg/Kg	1		✱	6010D	Total/NA
Calcium	2280	^5-	58.2	31.4	mg/Kg	1		✱	6010D	Total/NA
Chromium	23.5		0.58	0.42	mg/Kg	1		✱	6010D	Total/NA
Cobalt	9.6		0.58	0.12	mg/Kg	1		✱	6010D	Total/NA
Copper	52.3		1.2	0.66	mg/Kg	1		✱	6010D	Total/NA
Iron	47100		11.6	9.9	mg/Kg	1		✱	6010D	Total/NA
Lead	96.4		1.2	0.54	mg/Kg	1		✱	6010D	Total/NA
Magnesium	1940		23.3	9.9	mg/Kg	1		✱	6010D	Total/NA
Manganese	384		1.2	0.33	mg/Kg	1		✱	6010D	Total/NA
Nickel	29.1		5.8	0.29	mg/Kg	1		✱	6010D	Total/NA
Potassium	1630		34.9	28.2	mg/Kg	1		✱	6010D	Total/NA
Vanadium	18.9		0.58	0.15	mg/Kg	1		✱	6010D	Total/NA
Zinc	119	^5-	2.3	1.2	mg/Kg	1		✱	6010D	Total/NA
Mercury	0.21		0.023	0.0053	mg/Kg	1		✱	7471B	Total/NA
Cyanide, Total	2.2		1.0	0.49	mg/Kg	1		✱	9012B	Total/NA

Client Sample ID: SS-4

Lab Sample ID: 480-231654-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	750	J	910	140	ug/Kg	5		✱	8270D	Total/NA
Acenaphthylene	190	J	910	170	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]anthracene	820	J	910	130	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]pyrene	890	J	910	150	ug/Kg	5		✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-4 (Continued)

Lab Sample ID: 480-231654-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	1300		910	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	770	J	910	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	710	J	910	200	ug/Kg	5	✱	8270D	Total/NA
Chrysene	1100		910	220	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	160	J	910	160	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	1600		910	170	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	630	J	910	140	ug/Kg	5	✱	8270D	Total/NA
Naphthalene	500	J	910	150	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	1000		910	170	ug/Kg	5	✱	8270D	Total/NA
Pyrene	1500		910	170	ug/Kg	5	✱	8270D	Total/NA
Aluminum	9330		11.5	9.9	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.6		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	117		0.57	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.60	^5-	0.23	0.046	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.50		0.23	0.080	mg/Kg	1	✱	6010D	Total/NA
Calcium	5090	^5-	57.4	31.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	20.1		0.57	0.41	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.9		0.57	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	53.6		1.1	0.65	mg/Kg	1	✱	6010D	Total/NA
Iron	28000		11.5	9.7	mg/Kg	1	✱	6010D	Total/NA
Lead	206		1.1	0.53	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2160		23.0	9.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	423		1.1	0.32	mg/Kg	1	✱	6010D	Total/NA
Nickel	24.4		5.7	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	1710		34.4	27.8	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.1	J	4.6	0.92	mg/Kg	1	✱	6010D	Total/NA
Sodium	87.0	J	161	70.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	21.1		0.57	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	177	^5-	2.3	1.2	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.21		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA
Cyanide, Total	0.69	J	1.0	0.51	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: SS-5

Lab Sample ID: 480-231654-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	11900		11.8	10.2	mg/Kg	1	✱	6010D	Total/NA
Arsenic	10.5		2.4	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	137		0.59	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.60	^5-	0.24	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.48		0.24	0.083	mg/Kg	1	✱	6010D	Total/NA
Calcium	3360	^5-	59.2	31.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	22.7		0.59	0.43	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.6		0.59	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	36.6		1.2	0.67	mg/Kg	1	✱	6010D	Total/NA
Iron	22800		11.8	10.0	mg/Kg	1	✱	6010D	Total/NA
Lead	276		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2570		23.7	10.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	272		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	25.3		5.9	0.30	mg/Kg	1	✱	6010D	Total/NA
Potassium	2300		35.5	28.7	mg/Kg	1	✱	6010D	Total/NA
Sodium	79.0	J	166	72.5	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-5 (Continued)

Lab Sample ID: 480-231654-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Vanadium	22.5		0.59	0.15	mg/Kg	1	✱		6010D	Total/NA
Zinc	285	^5-	11.8	6.0	mg/Kg	5	✱		6010D	Total/NA
Mercury	0.39		0.024	0.0054	mg/Kg	1	✱		7471B	Total/NA
Cyanide, Total	0.54	J	1.1	0.53	mg/Kg	1	✱		9012B	Total/NA

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	73	J	170	23	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]pyrene	110	J	170	29	ug/Kg	1	✱		8270D	Total/NA
Benzo[b]fluoranthene	180		170	23	ug/Kg	1	✱		8270D	Total/NA
Benzo[g,h,i]perylene	98	J	170	30	ug/Kg	1	✱		8270D	Total/NA
Benzo[k]fluoranthene	61	J	170	38	ug/Kg	1	✱		8270D	Total/NA
Chrysene	130	J	170	41	ug/Kg	1	✱		8270D	Total/NA
Fluoranthene	210		170	31	ug/Kg	1	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	88	J	170	25	ug/Kg	1	✱		8270D	Total/NA
Pyrene	180		170	32	ug/Kg	1	✱		8270D	Total/NA
4,4'-DDT	14	J	34	7.8	ug/Kg	10	✱		8081B	Total/NA
Endrin	14	J	34	6.6	ug/Kg	10	✱		8081B	Total/NA
Perfluorononanoic acid (PFNA)	0.062	J	0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.050	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.25		0.20	0.11	ng/g	1	✱		1633	Total/NA
Aluminum	6170		10.8	9.3	mg/Kg	1	✱		6010D	Total/NA
Arsenic	6.2		2.2	0.95	mg/Kg	1	✱		6010D	Total/NA
Barium	39.3		0.54	0.15	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.30	^5-	0.22	0.043	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.35		0.22	0.075	mg/Kg	1	✱		6010D	Total/NA
Calcium	41000		53.8	29.0	mg/Kg	1	✱		6010D	Total/NA
Chromium	15.1		0.54	0.39	mg/Kg	1	✱		6010D	Total/NA
Cobalt	5.7		0.54	0.11	mg/Kg	1	✱		6010D	Total/NA
Copper	18.2		1.1	0.61	mg/Kg	1	✱		6010D	Total/NA
Iron	18200		10.8	9.1	mg/Kg	1	✱		6010D	Total/NA
Lead	21.7		1.1	0.49	mg/Kg	1	✱		6010D	Total/NA
Magnesium	8860		21.5	9.1	mg/Kg	1	✱		6010D	Total/NA
Manganese	445		1.1	0.30	mg/Kg	1	✱		6010D	Total/NA
Nickel	22.5		5.4	0.27	mg/Kg	1	✱		6010D	Total/NA
Potassium	1210		32.3	26.1	mg/Kg	1	✱		6010D	Total/NA
Sodium	96.7	J	151	65.9	mg/Kg	1	✱		6010D	Total/NA
Vanadium	15.9		0.54	0.14	mg/Kg	1	✱		6010D	Total/NA
Zinc	118	^5-	2.2	1.1	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.011	J	0.021	0.0049	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	590	J	910	140	ug/Kg	5	✱		8270D	Total/NA
Anthracene	260	J	910	170	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]anthracene	710	J	910	120	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]pyrene	840	J	910	150	ug/Kg	5	✱		8270D	Total/NA
Benzo[b]fluoranthene	1100		910	120	ug/Kg	5	✱		8270D	Total/NA
Benzo[g,h,i]perylene	700	J	910	160	ug/Kg	5	✱		8270D	Total/NA
Benzo[k]fluoranthene	610	J	910	200	ug/Kg	5	✱		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7 (Continued)

Lab Sample ID: 480-231654-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chrysene	840	J	910	220	ug/Kg	5	✱		8270D	Total/NA
Fluoranthene	1700		910	160	ug/Kg	5	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	540	J	910	130	ug/Kg	5	✱		8270D	Total/NA
Phenanthrene	1100		910	170	ug/Kg	5	✱		8270D	Total/NA
Pyrene	1400		910	170	ug/Kg	5	✱		8270D	Total/NA
4,4'-DDT	16	J	36	8.3	ug/Kg	10	✱		8081B	Total/NA
Endrin	13	J	36	7.0	ug/Kg	10	✱		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.25	J	0.39	0.13	ng/g	1	✱		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.11	J	0.20	0.069	ng/g	1	✱		1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.38		0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.22		0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.11	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.11	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.89		0.20	0.11	ng/g	1	✱		1633	Total/NA
Aluminum	11800		11.2	9.6	mg/Kg	1	✱		6010D	Total/NA
Arsenic	8.4		2.2	0.98	mg/Kg	1	✱		6010D	Total/NA
Barium	127		0.56	0.16	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.67	^5-	0.22	0.045	mg/Kg	1	✱		6010D	Total/NA
Cadmium	2.7		0.22	0.078	mg/Kg	1	✱		6010D	Total/NA
Calcium	17900		55.9	30.2	mg/Kg	1	✱		6010D	Total/NA
Chromium	19.2		0.56	0.40	mg/Kg	1	✱		6010D	Total/NA
Cobalt	6.6		0.56	0.11	mg/Kg	1	✱		6010D	Total/NA
Copper	36.6		1.1	0.64	mg/Kg	1	✱		6010D	Total/NA
Iron	30900		11.2	9.5	mg/Kg	1	✱		6010D	Total/NA
Lead	208		1.1	0.51	mg/Kg	1	✱		6010D	Total/NA
Magnesium	1670		22.4	9.5	mg/Kg	1	✱		6010D	Total/NA
Manganese	1280		1.1	0.31	mg/Kg	1	✱		6010D	Total/NA
Nickel	22.4		5.6	0.28	mg/Kg	1	✱		6010D	Total/NA
Potassium	1920		33.5	27.1	mg/Kg	1	✱		6010D	Total/NA
Selenium	1.5	J	4.5	0.89	mg/Kg	1	✱		6010D	Total/NA
Silver	0.24	J ^5-	0.67	0.22	mg/Kg	1	✱		6010D	Total/NA
Sodium	183		157	68.5	mg/Kg	1	✱		6010D	Total/NA
Vanadium	26.6		0.56	0.15	mg/Kg	1	✱		6010D	Total/NA
Zinc	178	^5-	2.2	1.1	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.18		0.022	0.0051	mg/Kg	1	✱		7471B	Total/NA
Cyanide, Total	5.1		1.1	0.51	mg/Kg	1	✱		9012B	Total/NA

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Anthracene	360	J	910	170	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]anthracene	560	J	910	120	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]pyrene	650	J	910	150	ug/Kg	5	✱		8270D	Total/NA
Benzo[b]fluoranthene	730	J	910	120	ug/Kg	5	✱		8270D	Total/NA
Benzo[g,h,i]perylene	400	J	910	160	ug/Kg	5	✱		8270D	Total/NA
Benzo[k]fluoranthene	380	J	910	200	ug/Kg	5	✱		8270D	Total/NA
Chrysene	680	J	910	220	ug/Kg	5	✱		8270D	Total/NA
Fluoranthene	1500		910	170	ug/Kg	5	✱		8270D	Total/NA
Fluorene	170	J	910	170	ug/Kg	5	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	370	J	910	140	ug/Kg	5	✱		8270D	Total/NA
Phenanthrene	1300		910	170	ug/Kg	5	✱		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8 (Continued)

Lab Sample ID: 480-231654-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Pyrene	1100		910	170	ug/Kg	5	✱		8270D	Total/NA
4,4'-DDD	7.1	J	35	6.9	ug/Kg	10	✱		8081B	Total/NA
4,4'-DDE	15	J	35	7.4	ug/Kg	10	✱		8081B	Total/NA
4,4'-DDT	15	J	35	8.3	ug/Kg	10	✱		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.18	J	0.39	0.13	ng/g	1	✱		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	0.059	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.10	J	0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.099	J	0.20	0.069	ng/g	1	✱		1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.17	J	0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.16	J	0.20	0.059	ng/g	1	✱		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.061	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.052	J	0.20	0.049	ng/g	1	✱		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.28		0.20	0.11	ng/g	1	✱		1633	Total/NA
Aluminum	12800		10.4	9.0	mg/Kg	1	✱		6010D	Total/NA
Arsenic	13.9		2.1	0.92	mg/Kg	1	✱		6010D	Total/NA
Barium	200		0.52	0.15	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.64	^5-	0.21	0.042	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.41		0.21	0.073	mg/Kg	1	✱		6010D	Total/NA
Calcium	4650		52.1	28.1	mg/Kg	1	✱		6010D	Total/NA
Chromium	19.8		0.52	0.38	mg/Kg	1	✱		6010D	Total/NA
Cobalt	9.5		0.52	0.10	mg/Kg	1	✱		6010D	Total/NA
Copper	43.8		1.0	0.59	mg/Kg	1	✱		6010D	Total/NA
Iron	26700		10.4	8.8	mg/Kg	1	✱		6010D	Total/NA
Lead	353		1.0	0.48	mg/Kg	1	✱		6010D	Total/NA
Magnesium	2520		20.9	8.8	mg/Kg	1	✱		6010D	Total/NA
Manganese	648		1.0	0.29	mg/Kg	1	✱		6010D	Total/NA
Nickel	25.2		5.2	0.26	mg/Kg	1	✱		6010D	Total/NA
Potassium	2280		31.3	25.3	mg/Kg	1	✱		6010D	Total/NA
Selenium	0.95	J	4.2	0.83	mg/Kg	1	✱		6010D	Total/NA
Silver	0.24	J ^5-	0.63	0.21	mg/Kg	1	✱		6010D	Total/NA
Sodium	110	J	146	63.9	mg/Kg	1	✱		6010D	Total/NA
Vanadium	26.2		0.52	0.14	mg/Kg	1	✱		6010D	Total/NA
Zinc	168	^5-	2.1	1.1	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.59		0.022	0.0051	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: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
bis (2-chloroisopropyl) ether	ND		930	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4,5-Trichlorophenol	ND		930	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4,6-Trichlorophenol	ND		930	140	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4-Dichlorophenol	ND		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4-Dimethylphenol	ND		930	200	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4-Dinitrophenol	ND		9100	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,4-Dinitrotoluene	ND		930	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2,6-Dinitrotoluene	ND		930	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Chloronaphthalene	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Chlorophenol	ND		930	150	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Methylnaphthalene	490	J	930	150	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Methylphenol	ND		930	150	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Nitroaniline	ND		1800	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
2-Nitrophenol	ND		930	110	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
3,3'-Dichlorobenzidine	ND		1800	270	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
3-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4,6-Dinitro-2-methylphenol	ND		1800	200	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Bromophenyl phenyl ether	ND		930	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Chloro-3-methylphenol	ND		930	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Chloroaniline	ND		930	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Chlorophenyl phenyl ether	ND		930	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Methylphenol	ND		1800	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Nitroaniline	ND		1800	140	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
4-Nitrophenol	ND		1800	250	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Acenaphthene	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Acenaphthylene	960		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Acetophenone	ND		930	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Anthracene	740	J	930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Atrazine	ND		930	310	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzaldehyde	ND		930	710	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzo[a]anthracene	3600		930	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzo[a]pyrene	3000		930	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzo[b]fluoranthene	4000		930	120	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzo[g,h,i]perylene	2100		930	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Benzo[k]fluoranthene	2800		930	210	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Bis(2-chloroethoxy)methane	ND		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Bis(2-chloroethyl)ether	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Bis(2-ethylhexyl) phthalate	ND		930	200	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Butyl benzyl phthalate	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Caprolactam	ND		930	210	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Carbazole	ND		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Chrysene	3400		930	220	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Dibenz(a,h)anthracene	680	J	930	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Dibenzofuran	ND		930	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Diethyl phthalate	ND		930	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Dimethyl phthalate	ND		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Di-n-butyl phthalate	ND		930	210	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5
Di-n-octyl phthalate	ND		930	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:29	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	6900		930	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Fluorene	270	J	930	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Hexachlorobenzene	ND		930	180	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Hexachlorobutadiene	ND		930	140	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Hexachlorocyclopentadiene	ND		1800	410	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Hexachloroethane	ND		930	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Indeno[1,2,3-cd]pyrene	1800		930	140	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Isophorone	ND		930	190	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Naphthalene	320	J	930	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Nitrobenzene	ND		930	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
N-Nitrosodi-n-propylamine	ND		930	210	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
N-Nitrosodiphenylamine	ND		930	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Pentachlorophenol	ND		1800	300	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Phenanthrene	3400		930	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Phenol	ND		930	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5
Pyrene	5400		930	180	ug/Kg	☼	08/08/25 13:44	08/11/25 12:29	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	32000	T J	ug/Kg	☼	1.96	N/A	08/08/25 13:44	08/11/25 12:29	5
Unknown	2000	T J	ug/Kg	☼	3.48	N/A	08/08/25 13:44	08/11/25 12:29	5
1,4-Naphthalenedione, 5-hydroxy-	2400	T J N	ug/Kg	☼	9.43	481-39-0	08/08/25 13:44	08/11/25 12:29	5
Unknown	2500	T J	ug/Kg	☼	11.49	N/A	08/08/25 13:44	08/11/25 12:29	5
Pyrene, 1-methyl-	1700	T J N	ug/Kg	☼	12.54	2381-21-7	08/08/25 13:44	08/11/25 12:29	5
Unknown	1500	T J	ug/Kg	☼	13.72	N/A	08/08/25 13:44	08/11/25 12:29	5
1,1'-Bicyclopentyl, 2-hexadecyl-	2400	T J N	ug/Kg	☼	14.08	55334-11-7	08/08/25 13:44	08/11/25 12:29	5
Cyclohexadecane	6600	T J N	ug/Kg	☼	14.23	295-65-8	08/08/25 13:44	08/11/25 12:29	5
Unknown	2400	T J	ug/Kg	☼	14.36	N/A	08/08/25 13:44	08/11/25 12:29	5
Unknown	1900	T J	ug/Kg	☼	14.74	N/A	08/08/25 13:44	08/11/25 12:29	5
Unknown	2000	T J	ug/Kg	☼	15.66	N/A	08/08/25 13:44	08/11/25 12:29	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		22 - 120	08/08/25 13:44	08/11/25 12:29	5
p-Terphenyl-d14 (Surr)	70		28 - 124	08/08/25 13:44	08/11/25 12:29	5
Phenol-d5 (Surr)	65		23 - 120	08/08/25 13:44	08/11/25 12:29	5
2-Fluorophenol (Surr)	76		18 - 120	08/08/25 13:44	08/11/25 12:29	5
2,4,6-Tribromophenol (Surr)	80		10 - 140	08/08/25 13:44	08/11/25 12:29	5
2-Fluorobiphenyl (Surr)	73		29 - 120	08/08/25 13:44	08/11/25 12:29	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10400		11.6	10	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Antimony	ND		17.4	0.61	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Arsenic	12.6		2.3	1.0	mg/Kg	☼	08/11/25 09:52	08/12/25 11:16	1
Barium	130		0.58	0.16	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Beryllium	0.61	^5-	0.23	0.046	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Cadmium	0.43		0.23	0.081	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Calcium	1980	^5-	58.0	31.3	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Chromium	22.5		0.58	0.42	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Cobalt	8.6		0.58	0.12	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1
Copper	35.8		1.2	0.66	mg/Kg	☼	08/11/25 09:52	08/11/25 20:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	22700		11.6	9.8	mg/Kg	✱	08/11/25 09:52	08/12/25 11:16	1
Lead	187		1.2	0.53	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Magnesium	2200		23.2	9.8	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Manganese	311		1.2	0.32	mg/Kg	✱	08/11/25 09:52	08/12/25 11:16	1
Nickel	26.9		5.8	0.29	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Potassium	1770		34.8	28.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Selenium	ND		4.6	0.93	mg/Kg	✱	08/11/25 09:52	08/12/25 11:16	1
Silver	ND	^5-	0.70	0.23	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Sodium	85.3	J	162	71.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Thallium	ND		7.0	0.88	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Vanadium	20.9		0.58	0.15	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1
Zinc	142	^5-	2.3	1.2	mg/Kg	✱	08/11/25 09:52	08/11/25 20:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.022	0.0051	mg/Kg	✱	08/11/25 09:57	08/11/25 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.51	mg/Kg	✱	08/12/25 12:50	08/12/25 18:38	1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		880	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
bis (2-chloroisopropyl) ether	ND		880	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4,5-Trichlorophenol	ND		880	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4,6-Trichlorophenol	ND		880	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4-Dichlorophenol	ND		880	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4-Dimethylphenol	ND		880	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4-Dinitrophenol	ND		8600	170	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,4-Dinitrotoluene	ND		880	120	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2,6-Dinitrotoluene	ND		880	120	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Chloronaphthalene	ND		880	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Chlorophenol	ND		880	140	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Methylnaphthalene	1300		880	140	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Methylphenol	ND		880	140	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Nitroaniline	ND		1700	150	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
2-Nitrophenol	ND		880	99	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
3,3'-Dichlorobenzidine	ND		1700	260	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
3-Nitroaniline	ND		1700	120	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4,6-Dinitro-2-methylphenol	ND		1700	190	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4-Bromophenyl phenyl ether	ND		880	150	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4-Chloro-3-methylphenol	ND		880	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4-Chloroaniline	ND		880	130	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4-Chlorophenyl phenyl ether	ND		880	180	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5
4-Methylphenol	ND		1700	160	ug/Kg	✱	08/08/25 13:44	08/11/25 12:53	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1700	130	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
4-Nitrophenol	ND		1700	240	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Acenaphthene	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Acenaphthylene	180	J	880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Acetophenone	ND		880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Anthracene	160	J	880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Atrazine	ND		880	300	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzaldehyde	ND		880	670	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzo[a]anthracene	800	J	880	120	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzo[a]pyrene	910		880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzo[b]fluoranthene	1400		880	120	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzo[g,h,i]perylene	680	J	880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Benzo[k]fluoranthene	480	J	880	200	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Bis(2-chloroethoxy)methane	ND		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Bis(2-chloroethyl)ether	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Bis(2-ethylhexyl) phthalate	ND		880	190	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Butyl benzyl phthalate	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Caprolactam	ND		880	200	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Carbazole	ND		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Chrysene	1200		880	210	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Dibenz(a,h)anthracene	ND		880	180	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Dibenzofuran	330	J	880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Diethyl phthalate	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Dimethyl phthalate	ND		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Di-n-butyl phthalate	ND		880	200	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Di-n-octyl phthalate	ND		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Fluoranthene	1600		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Fluorene	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Hexachlorobenzene	ND		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Hexachlorobutadiene	ND		880	130	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Hexachlorocyclopentadiene	ND		1700	380	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Hexachloroethane	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Indeno[1,2,3-cd]pyrene	590	J	880	130	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Isophorone	ND		880	180	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Naphthalene	910		880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Nitrobenzene	ND		880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
N-Nitrosodi-n-propylamine	ND		880	200	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
N-Nitrosodiphenylamine	ND		880	150	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Pentachlorophenol	ND		1700	280	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Phenanthrene	1400		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Phenol	ND		880	160	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5
Pyrene	1400		880	170	ug/Kg	☼	08/08/25 13:44	08/11/25 12:53	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2800	T J	ug/Kg	☼	3.48	N/A	08/08/25 13:44	08/11/25 12:53	5
Bicyclo[4.4.1]undeca-1,3,5,7,9-pentene	1500	T J N	ug/Kg	☼	8.19	2443-46-1	08/08/25 13:44	08/11/25 12:53	5
Unknown	1500	T J	ug/Kg	☼	9.03	N/A	08/08/25 13:44	08/11/25 12:53	5
Unknown	3000	T J	ug/Kg	☼	14.23	N/A	08/08/25 13:44	08/11/25 12:53	5
Unknown	1500	T J	ug/Kg	☼	15.67	N/A	08/08/25 13:44	08/11/25 12:53	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		22 - 120	08/08/25 13:44	08/11/25 12:53	5
p-Terphenyl-d14 (Surr)	91		28 - 124	08/08/25 13:44	08/11/25 12:53	5
Phenol-d5 (Surr)	78		23 - 120	08/08/25 13:44	08/11/25 12:53	5
2-Fluorophenol (Surr)	81		18 - 120	08/08/25 13:44	08/11/25 12:53	5
2,4,6-Tribromophenol (Surr)	101		10 - 140	08/08/25 13:44	08/11/25 12:53	5
2-Fluorobiphenyl (Surr)	79		29 - 120	08/08/25 13:44	08/11/25 12:53	5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		70	14	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
4,4'-DDE	ND		70	15	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
4,4'-DDT	ND		70	16	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
beta-BHC	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
cis-Chlordane	ND		70	35	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
alpha-BHC	15	J	70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Aldrin	ND		70	17	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
delta-BHC	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Dieldrin	ND		70	17	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endosulfan I	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endosulfan II	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endosulfan sulfate	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endrin	29	J	70	14	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endrin aldehyde	ND		70	18	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Endrin ketone	ND		70	17	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
gamma-BHC (Lindane)	ND		70	13	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
trans-Chlordane	ND		70	22	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Heptachlor	ND		70	15	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Heptachlor epoxide	ND		70	18	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Methoxychlor	ND		70	14	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20
Toxaphene	ND		700	410	ug/Kg	☆	08/11/25 08:17	08/12/25 14:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	227	S1+	45 - 120	08/11/25 08:17	08/12/25 14:59	20
DCB Decachlorobiphenyl	447	S1+	45 - 120	08/11/25 08:17	08/12/25 14:59	20
Tetrachloro-m-xylene	190	S1+	30 - 124	08/11/25 08:17	08/12/25 14:59	20
Tetrachloro-m-xylene	153	S1+	30 - 124	08/11/25 08:17	08/12/25 14:59	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1221	ND		0.25	0.048	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1232	ND		0.25	0.048	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1242	ND		0.25	0.048	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1248	ND		0.25	0.048	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1254	ND		0.25	0.11	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1
PCB-1260	ND		0.25	0.11	mg/Kg	☆	08/11/25 07:01	08/12/25 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57	S1-	60 - 154	08/11/25 07:01	08/12/25 11:29	1
Tetrachloro-m-xylene	51	S1-	60 - 154	08/11/25 07:01	08/12/25 11:29	1
DCB Decachlorobiphenyl	54	S1-	65 - 174	08/11/25 07:01	08/12/25 11:29	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55	S1-	65 - 174	08/11/25 07:01	08/12/25 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.12	0.12	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorooctanoic acid (PFOA)	0.078	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorononanoic acid (PFNA)	0.089	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorodecanoic acid (PFDA)	0.13	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluoroundecanoic acid (PFUnA)	0.22		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorododecanoic acid (PFDoA)	0.12	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorotridecanoic acid (PFTrDA)	0.087	J	0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorooctanesulfonic acid (PFOS)	0.37		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:02	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.088	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.079	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	08/11/25 16:41	08/14/25 01:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	90.2		8 - 130				08/11/25 16:41	08/14/25 01:02	1
13C5-PFPeA	100		35 - 130				08/11/25 16:41	08/14/25 01:02	1
13C5-PFHxA	96.1		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C4-PFHpA	92.8		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C8-PFOA	94.2		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C9-PFNA	97.8		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C6-PFDA	88.4		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C7-PFUnA	86.2		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C2-PFTeDA	107		20 - 130				08/11/25 16:41	08/14/25 01:02	1
13C3-PFBS	86.6		40 - 135				08/11/25 16:41	08/14/25 01:02	1
13C3-PFHxS	96.0		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C8-PFOS	91.5		40 - 130				08/11/25 16:41	08/14/25 01:02	1
13C8-PFOSA	80.7		40 - 130				08/11/25 16:41	08/14/25 01:02	1
d3-NMeFOSAA	110		40 - 135				08/11/25 16:41	08/14/25 01:02	1
d5-NEtFOSAA	107		40 - 150				08/11/25 16:41	08/14/25 01:02	1
13C2 4:2 FTS	310	*5+	40 - 165				08/11/25 16:41	08/14/25 01:02	1
13C2 6:2 FTS	231	*5+	40 - 215				08/11/25 16:41	08/14/25 01:02	1
13C2 8:2 FTS	265		40 - 275				08/11/25 16:41	08/14/25 01:02	1
13C3-HFPO-DA	80.8		40 - 130				08/11/25 16:41	08/14/25 01:02	1
D7-NMeFOSE	71.6		20 - 130				08/11/25 16:41	08/14/25 01:02	1
D9-NEtFOSE	49.4		15 - 130				08/11/25 16:41	08/14/25 01:02	1
d5-NEtPFOSA	74.0		10 - 130				08/11/25 16:41	08/14/25 01:02	1
d3-NMePFOSA	72.0		10 - 130				08/11/25 16:41	08/14/25 01:02	1
13C2 PFDoA	88.8		40 - 130				08/11/25 16:41	08/14/25 01:02	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9650		10.5	9.0	mg/Kg	☼	08/11/25 09:52	08/11/25 20:24	1
Antimony	ND		15.7	0.56	mg/Kg	☼	08/11/25 09:52	08/11/25 20:24	1
Arsenic	12.7		2.1	0.92	mg/Kg	☼	08/11/25 09:52	08/12/25 11:18	1
Barium	135		0.52	0.15	mg/Kg	☼	08/11/25 09:52	08/11/25 20:24	1
Beryllium	0.55	^5-	0.21	0.042	mg/Kg	☼	08/11/25 09:52	08/11/25 20:24	1
Cadmium	0.56		0.21	0.073	mg/Kg	☼	08/11/25 09:52	08/11/25 20:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	21500		52.4	28.3	mg/Kg	✱	08/11/25 09:52	08/12/25 11:18	1
Chromium	39.8		0.52	0.38	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Cobalt	6.5		0.52	0.10	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Copper	50.4		1.0	0.60	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Iron	39000		10.5	8.9	mg/Kg	✱	08/11/25 09:52	08/12/25 11:18	1
Lead	209		1.0	0.48	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Magnesium	1880		21.0	8.9	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Manganese	1710		1.0	0.29	mg/Kg	✱	08/11/25 09:52	08/12/25 11:18	1
Nickel	82.6		5.2	0.26	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Potassium	1290		31.4	25.4	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Selenium	1.8 J		4.2	0.84	mg/Kg	✱	08/11/25 09:52	08/12/25 11:18	1
Silver	0.28 J ^5-		0.63	0.21	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Sodium	182		147	64.3	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Thallium	ND		6.3	0.80	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Vanadium	31.2		0.52	0.14	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1
Zinc	175 ^5-		2.1	1.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.021	0.0049	mg/Kg	✱	08/11/25 09:57	08/11/25 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	2.2		0.93	0.45	mg/Kg	✱	08/12/25 12:50	08/12/25 18:39	1

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Date Collected: 08/07/25 10:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	90 J		180	35	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
bis (2-chloroisopropyl) ether	ND		180	38	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4,5-Trichlorophenol	ND		180	37	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4,6-Trichlorophenol	ND		180	28	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4-Dichlorophenol	ND		180	36	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4-Dimethylphenol	ND		180	39	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4-Dinitrophenol	ND		1800	35	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,4-Dinitrotoluene	ND		180	25	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Chloronaphthalene	ND		180	34	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Chlorophenol	ND		180	29	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Methylnaphthalene	950		180	29	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Methylphenol	ND		180	30	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Nitroaniline	ND		360	31	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
2-Nitrophenol	ND		180	21	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
3,3'-Dichlorobenzidine	ND		360	54	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
3-Nitroaniline	ND		360	26	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
4,6-Dinitro-2-methylphenol	ND		360	40	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1
4-Bromophenyl phenyl ether	ND		180	31	ug/Kg	✱	08/08/25 13:44	08/11/25 13:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Date Collected: 08/07/25 10:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		180	38	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
4-Chloroaniline	ND		180	26	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
4-Chlorophenyl phenyl ether	ND		180	39	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
4-Methylphenol	ND		360	33	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
4-Nitroaniline	ND		360	27	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
4-Nitrophenol	ND		360	50	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Acenaphthene	1000		180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Acenaphthylene	140	J	180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Acetophenone	83	J	180	32	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Anthracene	2100		180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Atrazine	ND		180	62	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzaldehyde	ND		180	140	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzo[a]anthracene	4300		180	25	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzo[a]pyrene	3600		180	31	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzo[b]fluoranthene	4500		180	25	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzo[g,h,i]perylene	2800		180	32	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Benzo[k]fluoranthene	2400		180	41	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Bis(2-chloroethoxy)methane	ND		180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Bis(2-chloroethyl)ether	ND		180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Bis(2-ethylhexyl) phthalate	ND		180	40	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Butyl benzyl phthalate	ND		180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Caprolactam	ND		180	43	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Carbazole	1700		180	36	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Chrysene	4100		180	44	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Dibenz(a,h)anthracene	780		180	37	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Dibenzofuran	720		180	32	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Diethyl phthalate	ND		180	33	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Dimethyl phthalate	ND		180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Di-n-butyl phthalate	ND		180	41	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Di-n-octyl phthalate	ND		180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Fluoranthene	10000	E	180	33	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Fluorene	820		180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Hexachlorobenzene	ND		180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Hexachlorobutadiene	ND		180	28	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Hexachlorocyclopentadiene	ND		360	80	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Hexachloroethane	ND		180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Indeno[1,2,3-cd]pyrene	2300		180	27	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Isophorone	ND		180	38	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Naphthalene	610		180	31	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Nitrobenzene	ND		180	31	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
N-Nitrosodi-n-propylamine	ND		180	41	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
N-Nitrosodiphenylamine	ND		180	31	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Pentachlorophenol	ND		360	59	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Phenanthrene	10000	E	180	34	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Phenol	ND		180	33	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1
Pyrene	8100	E	180	35	ug/Kg	☼	08/08/25 13:44	08/11/25 13:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	910	T J	ug/Kg	☼	2.74	N/A	08/08/25 13:44	08/11/25 13:18	1
Unknown	750	T J	ug/Kg	☼	3.25	N/A	08/08/25 13:44	08/11/25 13:18	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Date Collected: 08/07/25 10:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 90.7

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1800	T J	ug/Kg	⊛	3.48	N/A	08/08/25 13:44	08/11/25 13:18	1
1H-Indene, 1-ethylidene-	570	T J N	ug/Kg	⊛	8.19	2471-83-2	08/08/25 13:44	08/11/25 13:18	1
Naphthalene, 1,4-dimethyl-	550	T J N	ug/Kg	⊛	8.90	571-58-4	08/08/25 13:44	08/11/25 13:18	1
Naphthalene, 1,6-dimethyl-	740	T J N	ug/Kg	⊛	9.03	575-43-9	08/08/25 13:44	08/11/25 13:18	1
Unknown	560	T J	ug/Kg	⊛	11.50	N/A	08/08/25 13:44	08/11/25 13:18	1
Oxirane, heptadecyl-	1000	T J N	ug/Kg	⊛	14.08	67860-04-2	08/08/25 13:44	08/11/25 13:18	1
Unknown	3700	T J	ug/Kg	⊛	14.23	N/A	08/08/25 13:44	08/11/25 13:18	1
Perylene	1800	T J N	ug/Kg	⊛	14.36	198-55-0	08/08/25 13:44	08/11/25 13:18	1
Unknown	890	T J	ug/Kg	⊛	14.60	N/A	08/08/25 13:44	08/11/25 13:18	1
Hexadecane	880	T J N	ug/Kg	⊛	14.74	544-76-3	08/08/25 13:44	08/11/25 13:18	1
Z-5-Nonadecene	550	T J N	ug/Kg	⊛	14.77	1000131-11-8	08/08/25 13:44	08/11/25 13:18	1
Unknown	550	T J	ug/Kg	⊛	14.91	N/A	08/08/25 13:44	08/11/25 13:18	1
Unknown	700	T J	ug/Kg	⊛	15.19	N/A	08/08/25 13:44	08/11/25 13:18	1
Unknown	960	T J	ug/Kg	⊛	15.28	N/A	08/08/25 13:44	08/11/25 13:18	1
Unknown	580	T J	ug/Kg	⊛	15.46	N/A	08/08/25 13:44	08/11/25 13:18	1
Unknown	1300	T J	ug/Kg	⊛	15.67	N/A	08/08/25 13:44	08/11/25 13:18	1
N-[4-Amino-3-nitrophenyl]-N-nitroso-4-chlorobenzylamine	710	T J N	ug/Kg	⊛	15.76	1000213-60-7	08/08/25 13:44	08/11/25 13:18	1
1,2:4,5-Dibenzopyrene	640	T J N	ug/Kg	⊛	16.85	192-65-4	08/08/25 13:44	08/11/25 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		22 - 120				08/08/25 13:44	08/11/25 13:18	1
p-Terphenyl-d14 (Surr)	75		28 - 124				08/08/25 13:44	08/11/25 13:18	1
Phenol-d5 (Surr)	74		23 - 120				08/08/25 13:44	08/11/25 13:18	1
2-Fluorophenol (Surr)	70		18 - 120				08/08/25 13:44	08/11/25 13:18	1
2,4,6-Tribromophenol (Surr)	80		10 - 140				08/08/25 13:44	08/11/25 13:18	1
2-Fluorobiphenyl (Surr)	75		29 - 120				08/08/25 13:44	08/11/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		920	170	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
bis (2-chloroisopropyl) ether	ND		920	190	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4,5-Trichlorophenol	ND		920	190	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4,6-Trichlorophenol	ND		920	140	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4-Dichlorophenol	ND		920	180	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4-Dimethylphenol	ND		920	190	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4-Dinitrophenol	ND		9000	180	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,4-Dinitrotoluene	ND		920	130	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2,6-Dinitrotoluene	ND		920	130	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Chloronaphthalene	ND		920	170	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Chlorophenol	ND		920	140	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Methylnaphthalene	950		920	140	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Methylphenol	ND		920	150	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Nitroaniline	ND		1800	160	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
2-Nitrophenol	ND		920	100	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
3,3'-Dichlorobenzidine	ND		1800	270	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
3-Nitroaniline	ND		1800	130	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5
4,6-Dinitro-2-methylphenol	ND		1800	200	ug/Kg	⊛	08/08/25 13:44	08/12/25 14:53	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Date Collected: 08/07/25 10:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Chloro-3-methylphenol	ND		920	190	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Chloroaniline	ND		920	130	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Chlorophenyl phenyl ether	ND		920	190	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Methylphenol	ND		1800	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
4-Nitrophenol	ND		1800	250	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Acenaphthene	890	J	920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Acenaphthylene	ND		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Acetophenone	ND		920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Anthracene	2000		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Atrazine	ND		920	310	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzaldehyde	ND		920	700	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzo[a]anthracene	4300		920	130	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzo[a]pyrene	3500		920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzo[b]fluoranthene	4400		920	120	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzo[g,h,i]perylene	2700		920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Benzo[k]fluoranthene	3100		920	210	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Bis(2-chloroethoxy)methane	ND		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Bis(2-chloroethyl)ether	ND		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Bis(2-ethylhexyl) phthalate	ND		920	200	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Butyl benzyl phthalate	ND		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Caprolactam	ND		920	210	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Carbazole	1600		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Chrysene	4200		920	220	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Dibenz(a,h)anthracene	ND		920	190	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Dibenzofuran	650	J	920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Diethyl phthalate	ND		920	160	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Dimethyl phthalate	ND		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Di-n-butyl phthalate	ND		920	210	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Di-n-octyl phthalate	ND		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Fluoranthene	11000		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Fluorene	900	J	920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Hexachlorobenzene	ND		920	180	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Hexachlorobutadiene	ND		920	140	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Hexachlorocyclopentadiene	ND		1800	400	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Hexachloroethane	ND		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Indeno[1,2,3-cd]pyrene	2300		920	140	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Isophorone	ND		920	190	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Naphthalene	ND		920	150	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Nitrobenzene	ND		920	150	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
N-Nitrosodi-n-propylamine	ND		920	210	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
N-Nitrosodiphenylamine	ND		920	150	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Pentachlorophenol	ND		1800	290	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Phenanthrene	10000		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Phenol	ND		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5
Pyrene	8700		920	170	ug/Kg	✱	08/08/25 13:44	08/12/25 14:53	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1700	T J	ug/Kg	✱	3.48	N/A	08/08/25 13:44	08/12/25 14:53	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-3

Lab Sample ID: 480-231654-3

Date Collected: 08/07/25 10:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 90.7

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1500	T J	ug/Kg	⊛	11.42	N/A	08/08/25 13:44	08/12/25 14:53	5
Unknown	2600	T J	ug/Kg	⊛	11.49	N/A	08/08/25 13:44	08/12/25 14:53	5
Unknown	1600	T J	ug/Kg	⊛	11.69	N/A	08/08/25 13:44	08/12/25 14:53	5
Octadecanal	1700	T J N	ug/Kg	⊛	14.07	638-66-4	08/08/25 13:44	08/12/25 14:53	5
Unknown	7300	T J	ug/Kg	⊛	14.23	N/A	08/08/25 13:44	08/12/25 14:53	5
Benzo[e]pyrene	2500	T J N	ug/Kg	⊛	14.36	192-97-2	08/08/25 13:44	08/12/25 14:53	5
Unknown	1700	T J	ug/Kg	⊛	14.59	N/A	08/08/25 13:44	08/12/25 14:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		22 - 120	08/08/25 13:44	08/12/25 14:53	5
p-Terphenyl-d14 (Surr)	74		28 - 124	08/08/25 13:44	08/12/25 14:53	5
Phenol-d5 (Surr)	65		23 - 120	08/08/25 13:44	08/12/25 14:53	5
2-Fluorophenol (Surr)	69		18 - 120	08/08/25 13:44	08/12/25 14:53	5
2,4,6-Tribromophenol (Surr)	68		10 - 140	08/08/25 13:44	08/12/25 14:53	5
2-Fluorobiphenyl (Surr)	78		29 - 120	08/08/25 13:44	08/12/25 14:53	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9290		11.6	10.0	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Antimony	ND		17.5	0.62	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Arsenic	15.7		2.3	1.0	mg/Kg	⊛	08/11/25 09:52	08/12/25 11:19	1
Barium	80.8		0.58	0.16	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Beryllium	0.55	^5-	0.23	0.047	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Cadmium	0.35		0.23	0.082	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Calcium	2280	^5-	58.2	31.4	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Chromium	23.5		0.58	0.42	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Cobalt	9.6		0.58	0.12	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Copper	52.3		1.2	0.66	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Iron	47100		11.6	9.9	mg/Kg	⊛	08/11/25 09:52	08/12/25 11:19	1
Lead	96.4		1.2	0.54	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Magnesium	1940		23.3	9.9	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Manganese	384		1.2	0.33	mg/Kg	⊛	08/11/25 09:52	08/12/25 11:19	1
Nickel	29.1		5.8	0.29	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Potassium	1630		34.9	28.2	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Selenium	ND		4.7	0.93	mg/Kg	⊛	08/11/25 09:52	08/12/25 11:19	1
Silver	ND	^5-	0.70	0.23	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Sodium	ND		163	71.4	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Thallium	ND		7.0	0.89	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Vanadium	18.9		0.58	0.15	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1
Zinc	119	^5-	2.3	1.2	mg/Kg	⊛	08/11/25 09:52	08/11/25 20:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.023	0.0053	mg/Kg	⊛	08/11/25 09:57	08/11/25 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	2.2		1.0	0.49	mg/Kg	⊛	08/12/25 12:50	08/12/25 18:42	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-4

Lab Sample ID: 480-231654-4

Date Collected: 08/07/25 10:45

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
bis (2-chloroisopropyl) ether	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4,5-Trichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4,6-Trichlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4-Dichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4-Dimethylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4-Dinitrophenol	ND		8900	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,4-Dinitrotoluene	ND		910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2,6-Dinitrotoluene	ND		910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Chloronaphthalene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Chlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Methylnaphthalene	750	J	910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Methylphenol	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Nitroaniline	ND		1800	150	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
2-Nitrophenol	ND		910	100	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
3,3'-Dichlorobenzidine	ND		1800	270	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
3-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4,6-Dinitro-2-methylphenol	ND		1800	200	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Bromophenyl phenyl ether	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Chloro-3-methylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Chloroaniline	ND		910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Chlorophenyl phenyl ether	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Methylphenol	ND		1800	160	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
4-Nitrophenol	ND		1800	250	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Acenaphthene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Acenaphthylene	190	J	910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Acetophenone	ND		910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Anthracene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Atrazine	ND		910	310	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzaldehyde	ND		910	690	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzo[a]anthracene	820	J	910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzo[a]pyrene	890	J	910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzo[b]fluoranthene	1300		910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzo[g,h,i]perylene	770	J	910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Benzo[k]fluoranthene	710	J	910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Bis(2-chloroethoxy)methane	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Bis(2-chloroethyl)ether	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Bis(2-ethylhexyl) phthalate	ND		910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Butyl benzyl phthalate	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Caprolactam	ND		910	210	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Carbazole	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Chrysene	1100		910	220	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Dibenz(a,h)anthracene	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Dibenzofuran	160	J	910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Diethyl phthalate	ND		910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Dimethyl phthalate	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Di-n-butyl phthalate	ND		910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5
Di-n-octyl phthalate	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 13:43	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-4

Lab Sample ID: 480-231654-4

Date Collected: 08/07/25 10:45

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1600		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Fluorene	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Hexachlorobenzene	ND		910	180	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Hexachlorobutadiene	ND		910	140	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Hexachlorocyclopentadiene	ND		1800	400	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Hexachloroethane	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Indeno[1,2,3-cd]pyrene	630	J	910	140	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Isophorone	ND		910	190	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Naphthalene	500	J	910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Nitrobenzene	ND		910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
N-Nitrosodi-n-propylamine	ND		910	200	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
N-Nitrosodiphenylamine	ND		910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Pentachlorophenol	ND		1800	290	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Phenanthrene	1000		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Phenol	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5
Pyrene	1500		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 13:43	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1900	T J	ug/Kg	☼	3.48	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	1900	T J	ug/Kg	☼	12.62	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	2000	T J	ug/Kg	☼	12.81	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	1600	T J	ug/Kg	☼	13.72	N/A	08/08/25 13:44	08/11/25 13:43	5
Octadecanal	3600	T J N	ug/Kg	☼	14.07	638-66-4	08/08/25 13:44	08/11/25 13:43	5
17-Pentatriacontene	8700	T J N	ug/Kg	☼	14.23	6971-40-0	08/08/25 13:44	08/11/25 13:43	5
Unknown	2000	T J	ug/Kg	☼	14.59	N/A	08/08/25 13:44	08/11/25 13:43	5
Nonadecane	1800	T J N	ug/Kg	☼	14.73	629-92-5	08/08/25 13:44	08/11/25 13:43	5
Unknown	2800	T J	ug/Kg	☼	15.19	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	2800	T J	ug/Kg	☼	15.39	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	1800	T J	ug/Kg	☼	15.44	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	2400	T J	ug/Kg	☼	15.67	N/A	08/08/25 13:44	08/11/25 13:43	5
Unknown	1900	T J	ug/Kg	☼	15.92	N/A	08/08/25 13:44	08/11/25 13:43	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		22 - 120	08/08/25 13:44	08/11/25 13:43	5
p-Terphenyl-d14 (Surr)	73		28 - 124	08/08/25 13:44	08/11/25 13:43	5
Phenol-d5 (Surr)	70		23 - 120	08/08/25 13:44	08/11/25 13:43	5
2-Fluorophenol (Surr)	75		18 - 120	08/08/25 13:44	08/11/25 13:43	5
2,4,6-Tribromophenol (Surr)	82		10 - 140	08/08/25 13:44	08/11/25 13:43	5
2-Fluorobiphenyl (Surr)	77		29 - 120	08/08/25 13:44	08/11/25 13:43	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9330		11.5	9.9	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Antimony	ND		17.2	0.61	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Arsenic	9.6		2.3	1.0	mg/Kg	☼	08/11/25 09:52	08/12/25 11:21	1
Barium	117		0.57	0.16	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Beryllium	0.60	^5-	0.23	0.046	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Cadmium	0.50		0.23	0.080	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Calcium	5090	^5-	57.4	31.0	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1
Chromium	20.1		0.57	0.41	mg/Kg	☼	08/11/25 09:52	08/11/25 20:28	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-4

Lab Sample ID: 480-231654-4

Date Collected: 08/07/25 10:45

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	8.9		0.57	0.11	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Copper	53.6		1.1	0.65	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Iron	28000		11.5	9.7	mg/Kg	✱	08/11/25 09:52	08/12/25 11:21	1
Lead	206		1.1	0.53	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Magnesium	2160		23.0	9.7	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Manganese	423		1.1	0.32	mg/Kg	✱	08/11/25 09:52	08/12/25 11:21	1
Nickel	24.4		5.7	0.29	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Potassium	1710		34.4	27.8	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Selenium	1.1	J	4.6	0.92	mg/Kg	✱	08/11/25 09:52	08/12/25 11:21	1
Silver	ND	^5-	0.69	0.23	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Sodium	87.0	J	161	70.4	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Thallium	ND		6.9	0.87	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Vanadium	21.1		0.57	0.15	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1
Zinc	177	^5-	2.3	1.2	mg/Kg	✱	08/11/25 09:52	08/11/25 20:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.021	0.0049	mg/Kg	✱	08/11/25 09:57	08/11/25 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.69	J	1.0	0.51	mg/Kg	✱	08/12/25 12:50	08/12/25 18:42	1

Client Sample ID: SS-5

Lab Sample ID: 480-231654-5

Date Collected: 08/07/25 11:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 86.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11900		11.8	10.2	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Antimony	ND		17.7	0.63	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Arsenic	10.5		2.4	1.0	mg/Kg	✱	08/11/25 09:52	08/12/25 11:23	1
Barium	137		0.59	0.17	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Beryllium	0.60	^5-	0.24	0.047	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Cadmium	0.48		0.24	0.083	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Calcium	3360	^5-	59.2	31.9	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Chromium	22.7		0.59	0.43	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Cobalt	8.6		0.59	0.12	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Copper	36.6		1.2	0.67	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Iron	22800		11.8	10.0	mg/Kg	✱	08/11/25 09:52	08/12/25 11:23	1
Lead	276		1.2	0.54	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Magnesium	2570		23.7	10.0	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Manganese	272		1.2	0.33	mg/Kg	✱	08/11/25 09:52	08/12/25 11:23	1
Nickel	25.3		5.9	0.30	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Potassium	2300		35.5	28.7	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Selenium	ND		4.7	0.95	mg/Kg	✱	08/11/25 09:52	08/12/25 11:23	1
Silver	ND	^5-	0.71	0.24	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Sodium	79.0	J	166	72.5	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Thallium	ND		7.1	0.90	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1
Vanadium	22.5		0.59	0.15	mg/Kg	✱	08/11/25 09:52	08/11/25 20:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-5

Lab Sample ID: 480-231654-5

Date Collected: 08/07/25 11:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	285	^5-	11.8	6.0	mg/Kg	☆	08/11/25 09:52	08/12/25 14:38	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39		0.024	0.0054	mg/Kg	☆	08/11/25 09:57	08/11/25 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.54	J	1.1	0.53	mg/Kg	☆	08/12/25 12:50	08/12/25 18:43	1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4-Dichlorophenol	ND		170	33	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4-Dimethylphenol	ND		170	36	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Chloronaphthalene	ND		170	32	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Chlorophenol	ND		170	27	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Methylnaphthalene	ND		170	27	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Methylphenol	ND		170	27	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Nitroaniline	ND		330	29	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
2-Nitrophenol	ND		170	19	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
3-Nitroaniline	ND		330	24	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Chloroaniline	ND		170	24	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Methylphenol	ND		330	30	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Nitroaniline	ND		330	25	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
4-Nitrophenol	ND		330	46	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Acenaphthene	ND		170	31	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Acenaphthylene	ND		170	33	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Acetophenone	ND		170	30	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Anthracene	ND		170	31	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Atrazine	ND		170	57	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Benzaldehyde	ND		170	130	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Benzo[a]anthracene	73	J	170	23	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Benzo[a]pyrene	110	J	170	29	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1
Benzo[b]fluoranthene	180		170	23	ug/Kg	☆	08/08/25 13:44	08/11/25 14:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	98	J	170	30	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Benzo[k]fluoranthene	61	J	170	38	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Butyl benzyl phthalate	ND		170	31	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Caprolactam	ND		170	39	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Carbazole	ND		170	33	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Chrysene	130	J	170	41	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Dibenzofuran	ND		170	30	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Diethyl phthalate	ND		170	30	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Dimethyl phthalate	ND		170	33	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Di-n-butyl phthalate	ND		170	38	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Di-n-octyl phthalate	ND		170	32	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Fluoranthene	210		170	31	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Fluorene	ND		170	31	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Hexachlorobenzene	ND		170	33	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Hexachlorobutadiene	ND		170	25	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Hexachloroethane	ND		170	31	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Indeno[1,2,3-cd]pyrene	88	J	170	25	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Isophorone	ND		170	35	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Naphthalene	ND		170	28	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Nitrobenzene	ND		170	28	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Pentachlorophenol	ND		330	54	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Phenanthrene	ND		170	32	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Phenol	ND		170	31	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1
Pyrene	180		170	32	ug/Kg	☼	08/08/25 13:44	08/11/25 14:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	440	T J	ug/Kg	☼	1.74	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	4900	T J	ug/Kg	☼	1.99	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	310	T J	ug/Kg	☼	2.74	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	1600	T J	ug/Kg	☼	3.48	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	290	T J	ug/Kg	☼	10.23	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	360	T J	ug/Kg	☼	10.38	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	270	T J	ug/Kg	☼	13.19	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	340	T J	ug/Kg	☼	14.07	N/A	08/08/25 13:44	08/11/25 14:32	1
Cyclotetracosane	1600	T J N	ug/Kg	☼	14.23	297-03-0	08/08/25 13:44	08/11/25 14:32	1
1,19-Eicosadiene	680	T J N	ug/Kg	☼	14.59	14811-95-1	08/08/25 13:44	08/11/25 14:32	1
Octacosane	410	T J N	ug/Kg	☼	14.74	630-02-4	08/08/25 13:44	08/11/25 14:32	1
Unknown	430	T J	ug/Kg	☼	15.44	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	310	T J	ug/Kg	☼	15.93	N/A	08/08/25 13:44	08/11/25 14:32	1
Unknown	400	T J	ug/Kg	☼	16.22	N/A	08/08/25 13:44	08/11/25 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		22 - 120	08/08/25 13:44	08/11/25 14:32	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	78		28 - 124	08/08/25 13:44	08/11/25 14:32	1
Phenol-d5 (Surr)	72		23 - 120	08/08/25 13:44	08/11/25 14:32	1
2-Fluorophenol (Surr)	66		18 - 120	08/08/25 13:44	08/11/25 14:32	1
2,4,6-Tribromophenol (Surr)	81		10 - 140	08/08/25 13:44	08/11/25 14:32	1
2-Fluorobiphenyl (Surr)	79		29 - 120	08/08/25 13:44	08/11/25 14:32	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	6.5	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
4,4'-DDE	ND		34	7.0	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
4,4'-DDT	14	J	34	7.8	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
beta-BHC	ND		34	6.0	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
cis-Chlordane	ND		34	17	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
alpha-BHC	ND		34	6.0	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Aldrin	ND		34	8.2	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
delta-BHC	ND		34	6.2	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Dieldrin	ND		34	8.0	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endosulfan I	ND		34	6.4	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endosulfan II	ND		34	6.0	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endosulfan sulfate	ND		34	6.2	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endrin	14	J	34	6.6	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endrin aldehyde	ND		34	8.6	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Endrin ketone	ND		34	8.2	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
gamma-BHC (Lindane)	ND		34	6.1	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
trans-Chlordane	ND		34	11	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Heptachlor	ND		34	7.2	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Heptachlor epoxide	ND		34	8.6	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Methoxychlor	ND		34	6.8	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10
Toxaphene	ND		340	190	ug/Kg	✱	08/11/25 08:17	08/12/25 15:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		45 - 120	08/11/25 08:17	08/12/25 15:19	10
DCB Decachlorobiphenyl	504	S1+	45 - 120	08/11/25 08:17	08/12/25 15:19	10
Tetrachloro-m-xylene	93		30 - 124	08/11/25 08:17	08/12/25 15:19	10
Tetrachloro-m-xylene	120		30 - 124	08/11/25 08:17	08/12/25 15:19	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1221	ND		0.25	0.048	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1232	ND		0.25	0.048	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1242	ND		0.25	0.048	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1248	ND		0.25	0.048	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1254	ND		0.25	0.12	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1
PCB-1260	ND		0.25	0.12	mg/Kg	✱	08/11/25 07:01	08/12/25 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	08/11/25 07:01	08/12/25 11:47	1
Tetrachloro-m-xylene	106		60 - 154	08/11/25 07:01	08/12/25 11:47	1
DCB Decachlorobiphenyl	108		65 - 174	08/11/25 07:01	08/12/25 11:47	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		65 - 174	08/11/25 07:01	08/12/25 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorononanoic acid (PFNA)	0.062	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorodecanoic acid (PFDA)	0.050	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorooctanesulfonic acid (PFOS)	0.25		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.078	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:16	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.088	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.078	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	08/11/25 16:41	08/14/25 01:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	86.5		8 - 130	08/11/25 16:41	08/14/25 01:16	1
13C5-PFPeA	93.1		35 - 130	08/11/25 16:41	08/14/25 01:16	1
13C5-PFHxA	91.3		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C4-PFHpA	86.9		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C8-PFOA	92.3		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C9-PFNA	88.4		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C6-PFDA	83.6		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C7-PFUnA	81.7		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C2-PFTeDA	88.4		20 - 130	08/11/25 16:41	08/14/25 01:16	1
13C3-PFBS	87.8		40 - 135	08/11/25 16:41	08/14/25 01:16	1
13C3-PFHxS	89.6		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C8-PFOS	84.0		40 - 130	08/11/25 16:41	08/14/25 01:16	1
13C8-PFOSA	70.3		40 - 130	08/11/25 16:41	08/14/25 01:16	1
d3-NMeFOSAA	95.1		40 - 135	08/11/25 16:41	08/14/25 01:16	1
d5-NEtFOSAA	86.8		40 - 150	08/11/25 16:41	08/14/25 01:16	1
13C2 4:2 FTS	235	*5+	40 - 165	08/11/25 16:41	08/14/25 01:16	1
13C2 6:2 FTS	159		40 - 215	08/11/25 16:41	08/14/25 01:16	1
13C2 8:2 FTS	213		40 - 275	08/11/25 16:41	08/14/25 01:16	1
13C3-HFPO-DA	76.9		40 - 130	08/11/25 16:41	08/14/25 01:16	1
D7-NMeFOSE	57.8		20 - 130	08/11/25 16:41	08/14/25 01:16	1
D9-NEtFOSE	36.3		15 - 130	08/11/25 16:41	08/14/25 01:16	1
d5-NEtPFOSA	64.3		10 - 130	08/11/25 16:41	08/14/25 01:16	1
d3-NMePFOSA	67.9		10 - 130	08/11/25 16:41	08/14/25 01:16	1
13C2 PFDoA	81.4		40 - 130	08/11/25 16:41	08/14/25 01:16	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6170		10.8	9.3	mg/Kg	☼	08/11/25 09:52	08/11/25 20:32	1
Antimony	ND		16.1	0.57	mg/Kg	☼	08/11/25 09:52	08/11/25 20:32	1
Arsenic	6.2		2.2	0.95	mg/Kg	☼	08/11/25 09:52	08/12/25 11:25	1
Barium	39.3		0.54	0.15	mg/Kg	☼	08/11/25 09:52	08/11/25 20:32	1
Beryllium	0.30	^5-	0.22	0.043	mg/Kg	☼	08/11/25 09:52	08/11/25 20:32	1
Cadmium	0.35		0.22	0.075	mg/Kg	☼	08/11/25 09:52	08/11/25 20:32	1
Calcium	41000		53.8	29.0	mg/Kg	☼	08/11/25 09:52	08/12/25 11:25	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	15.1		0.54	0.39	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Cobalt	5.7		0.54	0.11	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Copper	18.2		1.1	0.61	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Iron	18200		10.8	9.1	mg/Kg	✱	08/11/25 09:52	08/12/25 11:25	1
Lead	21.7		1.1	0.49	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Magnesium	8860		21.5	9.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Manganese	445		1.1	0.30	mg/Kg	✱	08/11/25 09:52	08/12/25 11:25	1
Nickel	22.5		5.4	0.27	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Potassium	1210		32.3	26.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Selenium	ND		4.3	0.86	mg/Kg	✱	08/11/25 09:52	08/12/25 11:25	1
Silver	ND	^5-	0.65	0.22	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Sodium	96.7	J	151	65.9	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Thallium	ND		6.5	0.82	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Vanadium	15.9		0.54	0.14	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1
Zinc	118	^5-	2.2	1.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.021	0.0049	mg/Kg	✱	08/11/25 09:57	08/11/25 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.97	0.47	mg/Kg	✱	08/12/25 12:50	08/12/25 18:43	1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
bis (2-chloroisopropyl) ether	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4,5-Trichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4,6-Trichlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4-Dichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4-Dimethylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4-Dinitrophenol	ND		8900	170	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,4-Dinitrotoluene	ND		910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2,6-Dinitrotoluene	ND		910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Chloronaphthalene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Chlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Methylnaphthalene	590	J	910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Methylphenol	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Nitroaniline	ND		1800	150	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
2-Nitrophenol	ND		910	100	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
3,3'-Dichlorobenzidine	ND		1800	260	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
3-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
4,6-Dinitro-2-methylphenol	ND		1800	200	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
4-Bromophenyl phenyl ether	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5
4-Chloro-3-methylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 14:57	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		910	130	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
4-Chlorophenyl phenyl ether	ND		910	190	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
4-Methylphenol	ND		1800	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
4-Nitroaniline	ND		1800	130	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
4-Nitrophenol	ND		1800	250	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Acenaphthene	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Acenaphthylene	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Acetophenone	ND		910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Anthracene	260	J	910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Atrazine	ND		910	310	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzaldehyde	ND		910	690	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzo[a]anthracene	710	J	910	120	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzo[a]pyrene	840	J	910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzo[b]fluoranthene	1100		910	120	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzo[g,h,i]perylene	700	J	910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Benzo[k]fluoranthene	610	J	910	200	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Bis(2-chloroethoxy)methane	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Bis(2-chloroethyl)ether	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Bis(2-ethylhexyl) phthalate	ND		910	200	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Butyl benzyl phthalate	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Caprolactam	ND		910	210	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Carbazole	ND		910	180	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Chrysene	840	J	910	220	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Dibenz(a,h)anthracene	ND		910	180	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Dibenzofuran	ND		910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Diethyl phthalate	ND		910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Dimethyl phthalate	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Di-n-butyl phthalate	ND		910	200	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Di-n-octyl phthalate	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Fluoranthene	1700		910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Fluorene	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Hexachlorobenzene	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Hexachlorobutadiene	ND		910	140	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Hexachlorocyclopentadiene	ND		1800	400	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Hexachloroethane	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Indeno[1,2,3-cd]pyrene	540	J	910	130	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Isophorone	ND		910	190	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Naphthalene	ND		910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Nitrobenzene	ND		910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
N-Nitrosodi-n-propylamine	ND		910	200	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
N-Nitrosodiphenylamine	ND		910	150	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Pentachlorophenol	ND		1800	290	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Phenanthrene	1100		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Phenol	ND		910	160	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Pyrene	1400		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 14:57	5
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	37000	T J	ug/Kg	☼	1.98	N/A	08/08/25 13:44	08/11/25 14:57	5
Unknown	2800	T J	ug/Kg	☼	3.49	N/A	08/08/25 13:44	08/11/25 14:57	5
Octadecanal	4700	T J N	ug/Kg	☼	14.07	638-66-4	08/08/25 13:44	08/11/25 14:57	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane	11000	T J N	ug/Kg	☼	14.23	297-03-0	08/08/25 13:44	08/11/25 14:57	5
Unknown	2600	T J	ug/Kg	☼	14.59	N/A	08/08/25 13:44	08/11/25 14:57	5
Hexadecane	2600	T J N	ug/Kg	☼	14.74	544-76-3	08/08/25 13:44	08/11/25 14:57	5
13-Tertadecen-1-ol acetate	1600	T J N	ug/Kg	☼	14.76	1000130-79-8	08/08/25 13:44	08/11/25 14:57	5
Unknown	2800	T J	ug/Kg	☼	15.19	N/A	08/08/25 13:44	08/11/25 14:57	5
17-Pentatriacontene	2900	T J N	ug/Kg	☼	15.39	6971-40-0	08/08/25 13:44	08/11/25 14:57	5
Unknown	1700	T J	ug/Kg	☼	15.55	N/A	08/08/25 13:44	08/11/25 14:57	5
Unknown	2800	T J	ug/Kg	☼	15.66	N/A	08/08/25 13:44	08/11/25 14:57	5
Unknown	2800	T J	ug/Kg	☼	15.92	N/A	08/08/25 13:44	08/11/25 14:57	5
Unknown	2300	T J	ug/Kg	☼	16.19	N/A	08/08/25 13:44	08/11/25 14:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		22 - 120	08/08/25 13:44	08/11/25 14:57	5
p-Terphenyl-d14 (Surr)	81		28 - 124	08/08/25 13:44	08/11/25 14:57	5
Phenol-d5 (Surr)	67		23 - 120	08/08/25 13:44	08/11/25 14:57	5
2-Fluorophenol (Surr)	73		18 - 120	08/08/25 13:44	08/11/25 14:57	5
2,4,6-Tribromophenol (Surr)	90		10 - 140	08/08/25 13:44	08/11/25 14:57	5
2-Fluorobiphenyl (Surr)	74		29 - 120	08/08/25 13:44	08/11/25 14:57	5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		36	6.9	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
4,4'-DDE	ND		36	7.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
4,4'-DDT	16	J	36	8.3	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
beta-BHC	ND		36	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
cis-Chlordane	ND		36	18	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
alpha-BHC	ND		36	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Aldrin	ND		36	8.7	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
delta-BHC	ND		36	6.6	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Dieldrin	ND		36	8.5	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endosulfan I	ND		36	6.8	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endosulfan II	ND		36	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endosulfan sulfate	ND		36	6.6	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endrin	13	J	36	7.0	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endrin aldehyde	ND		36	9.1	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Endrin ketone	ND		36	8.7	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
gamma-BHC (Lindane)	ND		36	6.5	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
trans-Chlordane	ND		36	11	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Heptachlor	ND		36	7.7	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Heptachlor epoxide	ND		36	9.1	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Methoxychlor	ND		36	7.2	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10
Toxaphene	ND		360	210	ug/Kg	☼	08/11/25 08:17	08/12/25 15:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		45 - 120	08/11/25 08:17	08/12/25 15:38	10
DCB Decachlorobiphenyl	346	S1+	45 - 120	08/11/25 08:17	08/12/25 15:38	10
Tetrachloro-m-xylene	90		30 - 124	08/11/25 08:17	08/12/25 15:38	10
Tetrachloro-m-xylene	106		30 - 124	08/11/25 08:17	08/12/25 15:38	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1221	ND		0.26	0.051	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1232	ND		0.26	0.051	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1242	ND		0.26	0.051	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1248	ND		0.26	0.051	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1254	ND		0.26	0.12	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	08/11/25 07:01	08/12/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154	08/11/25 07:01	08/12/25 12:06	1
Tetrachloro-m-xylene	111		60 - 154	08/11/25 07:01	08/12/25 12:06	1
DCB Decachlorobiphenyl	111		65 - 174	08/11/25 07:01	08/12/25 12:06	1
DCB Decachlorobiphenyl	113		65 - 174	08/11/25 07:01	08/12/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.25	J	0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluoroheptanoic acid (PFHpA)	0.11	J	0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorooctanoic acid (PFOA)	0.38		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorononanoic acid (PFNA)	0.22		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorodecanoic acid (PFDA)	0.11	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluoroundecanoic acid (PFUnA)	0.11	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorooctanesulfonic acid (PFOS)	0.89		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	08/11/25 16:41	08/14/25 01:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.088	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	08/11/25 16:41	08/14/25 01:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	88.3		8 - 130	08/11/25 16:41	08/14/25 01:30	1
13C5-PFPeA	95.3		35 - 130	08/11/25 16:41	08/14/25 01:30	1
13C5-PFHxA	97.3		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C4-PFHpA	89.4		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C8-PFOA	91.9		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C9-PFNA	90.6		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C6-PFDA	90.4		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C7-PFUnA	87.0		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C2-PFTeDA	106		20 - 130	08/11/25 16:41	08/14/25 01:30	1
13C3-PFBS	83.4		40 - 135	08/11/25 16:41	08/14/25 01:30	1
13C3-PFHxS	88.8		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C8-PFOS	87.5		40 - 130	08/11/25 16:41	08/14/25 01:30	1
13C8-PFOSA	83.3		40 - 130	08/11/25 16:41	08/14/25 01:30	1
d3-NMeFOSAA	125		40 - 135	08/11/25 16:41	08/14/25 01:30	1
d5-NEtFOSAA	128		40 - 150	08/11/25 16:41	08/14/25 01:30	1
13C2 4:2 FTS	312	*5+	40 - 165	08/11/25 16:41	08/14/25 01:30	1
13C2 6:2 FTS	209		40 - 215	08/11/25 16:41	08/14/25 01:30	1
13C2 8:2 FTS	307	*5+	40 - 275	08/11/25 16:41	08/14/25 01:30	1
13C3-HFPO-DA	79.0		40 - 130	08/11/25 16:41	08/14/25 01:30	1
D7-NMeFOSE	65.0		20 - 130	08/11/25 16:41	08/14/25 01:30	1
D9-NEtFOSE	44.0		15 - 130	08/11/25 16:41	08/14/25 01:30	1
d5-NEtPFOSA	67.9		10 - 130	08/11/25 16:41	08/14/25 01:30	1
d3-NMePFOSA	72.1		10 - 130	08/11/25 16:41	08/14/25 01:30	1
13C2 PFDoA	89.8		40 - 130	08/11/25 16:41	08/14/25 01:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11800		11.2	9.6	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Antimony	ND		16.8	0.59	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Arsenic	8.4		2.2	0.98	mg/Kg	✱	08/11/25 09:52	08/12/25 11:27	1
Barium	127		0.56	0.16	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Beryllium	0.67	^5-	0.22	0.045	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Cadmium	2.7		0.22	0.078	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Calcium	17900		55.9	30.2	mg/Kg	✱	08/11/25 09:52	08/12/25 11:27	1
Chromium	19.2		0.56	0.40	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Cobalt	6.6		0.56	0.11	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Copper	36.6		1.1	0.64	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Iron	30900		11.2	9.5	mg/Kg	✱	08/11/25 09:52	08/12/25 11:27	1
Lead	208		1.1	0.51	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Magnesium	1670		22.4	9.5	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Manganese	1280		1.1	0.31	mg/Kg	✱	08/11/25 09:52	08/12/25 11:27	1
Nickel	22.4		5.6	0.28	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Potassium	1920		33.5	27.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Selenium	1.5	J	4.5	0.89	mg/Kg	✱	08/11/25 09:52	08/12/25 11:27	1
Silver	0.24	J ^5-	0.67	0.22	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Sodium	183		157	68.5	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Thallium	ND		6.7	0.85	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Vanadium	26.6		0.56	0.15	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1
Zinc	178	^5-	2.2	1.1	mg/Kg	✱	08/11/25 09:52	08/11/25 20:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.022	0.0051	mg/Kg	✱	08/11/25 09:57	08/11/25 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	5.1		1.1	0.51	mg/Kg	✱	08/12/25 12:50	08/12/25 18:43	1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
bis (2-chloroisopropyl) ether	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4,5-Trichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4,6-Trichlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4-Dichlorophenol	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4-Dimethylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4-Dinitrophenol	ND		8900	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,4-Dinitrotoluene	ND		910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2,6-Dinitrotoluene	ND		910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2-Chloronaphthalene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2-Chlorophenol	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2-Methylnaphthalene	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2-Methylphenol	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
2-Nitrophenol	ND		910	100	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
3,3'-Dichlorobenzidine	ND		1800	270	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
3-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4,6-Dinitro-2-methylphenol	ND		1800	200	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Bromophenyl phenyl ether	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Chloro-3-methylphenol	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Chloroaniline	ND		910	130	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Chlorophenyl phenyl ether	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Methylphenol	ND		1800	160	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Nitroaniline	ND		1800	130	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
4-Nitrophenol	ND		1800	250	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Acenaphthene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Acenaphthylene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Acetophenone	ND		910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Anthracene	360	J	910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Atrazine	ND		910	310	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzaldehyde	ND		910	690	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzo[a]anthracene	560	J	910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzo[a]pyrene	650	J	910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzo[b]fluoranthene	730	J	910	120	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzo[g,h,i]perylene	400	J	910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Benzo[k]fluoranthene	380	J	910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Bis(2-chloroethoxy)methane	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Bis(2-chloroethyl)ether	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Bis(2-ethylhexyl) phthalate	ND		910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Butyl benzyl phthalate	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Caprolactam	ND		910	210	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Carbazole	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Chrysene	680	J	910	220	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Dibenz(a,h)anthracene	ND		910	180	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Dibenzofuran	ND		910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Diethyl phthalate	ND		910	160	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Dimethyl phthalate	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Di-n-butyl phthalate	ND		910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Di-n-octyl phthalate	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Fluoranthene	1500		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Fluorene	170	J	910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Hexachlorobenzene	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Hexachlorobutadiene	ND		910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Hexachlorocyclopentadiene	ND		1800	400	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Hexachloroethane	ND		910	170	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Indeno[1,2,3-cd]pyrene	370	J	910	140	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Isophorone	ND		910	190	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Naphthalene	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Nitrobenzene	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
N-Nitrosodi-n-propylamine	ND		910	200	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
N-Nitrosodiphenylamine	ND		910	150	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5
Pentachlorophenol	ND		1800	290	ug/Kg	✱	08/08/25 13:44	08/11/25 15:21	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	1300		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 15:21	5
Phenol	ND		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 15:21	5
Pyrene	1100		910	170	ug/Kg	☼	08/08/25 13:44	08/11/25 15:21	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1900	T J	ug/Kg	☼	3.49	N/A	08/08/25 13:44	08/11/25 15:21	5
Cyclooctacosane	1600	T J N	ug/Kg	☼	13.72	297-24-5	08/08/25 13:44	08/11/25 15:21	5
Octadecanal	3900	T J N	ug/Kg	☼	14.07	638-66-4	08/08/25 13:44	08/11/25 15:21	5
1-Docosanol	7900	T J N	ug/Kg	☼	14.23	661-19-8	08/08/25 13:44	08/11/25 15:21	5
Unknown	1800	T J	ug/Kg	☼	14.59	N/A	08/08/25 13:44	08/11/25 15:21	5
Eicosane	2200	T J N	ug/Kg	☼	14.73	112-95-8	08/08/25 13:44	08/11/25 15:21	5
Unknown	1500	T J	ug/Kg	☼	14.76	N/A	08/08/25 13:44	08/11/25 15:21	5
Oxirane, hexadecyl-	2400	T J N	ug/Kg	☼	15.19	7390-81-0	08/08/25 13:44	08/11/25 15:21	5
Cycloeicosane	1900	T J N	ug/Kg	☼	15.39	296-56-0	08/08/25 13:44	08/11/25 15:21	5
Unknown	1600	T J	ug/Kg	☼	15.92	N/A	08/08/25 13:44	08/11/25 15:21	5
Unknown	2200	T J	ug/Kg	☼	16.22	N/A	08/08/25 13:44	08/11/25 15:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		22 - 120	08/08/25 13:44	08/11/25 15:21	5
p-Terphenyl-d14 (Surr)	77		28 - 124	08/08/25 13:44	08/11/25 15:21	5
Phenol-d5 (Surr)	74		23 - 120	08/08/25 13:44	08/11/25 15:21	5
2-Fluorophenol (Surr)	76		18 - 120	08/08/25 13:44	08/11/25 15:21	5
2,4,6-Tribromophenol (Surr)	74		10 - 140	08/08/25 13:44	08/11/25 15:21	5
2-Fluorobiphenyl (Surr)	72		29 - 120	08/08/25 13:44	08/11/25 15:21	5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	7.1	J	35	6.9	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
4,4'-DDE	15	J	35	7.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
4,4'-DDT	15	J	35	8.3	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
beta-BHC	ND		35	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
cis-Chlordane	ND		35	18	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
alpha-BHC	ND		35	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Aldrin	ND		35	8.7	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
delta-BHC	ND		35	6.6	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Dieldrin	ND		35	8.5	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endosulfan I	ND		35	6.8	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endosulfan II	ND		35	6.4	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endosulfan sulfate	ND		35	6.6	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endrin	ND		35	7.0	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endrin aldehyde	ND		35	9.0	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Endrin ketone	ND		35	8.7	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
gamma-BHC (Lindane)	ND		35	6.5	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
trans-Chlordane	ND		35	11	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Heptachlor	ND		35	7.6	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Heptachlor epoxide	ND		35	9.1	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Methoxychlor	ND		35	7.2	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10
Toxaphene	ND		350	210	ug/Kg	☼	08/11/25 08:17	08/12/25 15:58	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	126	S1+	45 - 120	08/11/25 08:17	08/12/25 15:58	10
DCB Decachlorobiphenyl	476	S1+	45 - 120	08/11/25 08:17	08/12/25 15:58	10
Tetrachloro-m-xylene	102		30 - 124	08/11/25 08:17	08/12/25 15:58	10
Tetrachloro-m-xylene	105		30 - 124	08/11/25 08:17	08/12/25 15:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1221	ND		0.23	0.045	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1232	ND		0.23	0.045	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1242	ND		0.23	0.045	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1248	ND		0.23	0.045	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1254	ND		0.23	0.11	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1
PCB-1260	ND		0.23	0.11	mg/Kg	✱	08/11/25 07:01	08/12/25 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	08/11/25 07:01	08/12/25 12:24	1
Tetrachloro-m-xylene	97		60 - 154	08/11/25 07:01	08/12/25 12:24	1
DCB Decachlorobiphenyl	99		65 - 174	08/11/25 07:01	08/12/25 12:24	1
DCB Decachlorobiphenyl	101		65 - 174	08/11/25 07:01	08/12/25 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.18	J	0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoropentanoic acid (PFPeA)	0.059	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorohexanoic acid (PFHxA)	0.10	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoroheptanoic acid (PFHpA)	0.099	J	0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorooctanoic acid (PFOA)	0.17	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorononanoic acid (PFNA)	0.16	J	0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorodecanoic acid (PFDA)	0.061	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoroundecanoic acid (PFUnA)	0.052	J	0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorooctanesulfonic acid (PFOS)	0.28		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.099	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.089	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.089	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.099	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.99	0.30	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.99	0.30	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.089	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.99	0.49	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.99	0.39	ng/g	✱	08/11/25 16:41	08/14/25 01:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	82.1		8 - 130	08/11/25 16:41	08/14/25 01:43	1
13C5-PFPeA	84.5		35 - 130	08/11/25 16:41	08/14/25 01:43	1
13C5-PFHxA	81.2		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C4-PFHpA	75.0		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C8-PFOA	82.4		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C9-PFNA	82.3		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C6-PFDA	75.0		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C7-PFUnA	75.3		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C2-PFTeDA	75.0		20 - 130	08/11/25 16:41	08/14/25 01:43	1
13C3-PFBS	76.0		40 - 135	08/11/25 16:41	08/14/25 01:43	1
13C3-PFHxS	81.3		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C8-PFOS	72.0		40 - 130	08/11/25 16:41	08/14/25 01:43	1
13C8-PFOSA	64.3		40 - 130	08/11/25 16:41	08/14/25 01:43	1
d3-NMeFOSAA	81.7		40 - 135	08/11/25 16:41	08/14/25 01:43	1
d5-NEtFOSAA	77.4		40 - 150	08/11/25 16:41	08/14/25 01:43	1
13C2 4:2 FTS	213	*5+	40 - 165	08/11/25 16:41	08/14/25 01:43	1
13C2 6:2 FTS	148		40 - 215	08/11/25 16:41	08/14/25 01:43	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 8:2 FTS	182		40 - 275	08/11/25 16:41	08/14/25 01:43	1
13C3-HFPO-DA	72.5		40 - 130	08/11/25 16:41	08/14/25 01:43	1
D7-NMeFOSE	46.1		20 - 130	08/11/25 16:41	08/14/25 01:43	1
D9-NEtFOSE	33.4		15 - 130	08/11/25 16:41	08/14/25 01:43	1
d5-NEtPFOSA	58.3		10 - 130	08/11/25 16:41	08/14/25 01:43	1
d3-NMePFOSA	64.0		10 - 130	08/11/25 16:41	08/14/25 01:43	1
13C2 PFDoA	71.0		40 - 130	08/11/25 16:41	08/14/25 01:43	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12800		10.4	9.0	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Antimony	ND		15.6	0.55	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Arsenic	13.9		2.1	0.92	mg/Kg	☆	08/11/25 09:52	08/12/25 11:38	1
Barium	200		0.52	0.15	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Beryllium	0.64	^5-	0.21	0.042	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Cadmium	0.41		0.21	0.073	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Calcium	4650		52.1	28.1	mg/Kg	☆	08/11/25 09:52	08/12/25 11:38	1
Chromium	19.8		0.52	0.38	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Cobalt	9.5		0.52	0.10	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Copper	43.8		1.0	0.59	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Iron	26700		10.4	8.8	mg/Kg	☆	08/11/25 09:52	08/12/25 11:38	1
Lead	353		1.0	0.48	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Magnesium	2520		20.9	8.8	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Manganese	648		1.0	0.29	mg/Kg	☆	08/11/25 09:52	08/12/25 11:38	1
Nickel	25.2		5.2	0.26	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Potassium	2280		31.3	25.3	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Selenium	0.95	J	4.2	0.83	mg/Kg	☆	08/11/25 09:52	08/12/25 11:38	1
Silver	0.24	J ^5-	0.63	0.21	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Sodium	110	J	146	63.9	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Thallium	ND		6.3	0.79	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Vanadium	26.2		0.52	0.14	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1
Zinc	168	^5-	2.1	1.1	mg/Kg	☆	08/11/25 09:52	08/11/25 20:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.59		0.022	0.0051	mg/Kg	☆	08/11/25 09:57	08/11/25 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.99	0.48	mg/Kg	☆	08/12/25 12:50	08/12/25 18:46	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (22-120)	TPHd14 (28-124)	PHL (23-120)	2FP (18-120)	TBP (10-140)	FBP (29-120)
480-231654-1	SS-1	66	70	65	76	80	73
480-231654-2	SS-2	83	91	78	81	101	79
480-231654-3	SS-3	74	75	74	70	80	75
480-231654-3 - DL	SS-3	82	74	65	69	68	78
480-231654-4	SS-4	77	73	70	75	82	77
480-231654-6	SS-6	75	78	72	66	81	79
480-231654-7	SS-7	78	81	67	73	90	74
480-231654-8	SS-8	74	77	74	76	74	72
LCS 480-753801/2-A	Lab Control Sample	88	89	80	77	81	86
MB 480-753801/1-A	Method Blank	90	92	77	76	62	91

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-231654-2	SS-2	227 S1+	447 S1+	190 S1+	153 S1+
480-231654-6	SS-6	120	504 S1+	93	120
480-231654-7	SS-7	105	346 S1+	90	106
480-231654-8	SS-8	126 S1+	476 S1+	102	105
LCS 480-753888/2-A	Lab Control Sample	110	103	73	75
MB 480-753888/1-A	Method Blank	106	99	68	68

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-231654-2	SS-2	57 S1-	51 S1-	54 S1-	55 S1-
480-231654-6	SS-6	114	106	108	111
480-231654-7	SS-7	129	111	111	113
480-231654-8	SS-8	114	97	99	101
LCS 480-753858/2-A	Lab Control Sample	150	125	136	137
MB 480-753858/1-A	Method Blank	132	115	125	127

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-231654-2	SS-2	90.2	100	96.1	92.8	94.2	97.8	88.4	86.2
480-231654-6	SS-6	86.5	93.1	91.3	86.9	92.3	88.4	83.6	81.7
480-231654-7	SS-7	88.3	95.3	97.3	89.4	91.9	90.6	90.4	87.0
480-231654-8	SS-8	82.1	84.5	81.2	75.0	82.4	82.3	75.0	75.3
LCS 410-683892/2-A	Lab Control Sample	86.2	92.2	93.7	89.3	89.1	90.8	84.5	85.8
LLCS 410-683892/3-A	Lab Control Sample	90.4	104	100	91.1	90.4	89.7	88.3	88.3
MB 410-683892/1-A	Method Blank	88.7	93.8	93.3	86.5	84.4	88.7	78.7	79.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-231654-2	SS-2	107	86.6	96.0	91.5	80.7	110	107	310 *5+
480-231654-6	SS-6	88.4	87.8	89.6	84.0	70.3	95.1	86.8	235 *5+
480-231654-7	SS-7	106	83.4	88.8	87.5	83.3	125	128	312 *5+
480-231654-8	SS-8	75.0	76.0	81.3	72.0	64.3	81.7	77.4	213 *5+
LCS 410-683892/2-A	Lab Control Sample	83.5	83.6	90.2	82.6	65.9	76.0	64.3	91.2
LLCS 410-683892/3-A	Lab Control Sample	91.1	87.1	88.8	90.5	68.4	79.5	69.0	81.6
MB 410-683892/1-A	Method Blank	86.5	83.6	88.1	83.0	62.0	67.4	63.4	91.7

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
480-231654-2	SS-2	231 *5+	265	80.8	71.6	49.4	74.0	72.0	88.8
480-231654-6	SS-6	159	213	76.9	57.8	36.3	64.3	67.9	81.4
480-231654-7	SS-7	209	307 *5+	79.0	65.0	44.0	67.9	72.1	89.8
480-231654-8	SS-8	148	182	72.5	46.1	33.4	58.3	64.0	71.0
LCS 410-683892/2-A	Lab Control Sample	103	108	92.3	41.0	33.7	53.8	58.7	78.2
LLCS 410-683892/3-A	Lab Control Sample	95.0	121	91.2	52.9	41.7	60.3	63.3	87.5
MB 410-683892/1-A	Method Blank	97.5	112	82.8	44.1	34.9	50.5	54.1	79.4

Surrogate Legend

PFBA = 13C4-PFBA
PFPeA = 13C5-PFPeA
13C5PHA = 13C5-PFHxA
C4PFHA = 13C4-PFHpA
C8PFOA = 13C8-PFOA
C9PFNA = 13C9-PFNA
C6PFDA = 13C6-PFDA
13C7PUA = 13C7-PFUnA
PFTDA = 13C2-PFTeDA
C3PFBS = 13C3-PFBS
C3PFHS = 13C3-PFHxS
C8PFOS = 13C8-PFOS
PFOSA = 13C8-PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3-HFPO-DA
NMFM = D7-NMeFOSE

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

- NEFM = D9-NEtFOSE
- d5NPFSA = d5-NEtPFOSA
- d3NMFSA = d3-NMePFOSA
- PFDoA = 13C2 PFDoA

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: MB 480-753801/1-A

Matrix: Solid

Analysis Batch: 753867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Chloronaphthalene	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Chlorophenol	ND		170	27	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Methylnaphthalene	ND		170	27	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Methylphenol	ND		170	27	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Nitroaniline	ND		330	29	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
2-Nitrophenol	ND		170	19	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
3-Nitroaniline	ND		330	24	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Chloroaniline	ND		170	24	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Methylphenol	ND		330	30	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Nitroaniline	ND		330	25	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
4-Nitrophenol	ND		330	46	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Acenaphthene	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Acenaphthylene	ND		170	33	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Acetophenone	ND		170	30	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Anthracene	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Atrazine	ND		170	57	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzaldehyde	ND		170	130	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzo[a]anthracene	ND		170	23	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzo[a]pyrene	ND		170	29	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Caprolactam	ND		170	39	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Carbazole	ND		170	33	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Chrysene	ND		170	41	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Dibenzofuran	ND		170	30	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Diethyl phthalate	ND		170	30	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Dimethyl phthalate	ND		170	33	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		08/08/25 13:44	08/11/25 10:01	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: MB 480-753801/1-A

Matrix: Solid

Analysis Batch: 753867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Fluoranthene	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Fluorene	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Hexachlorobenzene	ND		170	33	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Hexachlorobutadiene	ND		170	25	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Hexachloroethane	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Isophorone	ND		170	35	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Naphthalene	ND		170	28	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Nitrobenzene	ND		170	28	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Pentachlorophenol	ND		330	54	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Phenanthrene	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Phenol	ND		170	31	ug/Kg		08/08/25 13:44	08/11/25 10:01	1
Pyrene	ND		170	32	ug/Kg		08/08/25 13:44	08/11/25 10:01	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	11300	T J	ug/Kg		2.00	N/A	08/08/25 13:44	08/11/25 10:01	1
Unknown	375	T J	ug/Kg		2.80	N/A	08/08/25 13:44	08/11/25 10:01	1
Unknown	18700	T J	ug/Kg		3.50	N/A	08/08/25 13:44	08/11/25 10:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	90		22 - 120	08/08/25 13:44	08/11/25 10:01	1
p-Terphenyl-d14 (Surr)	92		28 - 124	08/08/25 13:44	08/11/25 10:01	1
Phenol-d5 (Surr)	77		23 - 120	08/08/25 13:44	08/11/25 10:01	1
2-Fluorophenol (Surr)	76		18 - 120	08/08/25 13:44	08/11/25 10:01	1
2,4,6-Tribromophenol (Surr)	62		10 - 140	08/08/25 13:44	08/11/25 10:01	1
2-Fluorobiphenyl (Surr)	91		29 - 120	08/08/25 13:44	08/11/25 10:01	1

Lab Sample ID: LCS 480-753801/2-A

Matrix: Solid

Analysis Batch: 753867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Biphenyl	2670	2210		ug/Kg		83	47 - 120
bis (2-chloroisopropyl) ether	2670	1920		ug/Kg		72	31 - 120
2,4,5-Trichlorophenol	2670	2100		ug/Kg		79	52 - 120
2,4,6-Trichlorophenol	2670	2200		ug/Kg		82	51 - 120
2,4-Dichlorophenol	2670	2180		ug/Kg		82	44 - 120
2,4-Dimethylphenol	2670	2030		ug/Kg		76	48 - 120
2,4-Dinitrophenol	5330	3190		ug/Kg		60	28 - 120
2,4-Dinitrotoluene	2670	2480		ug/Kg		93	55 - 125
2,6-Dinitrotoluene	2670	2370		ug/Kg		89	51 - 125
2-Chloronaphthalene	2670	2150		ug/Kg		81	46 - 120
2-Chlorophenol	2670	1980		ug/Kg		74	40 - 120
2-Methylnaphthalene	2670	2120		ug/Kg		80	45 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 480-753801/2-A

Matrix: Solid

Analysis Batch: 753867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	2670	2050		ug/Kg		77	41 - 120
2-Nitroaniline	2670	2210		ug/Kg		83	51 - 125
2-Nitrophenol	2670	1970		ug/Kg		74	43 - 120
3,3'-Dichlorobenzidine	2670	1830		ug/Kg		69	10 - 120
3-Nitroaniline	2670	1700		ug/Kg		64	33 - 120
4,6-Dinitro-2-methylphenol	5330	4380		ug/Kg		82	49 - 126
4-Bromophenyl phenyl ether	2670	2380		ug/Kg		89	55 - 123
4-Chloro-3-methylphenol	2670	2110		ug/Kg		79	54 - 120
4-Chloroaniline	2670	1470		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	2670	2240		ug/Kg		84	54 - 120
4-Methylphenol	2670	2040		ug/Kg		76	43 - 120
4-Nitroaniline	2670	2090		ug/Kg		78	54 - 120
4-Nitrophenol	5330	4190		ug/Kg		79	47 - 120
Acenaphthene	2670	2090		ug/Kg		78	49 - 121
Acenaphthylene	2670	2080		ug/Kg		78	49 - 120
Acetophenone	2670	2060		ug/Kg		77	39 - 120
Anthracene	2670	2270		ug/Kg		85	57 - 120
Atrazine	2670	1780		ug/Kg		67	44 - 120
Benzaldehyde	2670	1300		ug/Kg		49	10 - 120
Benzo[a]anthracene	2670	2370		ug/Kg		89	58 - 120
Benzo[a]pyrene	2670	2210		ug/Kg		83	59 - 122
Benzo[b]fluoranthene	2670	2140		ug/Kg		80	56 - 120
Benzo[g,h,i]perylene	2670	2400		ug/Kg		90	56 - 132
Benzo[k]fluoranthene	2670	2310		ug/Kg		87	59 - 127
Bis(2-chloroethoxy)methane	2670	2030		ug/Kg		76	42 - 120
Bis(2-chloroethyl)ether	2670	1960		ug/Kg		74	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2470		ug/Kg		93	49 - 130
Butyl benzyl phthalate	2670	2460		ug/Kg		92	50 - 122
Caprolactam	2670	1360		ug/Kg		51	10 - 120
Carbazole	2670	2430		ug/Kg		91	58 - 124
Chrysene	2670	2310		ug/Kg		86	57 - 120
Dibenz(a,h)anthracene	2670	2360		ug/Kg		88	53 - 124
Dibenzofuran	2670	2170		ug/Kg		81	53 - 120
Diethyl phthalate	2670	2240		ug/Kg		84	54 - 120
Dimethyl phthalate	2670	2200		ug/Kg		83	53 - 120
Di-n-butyl phthalate	2670	2390		ug/Kg		90	49 - 120
Di-n-octyl phthalate	2670	2520		ug/Kg		94	42 - 125
Fluoranthene	2670	2340		ug/Kg		88	57 - 121
Fluorene	2670	2170		ug/Kg		81	55 - 121
Hexachlorobenzene	2670	2230		ug/Kg		83	56 - 120
Hexachlorobutadiene	2670	2090		ug/Kg		79	40 - 120
Hexachlorocyclopentadiene	2670	2210		ug/Kg		83	30 - 125
Hexachloroethane	2670	1750		ug/Kg		66	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2230		ug/Kg		84	53 - 125
Isophorone	2670	2070		ug/Kg		78	46 - 120
Naphthalene	2670	2170		ug/Kg		81	43 - 120
Nitrobenzene	2670	2270		ug/Kg		85	40 - 120
N-Nitrosodi-n-propylamine	2670	1990		ug/Kg		75	41 - 120
N-Nitrosodiphenylamine	2670	2340		ug/Kg		88	57 - 126

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 480-753801/2-A

Matrix: Solid

Analysis Batch: 753867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	5330	3480		ug/Kg		65	10 - 124
Phenanthrene	2670	2360		ug/Kg		89	57 - 120
Phenol	2670	1880		ug/Kg		70	37 - 120
Pyrene	2670	2350		ug/Kg		88	59 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	88		22 - 120
p-Terphenyl-d14 (Surr)	89		28 - 124
Phenol-d5 (Surr)	80		23 - 120
2-Fluorophenol (Surr)	77		18 - 120
2,4,6-Tribromophenol (Surr)	81		10 - 140
2-Fluorobiphenyl (Surr)	86		29 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-753888/1-A

Matrix: Solid

Analysis Batch: 753984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
beta-BHC	ND		3.3	0.60	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
alpha-BHC	ND		3.3	0.60	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Aldrin	ND		3.3	0.82	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
delta-BHC	ND		3.3	0.62	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Dieldrin	ND		3.3	0.80	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endosulfan I	ND		3.3	0.64	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endosulfan II	ND		3.3	0.60	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endrin	ND		3.3	0.66	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Endrin ketone	ND		3.3	0.82	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Heptachlor	ND		3.3	0.72	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Methoxychlor	ND		3.3	0.68	ug/Kg		08/11/25 08:17	08/12/25 12:42	1
Toxaphene	ND		33	19	ug/Kg		08/11/25 08:17	08/12/25 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		45 - 120	08/11/25 08:17	08/12/25 12:42	1
DCB Decachlorobiphenyl	99		45 - 120	08/11/25 08:17	08/12/25 12:42	1
Tetrachloro-m-xylene	68		30 - 124	08/11/25 08:17	08/12/25 12:42	1
Tetrachloro-m-xylene	68		30 - 124	08/11/25 08:17	08/12/25 12:42	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 480-753888/2-A

Matrix: Solid

Analysis Batch: 753984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	28.6		ug/Kg		86	56 - 120
4,4'-DDE	33.3	26.8		ug/Kg		81	44 - 120
4,4'-DDT	33.3	28.6		ug/Kg		86	38 - 120
beta-BHC	33.3	26.6		ug/Kg		80	40 - 120
cis-Chlordane	33.3	22.2		ug/Kg		67	47 - 120
alpha-BHC	33.3	23.8		ug/Kg		72	39 - 120
Aldrin	33.3	17.2		ug/Kg		51	38 - 120
delta-BHC	33.3	27.4		ug/Kg		82	45 - 120
Dieldrin	33.3	27.8		ug/Kg		83	58 - 120
Endosulfan I	33.3	27.4		ug/Kg		82	49 - 120
Endosulfan II	33.3	27.3		ug/Kg		82	55 - 120
Endosulfan sulfate	33.3	27.0		ug/Kg		81	49 - 124
Endrin	33.3	27.6		ug/Kg		83	58 - 120
Endrin aldehyde	33.3	19.5		ug/Kg		58	37 - 121
Endrin ketone	33.3	28.1		ug/Kg		84	46 - 123
gamma-BHC (Lindane)	33.3	26.5		ug/Kg		79	50 - 120
trans-Chlordane	33.3	21.3		ug/Kg		64	48 - 120
Heptachlor	33.3	27.5		ug/Kg		82	50 - 120
Heptachlor epoxide	33.3	27.3		ug/Kg		82	50 - 120
Methoxychlor	33.3	31.3		ug/Kg		94	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	110		45 - 120
DCB Decachlorobiphenyl	103		45 - 120
Tetrachloro-m-xylene	73		30 - 124
Tetrachloro-m-xylene	75		30 - 124

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

Lab Sample ID: MB 480-753858/1-A

Matrix: Solid

Analysis Batch: 753979

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1221	ND		0.25	0.049	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1232	ND		0.25	0.049	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1242	ND		0.25	0.049	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1248	ND		0.25	0.049	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1254	ND		0.25	0.12	mg/Kg		08/11/25 07:01	08/12/25 08:44	1
PCB-1260	ND		0.25	0.12	mg/Kg		08/11/25 07:01	08/12/25 08:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	132		60 - 154	08/11/25 07:01	08/12/25 08:44	1
Tetrachloro-m-xylene	115		60 - 154	08/11/25 07:01	08/12/25 08:44	1
DCB Decachlorobiphenyl	125		65 - 174	08/11/25 07:01	08/12/25 08:44	1
DCB Decachlorobiphenyl	127		65 - 174	08/11/25 07:01	08/12/25 08:44	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 480-753858/2-A

Matrix: Solid

Analysis Batch: 753979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.50	3.46		mg/Kg		139	51 - 185
PCB-1260	2.50	3.21		mg/Kg		128	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	150		60 - 154
Tetrachloro-m-xylene	125		60 - 154
DCB Decachlorobiphenyl	136		65 - 174
DCB Decachlorobiphenyl	137		65 - 174

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

Lab Sample ID: MB 410-683892/1-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 683892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		08/11/25 16:41	08/14/25 00:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		08/11/25 16:41	08/14/25 00:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		08/11/25 16:41	08/14/25 00:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		08/11/25 16:41	08/14/25 00:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		08/11/25 16:41	08/14/25 00:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		08/11/25 16:41	08/14/25 00:21	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: MB 410-683892/1-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 683892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		08/11/25 16:41	08/14/25 00:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		08/11/25 16:41	08/14/25 00:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		08/11/25 16:41	08/14/25 00:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		08/11/25 16:41	08/14/25 00:21	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		08/11/25 16:41	08/14/25 00:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		08/11/25 16:41	08/14/25 00:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		08/11/25 16:41	08/14/25 00:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		08/11/25 16:41	08/14/25 00:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		08/11/25 16:41	08/14/25 00:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		08/11/25 16:41	08/14/25 00:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		08/11/25 16:41	08/14/25 00:21	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	88.7		8 - 130	08/11/25 16:41	08/14/25 00:21	1
13C5-PFPeA	93.8		35 - 130	08/11/25 16:41	08/14/25 00:21	1
13C5-PFHxA	93.3		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C4-PFHpA	86.5		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C8-PFOA	84.4		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C9-PFNA	88.7		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C6-PFDA	78.7		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C7-PFUnA	79.2		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C2-PFTeDA	86.5		20 - 130	08/11/25 16:41	08/14/25 00:21	1
13C3-PFBS	83.6		40 - 135	08/11/25 16:41	08/14/25 00:21	1
13C3-PFHxS	88.1		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C8-PFOS	83.0		40 - 130	08/11/25 16:41	08/14/25 00:21	1
13C8-PFOSA	62.0		40 - 130	08/11/25 16:41	08/14/25 00:21	1
d3-NMeFOSAA	67.4		40 - 135	08/11/25 16:41	08/14/25 00:21	1
d5-NEtFOSAA	63.4		40 - 150	08/11/25 16:41	08/14/25 00:21	1
13C2 4:2 FTS	91.7		40 - 165	08/11/25 16:41	08/14/25 00:21	1
13C2 6:2 FTS	97.5		40 - 215	08/11/25 16:41	08/14/25 00:21	1
13C2 8:2 FTS	112		40 - 275	08/11/25 16:41	08/14/25 00:21	1
13C3-HFPO-DA	82.8		40 - 130	08/11/25 16:41	08/14/25 00:21	1
D7-NMeFOSE	44.1		20 - 130	08/11/25 16:41	08/14/25 00:21	1
D9-NEtFOSE	34.9		15 - 130	08/11/25 16:41	08/14/25 00:21	1
d5-NEtPFOSA	50.5		10 - 130	08/11/25 16:41	08/14/25 00:21	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: MB 410-683892/1-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 683892

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d3-NMePFOSA	54.1		10 - 130	08/11/25 16:41	08/14/25 00:21	1
13C2 PFDoA	79.4		40 - 130	08/11/25 16:41	08/14/25 00:21	1

Lab Sample ID: LCS 410-683892/2-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.98	4.86		ng/g		98	70 - 140
Perfluoropentanoic acid (PFPeA)	2.49	2.21		ng/g		89	60 - 150
Perfluorohexanoic acid (PFHxA)	2.49	2.38		ng/g		96	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.49	2.48		ng/g		100	65 - 145
Perfluorooctanoic acid (PFOA)	2.49	2.37		ng/g		95	70 - 150
Perfluorononanoic acid (PFNA)	2.49	2.19		ng/g		88	70 - 155
Perfluorodecanoic acid (PFDA)	2.49	2.36		ng/g		95	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.49	2.38		ng/g		96	70 - 155
Perfluorododecanoic acid (PFDoA)	2.49	2.37		ng/g		95	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.49	2.49		ng/g		100	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.49	2.43		ng/g		98	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.21	2.23		ng/g		101	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.34	2.39		ng/g		102	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.27	2.02		ng/g		89	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.37	2.25		ng/g		95	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.31	2.09		ng/g		90	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.39	2.03		ng/g		85	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.40	1.92		ng/g		80	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.41	1.77		ng/g		73	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.67	4.90		ng/g		105	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.74	4.33		ng/g		91	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.78	4.83		ng/g		101	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.49	2.60		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.49	2.42		ng/g		97	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.49	2.37		ng/g		95	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.49	2.40		ng/g		97	65 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 410-683892/2-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.49	2.57		ng/g		103	65 - 165
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	12.4	12.1		ng/g		97	70 - 140
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	12.4	12.2		ng/g		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.87	1.88		ng/g		101	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.35	2.43		ng/g		103	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.49	2.40		ng/g		96	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.49	2.48		ng/g		100	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.49	2.12		ng/g		85	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.32	2.10		ng/g		90	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.35	1.85		ng/g		79	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.22	2.25		ng/g		101	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.98	4.39		ng/g		88	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.4	10.5		ng/g		84	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.4	10.3		ng/g		83	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	86.2		8 - 130
13C5-PFPeA	92.2		35 - 130
13C5-PFHxA	93.7		40 - 130
13C4-PFHpA	89.3		40 - 130
13C8-PFOA	89.1		40 - 130
13C9-PFNA	90.8		40 - 130
13C6-PFDA	84.5		40 - 130
13C7-PFUnA	85.8		40 - 130
13C2-PFTeDA	83.5		20 - 130
13C3-PFBS	83.6		40 - 135
13C3-PFHxS	90.2		40 - 130
13C8-PFOS	82.6		40 - 130
13C8-PFOSA	65.9		40 - 130
d3-NMeFOSAA	76.0		40 - 135
d5-NEtFOSAA	64.3		40 - 150
13C2 4:2 FTS	91.2		40 - 165
13C2 6:2 FTS	103		40 - 215
13C2 8:2 FTS	108		40 - 275
13C3-HFPO-DA	92.3		40 - 130
D7-NMeFOSE	41.0		20 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCS 410-683892/2-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
D9-NEtFOSE	33.7		15 - 130
d5-NEtPFOSA	53.8		10 - 130
d3-NMePFOSA	58.7		10 - 130
13C2 PFDoA	78.2		40 - 130

Lab Sample ID: LLCS 410-683892/3-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	0.498	0.479		ng/g		96	70 - 140
Perfluoropentanoic acid (PFPeA)	0.249	0.230		ng/g		92	60 - 150
Perfluorohexanoic acid (PFHxA)	0.249	0.243		ng/g		98	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.249	0.244		ng/g		98	65 - 145
Perfluorooctanoic acid (PFOA)	0.249	0.274		ng/g		110	70 - 150
Perfluorononanoic acid (PFNA)	0.249	0.227		ng/g		91	70 - 155
Perfluorodecanoic acid (PFDA)	0.249	0.247		ng/g		99	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.249	0.233		ng/g		94	70 - 155
Perfluorododecanoic acid (PFDoA)	0.249	0.236		ng/g		95	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.249	0.237		ng/g		95	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.249	0.226		ng/g		91	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.221	0.236		ng/g		107	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.234	0.252		ng/g		108	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.227	0.214		ng/g		94	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.237	0.228		ng/g		96	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.231	0.225		ng/g		97	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.239	0.202		ng/g		85	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.240	0.205		ng/g		85	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.241	0.209		ng/g		87	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.467	0.466		ng/g		100	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.474	0.478		ng/g		101	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.478	0.521		ng/g		109	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.249	0.258		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.249	0.224		ng/g		90	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.249	0.243		ng/g		98	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LLCS 410-683892/3-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.249	0.239		ng/g		96	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.249	0.293		ng/g		118	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.24	1.19		ng/g		96	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.24	1.24		ng/g		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.187	0.170	J	ng/g		91	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.235	0.246		ng/g		105	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.249	0.237		ng/g		95	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.249	0.230		ng/g		93	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.249	0.197	J	ng/g		79	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.232	0.194	J	ng/g		84	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.235	0.191	J	ng/g		81	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	0.222	0.205		ng/g		93	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.498	0.468		ng/g		94	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.24	1.09		ng/g		87	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.24	0.971	J	ng/g		78	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4-PFBA	90.4		8 - 130
13C5-PFPeA	104		35 - 130
13C5-PFHxA	100		40 - 130
13C4-PFHpA	91.1		40 - 130
13C8-PFOA	90.4		40 - 130
13C9-PFNA	89.7		40 - 130
13C6-PFDA	88.3		40 - 130
13C7-PFUnA	88.3		40 - 130
13C2-PFTeDA	91.1		20 - 130
13C3-PFBS	87.1		40 - 135
13C3-PFHxS	88.8		40 - 130
13C8-PFOS	90.5		40 - 130
13C8-PFOSA	68.4		40 - 130
d3-NMeFOSAA	79.5		40 - 135
d5-NEtFOSAA	69.0		40 - 150
13C2 4:2 FTS	81.6		40 - 165
13C2 6:2 FTS	95.0		40 - 215
13C2 8:2 FTS	121		40 - 275
13C3-HFPO-DA	91.2		40 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LLCS 410-683892/3-A

Matrix: Solid

Analysis Batch: 684601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 683892

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
D7-NMeFOSE	52.9		20 - 130
D9-NEtFOSE	41.7		15 - 130
d5-NEtPFOSA	60.3		10 - 130
d3-NMePFOSA	63.3		10 - 130
13C2 PFD _o A	87.5		40 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-753778/1-A

Matrix: Solid

Analysis Batch: 753990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753778

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		9.5	8.2	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Antimony	ND		14.3	0.51	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Barium	ND		0.48	0.13	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Beryllium	ND	^5-	0.19	0.038	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Cadmium	ND		0.19	0.067	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Calcium	ND	^5-	47.7	25.8	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Chromium	ND		0.48	0.34	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Cobalt	ND		0.48	0.095	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Copper	ND		0.95	0.54	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Iron	ND	^5-	9.5	8.1	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Lead	ND		0.95	0.44	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Magnesium	ND		19.1	8.1	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Manganese	ND	^5-	0.95	0.27	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Nickel	ND		4.8	0.24	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Potassium	ND		28.6	23.1	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Silver	ND	^5-	0.57	0.19	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Sodium	ND		134	58.5	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Thallium	ND		5.7	0.73	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Vanadium	ND		0.48	0.12	mg/Kg		08/11/25 09:52	08/11/25 19:38	1
Zinc	ND	^5-	1.9	0.97	mg/Kg		08/11/25 09:52	08/11/25 19:38	1

Lab Sample ID: MB 480-753778/1-A

Matrix: Solid

Analysis Batch: 754055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753778

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		1.9	0.84	mg/Kg		08/11/25 09:52	08/12/25 11:12	1
Selenium	ND		3.8	0.76	mg/Kg		08/11/25 09:52	08/12/25 11:12	1

Lab Sample ID: LCSSRM 480-753778/2-A

Matrix: Solid

Analysis Batch: 753990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753778

Analyte	Spike Added	LCSSRM		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aluminum	7680	7431		mg/Kg		96.8	47.4 - 130.

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Lab Sample ID: LCSSRM 480-753778/2-A
Matrix: Solid
Analysis Batch: 753990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753778

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	201	60.40		mg/Kg		30.1	0.06 - 100.0
Barium	211	216.5		mg/Kg		102.6	73.9 - 107.1
Beryllium	270	230.9		mg/Kg		85.5	73.0 - 104.4
Cadmium	221	173.9		mg/Kg		78.7	70.6 - 101.8
Calcium	4280	3949		mg/Kg		92.3	77.3 - 111.0
Chromium	149	124.5		mg/Kg		83.6	71.8 - 105.4
Cobalt	142	129.8		mg/Kg		91.4	73.2 - 104.2
Copper	264	211.4		mg/Kg		80.1	73.5 - 104.2
Iron	7360	6714		mg/Kg		91.2	55.4 - 130.3
Lead	106	98.62		mg/Kg		93.0	76.1 - 109.4
Magnesium	2170	1840		mg/Kg		84.8	68.7 - 112.0
Manganese	270	253.9		mg/Kg		94.0	73.0 - 107.8
Nickel	177	162.5		mg/Kg		91.8	71.8 - 103.4
Potassium	2340	2067		mg/Kg		88.3	62.8 - 113.7
Silver	59.9	47.94		mg/Kg		80.0	72.8 - 110.7
Sodium	306	255.9		mg/Kg		83.6	66.0 - 113.4
Thallium	205	181.5		mg/Kg		88.5	71.7 - 106.8
Vanadium	155	129.5		mg/Kg		83.6	69.0 - 107.7
Zinc	398	321.5		mg/Kg		80.8	68.8 - 104.5

Lab Sample ID: LCSSRM 480-753778/2-A
Matrix: Solid
Analysis Batch: 754055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753778

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	181	131.5		mg/Kg		72.7	66.3 - 97.8
Selenium	139	110.2		mg/Kg		79.3	70.0 - 107.9

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-753889/1-A

Matrix: Solid

Analysis Batch: 753940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 753889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0047	mg/Kg		08/11/25 09:57	08/11/25 11:47	1

Lab Sample ID: LCSSRM 480-753889/2-A

Matrix: Solid

Analysis Batch: 753940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 753889

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	18.33		mg/Kg		76.4	55.8 - 109.6

Lab Sample ID: 480-231654-2 MS

Matrix: Solid

Analysis Batch: 753940

Client Sample ID: SS-2

Prep Type: Total/NA

Prep Batch: 753889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.049		0.365	0.415		mg/Kg	✱	100	80 - 120

Lab Sample ID: 480-231654-2 MSD

Matrix: Solid

Analysis Batch: 753940

Client Sample ID: SS-2

Prep Type: Total/NA

Prep Batch: 753889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Mercury	0.049		0.364	0.409		mg/Kg	✱	99	80 - 120	1 20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-754080/1-A

Matrix: Solid

Analysis Batch: 754191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg		08/12/25 12:50	08/12/25 18:30	1

Lab Sample ID: LCS 480-754080/3-A

Matrix: Solid

Analysis Batch: 754191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.388		mg/Kg		97	29 - 122

Lab Sample ID: LCS 480-754080/4-A

Matrix: Solid

Analysis Batch: 754191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.237		mg/Kg		95	29 - 122

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 480-754080/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 754191				Prep Batch: 754080			
Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	134	82.29		mg/Kg		61.4	31.6 - 131.3

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

GC/MS Semi VOA

Prep Batch: 753801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	3546	
480-231654-2	SS-2	Total/NA	Solid	3546	
480-231654-3	SS-3	Total/NA	Solid	3546	
480-231654-3 - DL	SS-3	Total/NA	Solid	3546	
480-231654-4	SS-4	Total/NA	Solid	3546	
480-231654-6	SS-6	Total/NA	Solid	3546	
480-231654-7	SS-7	Total/NA	Solid	3546	
480-231654-8	SS-8	Total/NA	Solid	3546	
MB 480-753801/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-753801/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 753867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	8270D	753801
480-231654-2	SS-2	Total/NA	Solid	8270D	753801
480-231654-3	SS-3	Total/NA	Solid	8270D	753801
480-231654-4	SS-4	Total/NA	Solid	8270D	753801
480-231654-6	SS-6	Total/NA	Solid	8270D	753801
480-231654-7	SS-7	Total/NA	Solid	8270D	753801
480-231654-8	SS-8	Total/NA	Solid	8270D	753801
MB 480-753801/1-A	Method Blank	Total/NA	Solid	8270D	753801
LCS 480-753801/2-A	Lab Control Sample	Total/NA	Solid	8270D	753801

Analysis Batch: 754003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-3 - DL	SS-3	Total/NA	Solid	8270D	753801

GC Semi VOA

Prep Batch: 753858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	3550C	
480-231654-6	SS-6	Total/NA	Solid	3550C	
480-231654-7	SS-7	Total/NA	Solid	3550C	
480-231654-8	SS-8	Total/NA	Solid	3550C	
MB 480-753858/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-753858/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 753888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	3546	
480-231654-6	SS-6	Total/NA	Solid	3546	
480-231654-7	SS-7	Total/NA	Solid	3546	
480-231654-8	SS-8	Total/NA	Solid	3546	
MB 480-753888/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-753888/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 753979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	8082A	753858
480-231654-6	SS-6	Total/NA	Solid	8082A	753858

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

GC Semi VOA (Continued)

Analysis Batch: 753979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-7	SS-7	Total/NA	Solid	8082A	753858
480-231654-8	SS-8	Total/NA	Solid	8082A	753858
MB 480-753858/1-A	Method Blank	Total/NA	Solid	8082A	753858
LCS 480-753858/2-A	Lab Control Sample	Total/NA	Solid	8082A	753858

Analysis Batch: 753984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	8081B	753888
480-231654-6	SS-6	Total/NA	Solid	8081B	753888
480-231654-7	SS-7	Total/NA	Solid	8081B	753888
480-231654-8	SS-8	Total/NA	Solid	8081B	753888
MB 480-753888/1-A	Method Blank	Total/NA	Solid	8081B	753888
LCS 480-753888/2-A	Lab Control Sample	Total/NA	Solid	8081B	753888

LCMS

Prep Batch: 683892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	1633 Shake	
480-231654-6	SS-6	Total/NA	Solid	1633 Shake	
480-231654-7	SS-7	Total/NA	Solid	1633 Shake	
480-231654-8	SS-8	Total/NA	Solid	1633 Shake	
MB 410-683892/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-683892/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 410-683892/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 684601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-2	SS-2	Total/NA	Solid	1633	683892
480-231654-6	SS-6	Total/NA	Solid	1633	683892
480-231654-7	SS-7	Total/NA	Solid	1633	683892
480-231654-8	SS-8	Total/NA	Solid	1633	683892
MB 410-683892/1-A	Method Blank	Total/NA	Solid	1633	683892
LCS 410-683892/2-A	Lab Control Sample	Total/NA	Solid	1633	683892
LLCS 410-683892/3-A	Lab Control Sample	Total/NA	Solid	1633	683892

Metals

Prep Batch: 753778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	3050B	
480-231654-2	SS-2	Total/NA	Solid	3050B	
480-231654-3	SS-3	Total/NA	Solid	3050B	
480-231654-4	SS-4	Total/NA	Solid	3050B	
480-231654-5	SS-5	Total/NA	Solid	3050B	
480-231654-6	SS-6	Total/NA	Solid	3050B	
480-231654-7	SS-7	Total/NA	Solid	3050B	
480-231654-8	SS-8	Total/NA	Solid	3050B	
MB 480-753778/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-753778/2-A	Lab Control Sample	Total/NA	Solid	3050B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Metals

Prep Batch: 753889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	7471B	
480-231654-2	SS-2	Total/NA	Solid	7471B	
480-231654-3	SS-3	Total/NA	Solid	7471B	
480-231654-4	SS-4	Total/NA	Solid	7471B	
480-231654-5	SS-5	Total/NA	Solid	7471B	
480-231654-6	SS-6	Total/NA	Solid	7471B	
480-231654-7	SS-7	Total/NA	Solid	7471B	
480-231654-8	SS-8	Total/NA	Solid	7471B	
MB 480-753889/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-753889/2-A	Lab Control Sample	Total/NA	Solid	7471B	
480-231654-2 MS	SS-2	Total/NA	Solid	7471B	
480-231654-2 MSD	SS-2	Total/NA	Solid	7471B	

Analysis Batch: 753940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	7471B	753889
480-231654-2	SS-2	Total/NA	Solid	7471B	753889
480-231654-3	SS-3	Total/NA	Solid	7471B	753889
480-231654-4	SS-4	Total/NA	Solid	7471B	753889
480-231654-5	SS-5	Total/NA	Solid	7471B	753889
480-231654-6	SS-6	Total/NA	Solid	7471B	753889
480-231654-7	SS-7	Total/NA	Solid	7471B	753889
480-231654-8	SS-8	Total/NA	Solid	7471B	753889
MB 480-753889/1-A	Method Blank	Total/NA	Solid	7471B	753889
LCSSRM 480-753889/2-A	Lab Control Sample	Total/NA	Solid	7471B	753889
480-231654-2 MS	SS-2	Total/NA	Solid	7471B	753889
480-231654-2 MSD	SS-2	Total/NA	Solid	7471B	753889

Analysis Batch: 753990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	6010D	753778
480-231654-2	SS-2	Total/NA	Solid	6010D	753778
480-231654-3	SS-3	Total/NA	Solid	6010D	753778
480-231654-4	SS-4	Total/NA	Solid	6010D	753778
480-231654-5	SS-5	Total/NA	Solid	6010D	753778
480-231654-6	SS-6	Total/NA	Solid	6010D	753778
480-231654-7	SS-7	Total/NA	Solid	6010D	753778
480-231654-8	SS-8	Total/NA	Solid	6010D	753778
MB 480-753778/1-A	Method Blank	Total/NA	Solid	6010D	753778
LCSSRM 480-753778/2-A	Lab Control Sample	Total/NA	Solid	6010D	753778

Analysis Batch: 754055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	6010D	753778
480-231654-2	SS-2	Total/NA	Solid	6010D	753778
480-231654-3	SS-3	Total/NA	Solid	6010D	753778
480-231654-4	SS-4	Total/NA	Solid	6010D	753778
480-231654-5	SS-5	Total/NA	Solid	6010D	753778
480-231654-6	SS-6	Total/NA	Solid	6010D	753778
480-231654-7	SS-7	Total/NA	Solid	6010D	753778
480-231654-8	SS-8	Total/NA	Solid	6010D	753778

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Metals (Continued)

Analysis Batch: 754055 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-753778/1-A	Method Blank	Total/NA	Solid	6010D	753778
LCSSRM 480-753778/2-A	Lab Control Sample	Total/NA	Solid	6010D	753778

Analysis Batch: 754076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-5	SS-5	Total/NA	Solid	6010D	753778

General Chemistry

Analysis Batch: 753811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	Moisture	
480-231654-2	SS-2	Total/NA	Solid	Moisture	
480-231654-3	SS-3	Total/NA	Solid	Moisture	
480-231654-4	SS-4	Total/NA	Solid	Moisture	
480-231654-5	SS-5	Total/NA	Solid	Moisture	
480-231654-6	SS-6	Total/NA	Solid	Moisture	
480-231654-7	SS-7	Total/NA	Solid	Moisture	
480-231654-8	SS-8	Total/NA	Solid	Moisture	

Prep Batch: 754080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	9012B	
480-231654-2	SS-2	Total/NA	Solid	9012B	
480-231654-3	SS-3	Total/NA	Solid	9012B	
480-231654-4	SS-4	Total/NA	Solid	9012B	
480-231654-5	SS-5	Total/NA	Solid	9012B	
480-231654-6	SS-6	Total/NA	Solid	9012B	
480-231654-7	SS-7	Total/NA	Solid	9012B	
480-231654-8	SS-8	Total/NA	Solid	9012B	
MB 480-754080/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-754080/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-754080/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-754080/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 754191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231654-1	SS-1	Total/NA	Solid	9012B	754080
480-231654-2	SS-2	Total/NA	Solid	9012B	754080
480-231654-3	SS-3	Total/NA	Solid	9012B	754080
480-231654-4	SS-4	Total/NA	Solid	9012B	754080
480-231654-5	SS-5	Total/NA	Solid	9012B	754080
480-231654-6	SS-6	Total/NA	Solid	9012B	754080
480-231654-7	SS-7	Total/NA	Solid	9012B	754080
480-231654-8	SS-8	Total/NA	Solid	9012B	754080
MB 480-754080/1-A	Method Blank	Total/NA	Solid	9012B	754080
LCS 480-754080/3-A	Lab Control Sample	Total/NA	Solid	9012B	754080
LCS 480-754080/4-A	Lab Control Sample	Total/NA	Solid	9012B	754080
LCSSRM 480-754080/2-A	Lab Control Sample	Total/NA	Solid	9012B	754080

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/07/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-1

Lab Sample ID: 480-231654-1

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		5	753867	JMM	EET BUF	08/11/25 12:29
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:22
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:16
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 11:50
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:38

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-2

Lab Sample ID: 480-231654-2

Date Collected: 08/07/25 10:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		5	753867	JMM	EET BUF	08/11/25 12:53
Total/NA	Prep	3546			753888	JMP	EET BUF	08/11/25 08:17
Total/NA	Analysis	8081B		20	753984	JLS	EET BUF	08/12/25 14:59
Total/NA	Prep	3550C			753858	SMP	EET BUF	08/11/25 07:01
Total/NA	Analysis	8082A		1	753979	MAN	EET BUF	08/12/25 11:29
Total/NA	Prep	1633 Shake			683892	URGB	ELLE	08/11/25 16:41
Total/NA	Analysis	1633		1	684601	P7EB	ELLE	08/14/25 01:02
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:24
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:18
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 11:51

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-2

Date Collected: 08/07/25 10:15

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-2

Matrix: Solid

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:39

Client Sample ID: SS-3

Date Collected: 08/07/25 10:30

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-3

Date Collected: 08/07/25 10:30

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-3

Matrix: Solid

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		1	753867	JMM	EET BUF	08/11/25 13:18
Total/NA	Prep	3546	DL		753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D	DL	5	754003	JMM	EET BUF	08/12/25 14:53
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:26
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:19
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 11:56
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:42

Client Sample ID: SS-4

Date Collected: 08/07/25 10:45

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-4

Date Collected: 08/07/25 10:45

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-4

Matrix: Solid

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		5	753867	JMM	EET BUF	08/11/25 13:43
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:28
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:21

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-4

Date Collected: 08/07/25 10:45

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-4

Matrix: Solid

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 11:57
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:42

Client Sample ID: SS-5

Date Collected: 08/07/25 11:00

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-5

Date Collected: 08/07/25 11:00

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-5

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:30
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:23
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		5	754076	MP	EET BUF	08/12/25 14:38
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 11:59
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:43

Client Sample ID: SS-6

Date Collected: 08/07/25 11:15

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-6

Date Collected: 08/07/25 11:15

Date Received: 08/07/25 15:00

Lab Sample ID: 480-231654-6

Matrix: Solid

Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		1	753867	JMM	EET BUF	08/11/25 14:32
Total/NA	Prep	3546			753888	JMP	EET BUF	08/11/25 08:17
Total/NA	Analysis	8081B		10	753984	JLS	EET BUF	08/12/25 15:19
Total/NA	Prep	3550C			753858	SMP	EET BUF	08/11/25 07:01
Total/NA	Analysis	8082A		1	753979	MAN	EET BUF	08/12/25 11:47

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-6

Lab Sample ID: 480-231654-6

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			683892	URGB	ELLE	08/11/25 16:41
Total/NA	Analysis	1633		1	684601	P7EB	ELLE	08/14/25 01:16
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:32
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:25
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 12:03
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:43

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-7

Lab Sample ID: 480-231654-7

Date Collected: 08/07/25 11:30

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		5	753867	JMM	EET BUF	08/11/25 14:57
Total/NA	Prep	3546			753888	JMP	EET BUF	08/11/25 08:17
Total/NA	Analysis	8081B		10	753984	JLS	EET BUF	08/12/25 15:38
Total/NA	Prep	3550C			753858	SMP	EET BUF	08/11/25 07:01
Total/NA	Analysis	8082A		1	753979	MAN	EET BUF	08/12/25 12:06
Total/NA	Prep	1633 Shake			683892	URGB	ELLE	08/11/25 16:41
Total/NA	Analysis	1633		1	684601	P7EB	ELLE	08/14/25 01:30
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:41
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:27
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 12:04
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:43

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	753811	AF	EET BUF	08/08/25 15:25

Client Sample ID: SS-8

Lab Sample ID: 480-231654-8

Date Collected: 08/07/25 12:00

Matrix: Solid

Date Received: 08/07/25 15:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			753801	LSC	EET BUF	08/08/25 13:44
Total/NA	Analysis	8270D		5	753867	JMM	EET BUF	08/11/25 15:21
Total/NA	Prep	3546			753888	JMP	EET BUF	08/11/25 08:17
Total/NA	Analysis	8081B		10	753984	JLS	EET BUF	08/12/25 15:58
Total/NA	Prep	3550C			753858	SMP	EET BUF	08/11/25 07:01
Total/NA	Analysis	8082A		1	753979	MAN	EET BUF	08/12/25 12:24
Total/NA	Prep	1633 Shake			683892	URGB	ELLE	08/11/25 16:41
Total/NA	Analysis	1633		1	684601	P7EB	ELLE	08/14/25 01:43
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	753990	MP	EET BUF	08/11/25 20:43
Total/NA	Prep	3050B			753778	EMO	EET BUF	08/11/25 09:52
Total/NA	Analysis	6010D		1	754055	MP	EET BUF	08/12/25 11:38
Total/NA	Prep	7471B			753889	ESB	EET BUF	08/11/25 09:57
Total/NA	Analysis	7471B		1	753940	ESB	EET BUF	08/11/25 12:05
Total/NA	Prep	9012B			754080	AM	EET BUF	08/12/25 12:50
Total/NA	Analysis	9012B		1	754191	AM	EET BUF	08/12/25 18:46

Laboratory References:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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
1633	1633 Shake	Solid	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
1633	1633 Shake	Solid	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633 Shake	Solid	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
1633	1633 Shake	Solid	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
1633	1633 Shake	Solid	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633 Shake	Solid	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
1633	1633 Shake	Solid	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
1633	1633 Shake	Solid	Perfluoro-3-methoxypropanoic acid (PFMPA)
1633	1633 Shake	Solid	Perfluoro-4-methoxybutanoic acid (PFMBA)
1633	1633 Shake	Solid	Perfluorobutanesulfonic acid (PFBS)
1633	1633 Shake	Solid	Perfluorodecanesulfonic acid (PFDS)
1633	1633 Shake	Solid	Perfluorododecanesulfonic acid (PFDoS)
1633	1633 Shake	Solid	Perfluoroheptanesulfonic acid (PFHpS)

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
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
1633	1633 Shake	Solid	Perfluorohexanesulfonic acid (PFHxS)
1633	1633 Shake	Solid	Perfluorononanesulfonic acid (PFNS)
1633	1633 Shake	Solid	Perfluorooctanesulfonamide (PFOSA)
1633	1633 Shake	Solid	Perfluoropentanesulfonic acid (PFPeS)

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231654-1	SS-1	Solid	08/07/25 10:00	08/07/25 15:00	New York
480-231654-2	SS-2	Solid	08/07/25 10:15	08/07/25 15:00	New York
480-231654-3	SS-3	Solid	08/07/25 10:30	08/07/25 15:00	New York
480-231654-4	SS-4	Solid	08/07/25 10:45	08/07/25 15:00	New York
480-231654-5	SS-5	Solid	08/07/25 11:00	08/07/25 15:00	New York
480-231654-6	SS-6	Solid	08/07/25 11:15	08/07/25 15:00	New York
480-231654-7	SS-7	Solid	08/07/25 11:30	08/07/25 15:00	New York
480-231654-8	SS-8	Solid	08/07/25 12:00	08/07/25 15:00	New York

Quantitation Limit Exceptions Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231654-1

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

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
1633	Perfluorohexanoic acid (PFHxA)	Solid	Total/NA	ng/g	0.050	0.2

Chain of Custody Record

Client Information		Sampler: PS		Lab PM: Beninati, John	Carrier Tracking No: Hochester	COC No: 480-207058-41987.1
Client Contact: Paul Staub		Phone:		E-Mail: John.Beninati@eurofins.com	State of Origin: #484	Page: Page 1 of 1
Company: Brydges Engineering in Environment & Energy DPC		PWSID:		Job #:		
Address: 960 Busti Ave Suite B-150		Due Date Requested:		Analysis Requested		
City: Buffalo		TAT Requested (days):		Preservation Codes: N - None		
State, Zip: NY, 14213		Compliance Project: ☐ Yes ☒ No		Other:		
Phone: 716-869-1564(Tel)		PO #: Purchase Order not required		Total Number of containers		
Email: pstaub@be3corp.com		WO #:		Special Instructions/Note:		
Project Name: 2nd & Washington Street		Project #: 48028797		Field Filtered Sample (Yes or No)		
Site:		SSOW#:		Perform MS/MSD (Yes or No)		
				1333 Final - List of 40 based on EPA method		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8270D - TCL Swabs - TCS		
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				6010D, 7471B, 9012B		
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				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8081B, 8082A, 8270D		
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				8081B, 8082A, 8270D		
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				8081B, 8082A, 8270D		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
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				8270D - TCL Swabs - TCS		
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				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
				6010D, 7471B, 9012B		
				8081B, 8082A, 8270D		
				8270D - TCL Swabs - TCS		
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				8081B, 8082A, 8270D		
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				8081B, 8082A, 8270D		
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				8081B, 8082A, 8270D		
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				8		

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231654-1

Login Number: 231654

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

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	5.0 IR#SC ice
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	Brydges Engineering in Environment & Energy
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231654-1

Login Number: 231654

List Number: 2

Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 08/09/25 02:51 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Staub
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

Generated 8/19/2025 3:49:21 PM

JOB DESCRIPTION

2nd & Washington Street

JOB NUMBER

480-231732-1

Eurofins Buffalo

Job Notes

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

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Authorization



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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

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

Eurofins Buffalo

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 2nd & Washington Street

Job ID: 480-231732-1

Job ID: 480-231732-1

Eurofins Buffalo

Job Narrative 480-231732-1

Receipt

The samples were received on 8/11/2025 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.3° C and 1.7° C.

GC/MS VOA

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

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-754153 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are:RI-BH-5 (480-231732-1) and RI-BH-16 (480-231732-2).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-754153 recovered outside acceptance criteria, low biased, for Hexachlorobenzene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are:RI-BH-5 (480-231732-1) and RI-BH-16 (480-231732-2).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-754153 recovered above the upper control limit for bis (2-chloroisopropyl) ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:RI-BH-5 (480-231732-1) and RI-BH-16 (480-231732-2).

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

GC Semi VOA

Method 8081B: For method 8081, the recovery of the one surrogate in samples RI-BH-16 (480-231732-2), (480-231732-B-2-C MS) and (480-231732-B-2-D MSD) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

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

Metals

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

LCMS

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

General Chemistry

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

Organic Prep

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

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	6.6	J vs	28	4.8	ug/Kg	1	✱		8260C	Total/NA
Aluminum	4070	F1	11.7	10.0	mg/Kg	1	✱		6010D	Total/NA
Arsenic	2.0	J	2.3	1.0	mg/Kg	1	✱		6010D	Total/NA
Barium	15.2		0.58	0.16	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.38	^5-	0.23	0.047	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.12	J	0.23	0.082	mg/Kg	1	✱		6010D	Total/NA
Calcium	1460		58.3	31.4	mg/Kg	1	✱		6010D	Total/NA
Chromium	3.9		0.58	0.42	mg/Kg	1	✱		6010D	Total/NA
Cobalt	4.0		0.58	0.12	mg/Kg	1	✱		6010D	Total/NA
Copper	26.4		1.2	0.66	mg/Kg	1	✱		6010D	Total/NA
Iron	5930		11.7	9.9	mg/Kg	1	✱		6010D	Total/NA
Lead	4.4		1.2	0.54	mg/Kg	1	✱		6010D	Total/NA
Magnesium	520		23.3	9.9	mg/Kg	1	✱		6010D	Total/NA
Manganese	202	F1	1.2	0.33	mg/Kg	1	✱		6010D	Total/NA
Nickel	3.3	J	5.8	0.29	mg/Kg	1	✱		6010D	Total/NA
Potassium	514		35.0	28.2	mg/Kg	1	✱		6010D	Total/NA
Sodium	91.7	J	163	71.4	mg/Kg	1	✱		6010D	Total/NA
Vanadium	7.9		0.58	0.15	mg/Kg	1	✱		6010D	Total/NA
Zinc	19.4	^5-	2.3	1.2	mg/Kg	1	✱		6010D	Total/NA

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Anthracene	54	J	240	43	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]anthracene	120	J	240	32	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]pyrene	110	J	240	40	ug/Kg	1	✱		8270D	Total/NA
Benzo[b]fluoranthene	130	J	240	31	ug/Kg	1	✱		8270D	Total/NA
Benzo[g,h,i]perylene	63	J	240	41	ug/Kg	1	✱		8270D	Total/NA
Benzo[k]fluoranthene	84	J	240	53	ug/Kg	1	✱		8270D	Total/NA
Chrysene	140	J	240	56	ug/Kg	1	✱		8270D	Total/NA
Fluoranthene	260		240	43	ug/Kg	1	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	47	J	240	35	ug/Kg	1	✱		8270D	Total/NA
Phenanthrene	250		240	44	ug/Kg	1	✱		8270D	Total/NA
Pyrene	250		240	45	ug/Kg	1	✱		8270D	Total/NA
4,4'-DDE	2.9	J	4.5	0.93	ug/Kg	1	✱		8081B	Total/NA
4,4'-DDT	2.3	J	4.5	1.0	ug/Kg	1	✱		8081B	Total/NA
Endrin	1.1	J	4.5	0.88	ug/Kg	1	✱		8081B	Total/NA
Methoxychlor	1.6	J	4.5	0.91	ug/Kg	1	✱		8081B	Total/NA
Aluminum	20100		14.6	12.6	mg/Kg	1	✱		6010D	Total/NA
Arsenic	8.7		2.9	1.3	mg/Kg	1	✱		6010D	Total/NA
Barium	108		0.73	0.20	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.65	^5-	0.29	0.058	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.30		0.29	0.10	mg/Kg	1	✱		6010D	Total/NA
Calcium	2890		72.9	39.4	mg/Kg	1	✱		6010D	Total/NA
Chromium	22.4		0.73	0.53	mg/Kg	1	✱		6010D	Total/NA
Cobalt	9.9		0.73	0.15	mg/Kg	1	✱		6010D	Total/NA
Copper	9.1		1.5	0.83	mg/Kg	1	✱		6010D	Total/NA
Iron	33300		14.6	12.4	mg/Kg	1	✱		6010D	Total/NA
Lead	24.9		1.5	0.67	mg/Kg	1	✱		6010D	Total/NA
Magnesium	3130		29.2	12.4	mg/Kg	1	✱		6010D	Total/NA
Manganese	1110		1.5	0.41	mg/Kg	1	✱		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16 (Continued)

Lab Sample ID: 480-231732-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	15.5		7.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Potassium	2820		43.8	35.4	mg/Kg	1	✱	6010D	Total/NA
Selenium	2.6	J	5.8	1.2	mg/Kg	1	✱	6010D	Total/NA
Silver	0.29	J ^5-	0.88	0.29	mg/Kg	1	✱	6010D	Total/NA
Sodium	127	J	204	89.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	42.1		0.73	0.19	mg/Kg	1	✱	6010D	Total/NA
Zinc	63.3	^5-	2.9	1.5	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.053		0.027	0.0062	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-1 N

Lab Sample ID: 480-231732-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8710		11.2	9.7	mg/Kg	1	✱	6010D	Total/NA
Arsenic	19.2		2.2	0.99	mg/Kg	1	✱	6010D	Total/NA
Barium	574		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.6	^5-	0.22	0.045	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.95		0.22	0.078	mg/Kg	1	✱	6010D	Total/NA
Calcium	7110		56.1	30.3	mg/Kg	1	✱	6010D	Total/NA
Chromium	19.9		0.56	0.40	mg/Kg	1	✱	6010D	Total/NA
Cobalt	9.6		0.56	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	80.3		1.1	0.64	mg/Kg	1	✱	6010D	Total/NA
Iron	22300		11.2	9.5	mg/Kg	1	✱	6010D	Total/NA
Lead	656		1.1	0.52	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1110		22.4	9.5	mg/Kg	1	✱	6010D	Total/NA
Manganese	240		1.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Nickel	24.5		5.6	0.28	mg/Kg	1	✱	6010D	Total/NA
Potassium	859		33.6	27.2	mg/Kg	1	✱	6010D	Total/NA
Selenium	0.93	J	4.5	0.90	mg/Kg	1	✱	6010D	Total/NA
Silver	0.22	J ^5-	0.67	0.22	mg/Kg	1	✱	6010D	Total/NA
Sodium	386		157	68.7	mg/Kg	1	✱	6010D	Total/NA
Vanadium	26.9		0.56	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	731	^5-	11.2	5.7	mg/Kg	5	✱	6010D	Total/NA
Mercury	0.17		0.022	0.0052	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-1 S

Lab Sample ID: 480-231732-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	10200		14.2	12.3	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.3		2.8	1.3	mg/Kg	1	✱	6010D	Total/NA
Barium	114		0.71	0.20	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.77	^5-	0.28	0.057	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.47		0.28	0.10	mg/Kg	1	✱	6010D	Total/NA
Calcium	6460		71.1	38.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	17.3		0.71	0.51	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.3		0.71	0.14	mg/Kg	1	✱	6010D	Total/NA
Copper	24.9		1.4	0.81	mg/Kg	1	✱	6010D	Total/NA
Iron	31300		14.2	12.1	mg/Kg	1	✱	6010D	Total/NA
Lead	131		1.4	0.65	mg/Kg	1	✱	6010D	Total/NA
Magnesium	1190		28.5	12.1	mg/Kg	1	✱	6010D	Total/NA
Manganese	987		1.4	0.40	mg/Kg	1	✱	6010D	Total/NA
Nickel	17.4		7.1	0.36	mg/Kg	1	✱	6010D	Total/NA
Potassium	1420		42.7	34.5	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 S (Continued)

Lab Sample ID: 480-231732-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.3	J	5.7	1.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	138	J	199	87.2	mg/Kg	1	✱	6010D	Total/NA
Vanadium	24.9		0.71	0.18	mg/Kg	1	✱	6010D	Total/NA
Zinc	123	^5-	2.8	1.5	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.079		0.028	0.0065	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-1 W

Lab Sample ID: 480-231732-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	12700		14.1	12.1	mg/Kg	1	✱	6010D	Total/NA
Arsenic	29.5		2.8	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	150		0.70	0.20	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.3	^5-	0.28	0.056	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.25	J	0.28	0.099	mg/Kg	1	✱	6010D	Total/NA
Calcium	5330		70.4	38.0	mg/Kg	1	✱	6010D	Total/NA
Chromium	18.9		0.70	0.51	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.1		0.70	0.14	mg/Kg	1	✱	6010D	Total/NA
Copper	29.1		1.4	0.80	mg/Kg	1	✱	6010D	Total/NA
Iron	27800		14.1	11.9	mg/Kg	1	✱	6010D	Total/NA
Lead	249		1.4	0.65	mg/Kg	1	✱	6010D	Total/NA
Magnesium	460		28.2	11.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	52.2		1.4	0.39	mg/Kg	1	✱	6010D	Total/NA
Nickel	19.1		7.0	0.35	mg/Kg	1	✱	6010D	Total/NA
Potassium	1440		42.2	34.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	651		197	86.3	mg/Kg	1	✱	6010D	Total/NA
Vanadium	33.0		0.70	0.18	mg/Kg	1	✱	6010D	Total/NA
Zinc	56.4	^5-	2.8	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.033		0.027	0.0063	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-1 E

Lab Sample ID: 480-231732-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6250		11.4	9.9	mg/Kg	1	✱	6010D	Total/NA
Arsenic	19.0		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	417		0.57	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.68	^5-	0.23	0.046	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.65		0.23	0.080	mg/Kg	1	✱	6010D	Total/NA
Calcium	4500		57.2	30.9	mg/Kg	1	✱	6010D	Total/NA
Chromium	19.3		0.57	0.41	mg/Kg	1	✱	6010D	Total/NA
Cobalt	7.0		0.57	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	82.8		1.1	0.65	mg/Kg	1	✱	6010D	Total/NA
Iron	29500		11.4	9.7	mg/Kg	1	✱	6010D	Total/NA
Lead	399		1.1	0.53	mg/Kg	1	✱	6010D	Total/NA
Magnesium	645		22.9	9.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	211		1.1	0.32	mg/Kg	1	✱	6010D	Total/NA
Nickel	61.3		5.7	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	692		34.3	27.7	mg/Kg	1	✱	6010D	Total/NA
Selenium	2.3	J	4.6	0.91	mg/Kg	1	✱	6010D	Total/NA
Sodium	244		160	70.1	mg/Kg	1	✱	6010D	Total/NA
Vanadium	19.0		0.57	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	435	^5-	11.4	5.8	mg/Kg	5	✱	6010D	Total/NA
Mercury	0.18		0.024	0.0054	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 E (Continued)

Lab Sample ID: 480-231732-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	1.3		1.1	0.53	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: STP-2 N

Lab Sample ID: 480-231732-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7980		10.2	8.8	mg/Kg	1	✱	6010D	Total/NA
Arsenic	11.9		2.0	0.90	mg/Kg	1	✱	6010D	Total/NA
Barium	103		0.51	0.14	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.61	^5-	0.20	0.041	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.44		0.20	0.072	mg/Kg	1	✱	6010D	Total/NA
Calcium	18000		51.2	27.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	16.5		0.51	0.37	mg/Kg	1	✱	6010D	Total/NA
Cobalt	6.8		0.51	0.10	mg/Kg	1	✱	6010D	Total/NA
Copper	87.8		1.0	0.58	mg/Kg	1	✱	6010D	Total/NA
Iron	25300		10.2	8.7	mg/Kg	1	✱	6010D	Total/NA
Lead	101		1.0	0.47	mg/Kg	1	✱	6010D	Total/NA
Magnesium	999		20.5	8.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	1520		1.0	0.29	mg/Kg	1	✱	6010D	Total/NA
Nickel	16.7		5.1	0.26	mg/Kg	1	✱	6010D	Total/NA
Potassium	1020		30.7	24.8	mg/Kg	1	✱	6010D	Total/NA
Selenium	2.8	J	4.1	0.82	mg/Kg	1	✱	6010D	Total/NA
Silver	0.22	J ^5-	0.61	0.20	mg/Kg	1	✱	6010D	Total/NA
Sodium	208		143	62.8	mg/Kg	1	✱	6010D	Total/NA
Vanadium	18.6		0.51	0.13	mg/Kg	1	✱	6010D	Total/NA
Zinc	159	^5-	2.0	1.0	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.078		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-2 S

Lab Sample ID: 480-231732-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	19300		12.7	11.0	mg/Kg	1	✱	6010D	Total/NA
Arsenic	14.2		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	190		0.64	0.18	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.1	^5-	0.25	0.051	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.40		0.25	0.089	mg/Kg	1	✱	6010D	Total/NA
Calcium	3390		63.7	34.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	25.7		0.64	0.46	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13.9		0.64	0.13	mg/Kg	1	✱	6010D	Total/NA
Copper	39.3		1.3	0.73	mg/Kg	1	✱	6010D	Total/NA
Iron	31800		12.7	10.8	mg/Kg	1	✱	6010D	Total/NA
Lead	177		1.3	0.59	mg/Kg	1	✱	6010D	Total/NA
Magnesium	4170		25.5	10.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	380		1.3	0.36	mg/Kg	1	✱	6010D	Total/NA
Nickel	39.7		6.4	0.32	mg/Kg	1	✱	6010D	Total/NA
Potassium	3530		38.2	30.9	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.1	J	5.1	1.0	mg/Kg	1	✱	6010D	Total/NA
Silver	0.35	J ^5-	0.76	0.25	mg/Kg	1	✱	6010D	Total/NA
Sodium	173	J	178	78.1	mg/Kg	1	✱	6010D	Total/NA
Vanadium	40.5		0.64	0.17	mg/Kg	1	✱	6010D	Total/NA
Zinc	154	^5-	2.5	1.3	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.13		0.024	0.0056	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 W

Lab Sample ID: 480-231732-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	7430		10.8	9.3	mg/Kg	1	✱		6010D	Total/NA
Arsenic	19.3		2.2	0.95	mg/Kg	1	✱		6010D	Total/NA
Barium	144		0.54	0.15	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.65	^5-	0.22	0.043	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.41		0.22	0.076	mg/Kg	1	✱		6010D	Total/NA
Calcium	16700		54.0	29.1	mg/Kg	1	✱		6010D	Total/NA
Chromium	21.3		0.54	0.39	mg/Kg	1	✱		6010D	Total/NA
Cobalt	6.1		0.54	0.11	mg/Kg	1	✱		6010D	Total/NA
Copper	202		1.1	0.62	mg/Kg	1	✱		6010D	Total/NA
Iron	32700		10.8	9.2	mg/Kg	1	✱		6010D	Total/NA
Lead	267		1.1	0.50	mg/Kg	1	✱		6010D	Total/NA
Magnesium	1230		21.6	9.2	mg/Kg	1	✱		6010D	Total/NA
Manganese	1120		1.1	0.30	mg/Kg	1	✱		6010D	Total/NA
Nickel	23.8		5.4	0.27	mg/Kg	1	✱		6010D	Total/NA
Potassium	1010		32.4	26.2	mg/Kg	1	✱		6010D	Total/NA
Selenium	2.4	J	4.3	0.86	mg/Kg	1	✱		6010D	Total/NA
Silver	0.22	J ^5-	0.65	0.22	mg/Kg	1	✱		6010D	Total/NA
Sodium	248		151	66.2	mg/Kg	1	✱		6010D	Total/NA
Vanadium	19.9		0.54	0.14	mg/Kg	1	✱		6010D	Total/NA
Zinc	186	^5-	2.2	1.1	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.098		0.021	0.0048	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: STP-2 E

Lab Sample ID: 480-231732-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	12800		10.8	9.3	mg/Kg	1	✱		6010D	Total/NA
Arsenic	9.2		2.2	0.95	mg/Kg	1	✱		6010D	Total/NA
Barium	150		0.54	0.15	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.80	^5-	0.22	0.043	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.35		0.22	0.076	mg/Kg	1	✱		6010D	Total/NA
Calcium	10300		54.0	29.1	mg/Kg	1	✱		6010D	Total/NA
Chromium	18.1		0.54	0.39	mg/Kg	1	✱		6010D	Total/NA
Cobalt	8.8		0.54	0.11	mg/Kg	1	✱		6010D	Total/NA
Copper	34.6		1.1	0.62	mg/Kg	1	✱		6010D	Total/NA
Iron	21600		10.8	9.2	mg/Kg	1	✱		6010D	Total/NA
Lead	154		1.1	0.50	mg/Kg	1	✱		6010D	Total/NA
Magnesium	2460		21.6	9.2	mg/Kg	1	✱		6010D	Total/NA
Manganese	866		1.1	0.30	mg/Kg	1	✱		6010D	Total/NA
Nickel	23.0		5.4	0.27	mg/Kg	1	✱		6010D	Total/NA
Potassium	2040		32.4	26.2	mg/Kg	1	✱		6010D	Total/NA
Selenium	1.4	J	4.3	0.86	mg/Kg	1	✱		6010D	Total/NA
Silver	0.22	J ^5-	0.65	0.22	mg/Kg	1	✱		6010D	Total/NA
Sodium	186		151	66.2	mg/Kg	1	✱		6010D	Total/NA
Vanadium	26.5		0.54	0.14	mg/Kg	1	✱		6010D	Total/NA
Zinc	146	^5-	2.2	1.1	mg/Kg	1	✱		6010D	Total/NA
Mercury	0.19		0.022	0.0050	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: STP-3 N

Lab Sample ID: 480-231732-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	9570		13.6	11.7	mg/Kg	1	✱		6010D	Total/NA
Arsenic	6.9		2.7	1.2	mg/Kg	1	✱		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 N (Continued)

Lab Sample ID: 480-231732-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	116		0.68	0.19	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.49	^5-	0.27	0.054	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.75		0.27	0.095	mg/Kg	1	✱	6010D	Total/NA
Calcium	25500		67.9	36.6	mg/Kg	1	✱	6010D	Total/NA
Chromium	13.3		0.68	0.49	mg/Kg	1	✱	6010D	Total/NA
Cobalt	6.4		0.68	0.14	mg/Kg	1	✱	6010D	Total/NA
Copper	33.3		1.4	0.77	mg/Kg	1	✱	6010D	Total/NA
Iron	31500		13.6	11.5	mg/Kg	1	✱	6010D	Total/NA
Lead	140		1.4	0.62	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2910		27.1	11.5	mg/Kg	1	✱	6010D	Total/NA
Manganese	445		1.4	0.38	mg/Kg	1	✱	6010D	Total/NA
Nickel	20.6		6.8	0.34	mg/Kg	1	✱	6010D	Total/NA
Potassium	1110		40.7	32.9	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.3	J	5.4	1.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	117	J	190	83.2	mg/Kg	1	✱	6010D	Total/NA
Vanadium	23.4		0.68	0.18	mg/Kg	1	✱	6010D	Total/NA
Zinc	240	^5-	2.7	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.17		0.027	0.0062	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-3 S

Lab Sample ID: 480-231732-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4780		14.1	12.2	mg/Kg	1	✱	6010D	Total/NA
Arsenic	15.8		2.8	1.2	mg/Kg	1	✱	6010D	Total/NA
Barium	80.5		0.71	0.20	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.1	^5-	0.28	0.056	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.13	J	0.28	0.099	mg/Kg	1	✱	6010D	Total/NA
Calcium	3480		70.5	38.1	mg/Kg	1	✱	6010D	Total/NA
Chromium	8.4		0.71	0.51	mg/Kg	1	✱	6010D	Total/NA
Cobalt	8.2		0.71	0.14	mg/Kg	1	✱	6010D	Total/NA
Copper	60.7		1.4	0.80	mg/Kg	1	✱	6010D	Total/NA
Iron	31000		14.1	12.0	mg/Kg	1	✱	6010D	Total/NA
Lead	37.9		1.4	0.65	mg/Kg	1	✱	6010D	Total/NA
Magnesium	238		28.2	12.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	61.4		1.4	0.40	mg/Kg	1	✱	6010D	Total/NA
Nickel	17.9		7.1	0.35	mg/Kg	1	✱	6010D	Total/NA
Potassium	485		42.3	34.2	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.6	J	5.6	1.1	mg/Kg	1	✱	6010D	Total/NA
Sodium	105	J	198	86.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	20.2		0.71	0.18	mg/Kg	1	✱	6010D	Total/NA
Zinc	37.4	^5-	2.8	1.4	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.11		0.029	0.0066	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-3 W

Lab Sample ID: 480-231732-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4970		12.3	10.6	mg/Kg	1	✱	6010D	Total/NA
Arsenic	11.7		2.5	1.1	mg/Kg	1	✱	6010D	Total/NA
Barium	56.9		0.62	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.77	^5-	0.25	0.049	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.18	J	0.25	0.086	mg/Kg	1	✱	6010D	Total/NA
Calcium	3500		61.5	33.2	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 W (Continued)

Lab Sample ID: 480-231732-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chromium	9.3		0.62	0.44	mg/Kg	1		✖	6010D	Total/NA
Cobalt	8.1		0.62	0.12	mg/Kg	1		✖	6010D	Total/NA
Copper	69.9		1.2	0.70	mg/Kg	1		✖	6010D	Total/NA
Iron	37800		12.3	10.4	mg/Kg	1		✖	6010D	Total/NA
Lead	95.9		1.2	0.57	mg/Kg	1		✖	6010D	Total/NA
Magnesium	203		24.6	10.4	mg/Kg	1		✖	6010D	Total/NA
Manganese	95.1		1.2	0.34	mg/Kg	1		✖	6010D	Total/NA
Nickel	16.8		6.2	0.31	mg/Kg	1		✖	6010D	Total/NA
Potassium	339		36.9	29.8	mg/Kg	1		✖	6010D	Total/NA
Sodium	101	J	172	75.5	mg/Kg	1		✖	6010D	Total/NA
Vanadium	19.0		0.62	0.16	mg/Kg	1		✖	6010D	Total/NA
Zinc	47.3	^5-	2.5	1.3	mg/Kg	1		✖	6010D	Total/NA
Mercury	0.051		0.025	0.0057	mg/Kg	1		✖	7471B	Total/NA

Client Sample ID: STP-3 E

Lab Sample ID: 480-231732-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	5140		11.7	10.1	mg/Kg	1		✖	6010D	Total/NA
Arsenic	10.7		2.3	1.0	mg/Kg	1		✖	6010D	Total/NA
Barium	83.1		0.58	0.16	mg/Kg	1		✖	6010D	Total/NA
Beryllium	0.81	^5-	0.23	0.047	mg/Kg	1		✖	6010D	Total/NA
Cadmium	0.26		0.23	0.082	mg/Kg	1		✖	6010D	Total/NA
Calcium	4820		58.4	31.5	mg/Kg	1		✖	6010D	Total/NA
Chromium	11.1		0.58	0.42	mg/Kg	1		✖	6010D	Total/NA
Cobalt	7.0		0.58	0.12	mg/Kg	1		✖	6010D	Total/NA
Copper	74.0		1.2	0.67	mg/Kg	1		✖	6010D	Total/NA
Iron	29000		11.7	9.9	mg/Kg	1		✖	6010D	Total/NA
Lead	226		1.2	0.54	mg/Kg	1		✖	6010D	Total/NA
Magnesium	567		23.3	9.9	mg/Kg	1		✖	6010D	Total/NA
Manganese	128		1.2	0.33	mg/Kg	1		✖	6010D	Total/NA
Nickel	15.9		5.8	0.29	mg/Kg	1		✖	6010D	Total/NA
Potassium	622		35.0	28.3	mg/Kg	1		✖	6010D	Total/NA
Selenium	1.0	J	4.7	0.93	mg/Kg	1		✖	6010D	Total/NA
Sodium	113	J	163	71.6	mg/Kg	1		✖	6010D	Total/NA
Vanadium	18.1		0.58	0.15	mg/Kg	1		✖	6010D	Total/NA
Zinc	79.4	^5-	2.3	1.2	mg/Kg	1		✖	6010D	Total/NA
Mercury	0.18		0.022	0.0050	mg/Kg	1		✖	7471B	Total/NA

Client Sample ID: STP-4 N

Lab Sample ID: 480-231732-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	16100		11.7	10.1	mg/Kg	1		✖	6010D	Total/NA
Arsenic	12.9		2.3	1.0	mg/Kg	1		✖	6010D	Total/NA
Barium	491		0.58	0.16	mg/Kg	1		✖	6010D	Total/NA
Beryllium	0.97	^5-	0.23	0.047	mg/Kg	1		✖	6010D	Total/NA
Cadmium	1.6		0.23	0.082	mg/Kg	1		✖	6010D	Total/NA
Calcium	10900		58.3	31.5	mg/Kg	1		✖	6010D	Total/NA
Chromium	42.7		0.58	0.42	mg/Kg	1		✖	6010D	Total/NA
Cobalt	11.8		0.58	0.12	mg/Kg	1		✖	6010D	Total/NA
Copper	761		1.2	0.67	mg/Kg	1		✖	6010D	Total/NA
Iron	26900		11.7	9.9	mg/Kg	1		✖	6010D	Total/NA
Lead	1090		1.2	0.54	mg/Kg	1		✖	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 N (Continued)

Lab Sample ID: 480-231732-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	2970		23.3	9.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	330		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	37.7		5.8	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	2900		35.0	28.3	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.4	J	4.7	0.93	mg/Kg	1	✱	6010D	Total/NA
Silver	0.79	^5-	0.70	0.23	mg/Kg	1	✱	6010D	Total/NA
Sodium	220		163	71.5	mg/Kg	1	✱	6010D	Total/NA
Vanadium	32.3		0.58	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	1180	^5-	23.3	11.9	mg/Kg	10	✱	6010D	Total/NA
Mercury	0.80		0.023	0.0054	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: STP-4 S

Lab Sample ID: 480-231732-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16500		11.7	10.0	mg/Kg	1	✱	6010D	Total/NA
Arsenic	13.7		2.3	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	537		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.99	^5-	0.23	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.99		0.23	0.082	mg/Kg	1	✱	6010D	Total/NA
Calcium	7350		58.3	31.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	168		0.58	0.42	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13.4		0.58	0.12	mg/Kg	1	✱	6010D	Total/NA
Copper	91.4		1.2	0.66	mg/Kg	1	✱	6010D	Total/NA
Iron	37600		11.7	9.9	mg/Kg	1	✱	6010D	Total/NA
Lead	1120		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3500		23.3	9.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	430		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	39.8		5.8	0.29	mg/Kg	1	✱	6010D	Total/NA
Potassium	3390		35.0	28.2	mg/Kg	1	✱	6010D	Total/NA
Selenium	1.3	J	4.7	0.93	mg/Kg	1	✱	6010D	Total/NA
Silver	0.85	^5-	0.70	0.23	mg/Kg	1	✱	6010D	Total/NA
Sodium	222		163	71.4	mg/Kg	1	✱	6010D	Total/NA
Vanadium	32.2		0.58	0.15	mg/Kg	1	✱	6010D	Total/NA
Zinc	686	^5-	11.7	5.9	mg/Kg	5	✱	6010D	Total/NA
Mercury	2.3		0.12	0.028	mg/Kg	5	✱	7471B	Total/NA
Cyanide, Total	0.91	J	1.1	0.54	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: STP-4 W

Lab Sample ID: 480-231732-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	15200		11.3	9.7	mg/Kg	1	✱	6010D	Total/NA
Arsenic	13.2		2.3	0.99	mg/Kg	1	✱	6010D	Total/NA
Barium	403		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	1.2	^5-	0.23	0.045	mg/Kg	1	✱	6010D	Total/NA
Cadmium	1.1		0.23	0.079	mg/Kg	1	✱	6010D	Total/NA
Calcium	8650		56.4	30.4	mg/Kg	1	✱	6010D	Total/NA
Chromium	39.6		0.56	0.41	mg/Kg	1	✱	6010D	Total/NA
Cobalt	11.6		0.56	0.11	mg/Kg	1	✱	6010D	Total/NA
Copper	107		1.1	0.64	mg/Kg	1	✱	6010D	Total/NA
Iron	31600		11.3	9.6	mg/Kg	1	✱	6010D	Total/NA
Lead	2460		1.1	0.52	mg/Kg	1	✱	6010D	Total/NA
Magnesium	3040		22.6	9.6	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 W (Continued)

Lab Sample ID: 480-231732-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Manganese	402		1.1	0.32	mg/Kg	1		✱	6010D	Total/NA
Nickel	37.9		5.6	0.28	mg/Kg	1		✱	6010D	Total/NA
Potassium	2950		33.8	27.3	mg/Kg	1		✱	6010D	Total/NA
Selenium	1.8	J	4.5	0.90	mg/Kg	1		✱	6010D	Total/NA
Silver	0.68	^5-	0.68	0.23	mg/Kg	1		✱	6010D	Total/NA
Sodium	145	J	158	69.2	mg/Kg	1		✱	6010D	Total/NA
Vanadium	30.5		0.56	0.15	mg/Kg	1		✱	6010D	Total/NA
Zinc	652	^5-	11.3	5.8	mg/Kg	5		✱	6010D	Total/NA
Mercury	1.7		0.021	0.0049	mg/Kg	1		✱	7471B	Total/NA
Cyanide, Total	0.59	J	1.1	0.51	mg/Kg	1		✱	9012B	Total/NA

Client Sample ID: STP-4 E

Lab Sample ID: 480-231732-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	10000		11.1	9.6	mg/Kg	1		✱	6010D	Total/NA
Arsenic	9.8		2.2	0.98	mg/Kg	1		✱	6010D	Total/NA
Barium	411		0.55	0.16	mg/Kg	1		✱	6010D	Total/NA
Beryllium	0.59	^5-	0.22	0.044	mg/Kg	1		✱	6010D	Total/NA
Cadmium	0.79		0.22	0.078	mg/Kg	1		✱	6010D	Total/NA
Calcium	9950		55.5	29.9	mg/Kg	1		✱	6010D	Total/NA
Chromium	28.1		0.55	0.40	mg/Kg	1		✱	6010D	Total/NA
Cobalt	8.2		0.55	0.11	mg/Kg	1		✱	6010D	Total/NA
Copper	56.6		1.1	0.63	mg/Kg	1		✱	6010D	Total/NA
Iron	21300		11.1	9.4	mg/Kg	1		✱	6010D	Total/NA
Lead	1180		1.1	0.51	mg/Kg	1		✱	6010D	Total/NA
Magnesium	2110		22.2	9.4	mg/Kg	1		✱	6010D	Total/NA
Manganese	270		1.1	0.31	mg/Kg	1		✱	6010D	Total/NA
Nickel	22.2		5.5	0.28	mg/Kg	1		✱	6010D	Total/NA
Potassium	2110		33.3	26.9	mg/Kg	1		✱	6010D	Total/NA
Selenium	1.1	J	4.4	0.89	mg/Kg	1		✱	6010D	Total/NA
Silver	0.40	J ^5-	0.67	0.22	mg/Kg	1		✱	6010D	Total/NA
Sodium	153	J	155	68.0	mg/Kg	1		✱	6010D	Total/NA
Vanadium	20.2		0.55	0.14	mg/Kg	1		✱	6010D	Total/NA
Zinc	595	^5-	11.1	5.7	mg/Kg	5		✱	6010D	Total/NA
Mercury	2.4		0.11	0.025	mg/Kg	5		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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	5.7	0.41	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.92	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,1,2-Trichloroethane	ND	vs	5.7	0.74	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,1-Dichloroethane	ND	vs	5.7	0.69	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,1-Dichloroethene	ND	vs	5.7	0.70	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.35	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2-Dichlorobenzene	ND	vs	5.7	0.44	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2-Dichloroethane	ND	vs	5.7	0.29	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2-Dichloropropane	ND	vs	5.7	2.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,4-Dichlorobenzene	ND	vs	5.7	0.80	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
2-Butanone (MEK)	ND	vs	28	2.1	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.9	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Acetone	6.6	J vs	28	4.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Benzene	ND	vs	5.7	0.28	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Bromoform	ND	vs	5.7	2.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Bromomethane	ND	vs	5.7	0.51	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Carbon disulfide	ND	vs	5.7	2.8	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Carbon tetrachloride	ND	vs	5.7	0.55	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Chlorobenzene	ND	vs	5.7	0.75	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Dibromochloromethane	ND	vs	5.7	0.73	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Chloroform	ND	vs	5.7	0.35	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Chloromethane	ND	vs	5.7	0.34	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.73	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Cyclohexane	ND	vs	5.7	0.80	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Bromodichloromethane	ND	vs	5.7	0.76	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Ethylbenzene	ND	vs	5.7	0.39	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
1,2-Dibromoethane	ND	vs	5.7	0.73	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Isopropylbenzene	ND	vs	5.7	0.86	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Methylcyclohexane	ND	vs	5.7	0.86	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Methylene Chloride	ND	vs	5.7	2.6	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Tetrachloroethene	ND	vs	5.7	0.76	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Toluene	ND	vs	5.7	0.43	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
trans-1,2-Dichloroethene	ND	vs	5.7	0.59	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Trichloroethene	ND	vs	5.7	1.3	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Vinyl chloride	ND	vs	5.7	0.69	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Xylenes, Total	ND	vs	11	0.96	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.82	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1
Styrene	ND	vs	5.7	0.28	ug/Kg	✱	08/12/25 18:51	08/13/25 02:40	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	08/12/25 18:51	08/13/25 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				08/12/25 18:51	08/13/25 02:40	1
4-Bromofluorobenzene (Surr)	93		72 - 126				08/12/25 18:51	08/13/25 02:40	1
Toluene-d8 (Surr)	98		71 - 125				08/12/25 18:51	08/13/25 02:40	1
Dibromofluoromethane (Surr)	100		60 - 140				08/12/25 18:51	08/13/25 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Methylnaphthalene	ND		190	30	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Methylphenol	ND		190	31	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Nitroaniline	ND		370	33	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
2-Nitrophenol	ND		190	22	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
3-Nitroaniline	ND		370	27	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Chloroaniline	ND		190	28	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Methylphenol	ND		370	34	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Nitroaniline	ND		370	28	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
4-Nitrophenol	ND		370	52	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Acenaphthene	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Acenaphthylene	ND		190	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Acetophenone	ND		190	34	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Anthracene	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Atrazine	ND		190	65	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzaldehyde	ND		190	150	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzo[a]anthracene	ND		190	26	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzo[a]pyrene	ND		190	33	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzo[b]fluoranthene	ND		190	26	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzo[g,h,i]perylene	ND		190	33	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Benzo[k]fluoranthene	ND		190	43	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		190	44	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Carbazole	ND		190	38	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Chrysene	ND		190	46	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Dibenzofuran	ND		190	34	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Di-n-octyl phthalate	ND		190	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Fluoranthene	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Fluorene	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Hexachlorocyclopentadiene	ND		370	84	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Hexachloroethane	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Indeno[1,2,3-cd]pyrene	ND		190	29	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Isophorone	ND		190	39	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Naphthalene	ND		190	32	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Nitrobenzene	ND		190	32	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Pentachlorophenol	ND		370	61	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Phenanthrene	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Phenol	ND		190	35	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1
Pyrene	ND		190	36	ug/Kg	☼	08/12/25 13:36	08/13/25 14:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Octane	450	T J N	ug/Kg	☼	2.35	111-65-9	08/12/25 13:36	08/13/25 14:38	1
Unknown	3200	T J	ug/Kg	☼	3.04	N/A	08/12/25 13:36	08/13/25 14:38	1
Octane, 4-methyl-	470	T J N	ug/Kg	☼	3.42	2216-34-4	08/12/25 13:36	08/13/25 14:38	1
Unknown	860	T J	ug/Kg	☼	3.55	N/A	08/12/25 13:36	08/13/25 14:38	1
Unknown	340	T J	ug/Kg	☼	3.78	N/A	08/12/25 13:36	08/13/25 14:38	1
Nonane	1000	T J N	ug/Kg	☼	3.99	111-84-2	08/12/25 13:36	08/13/25 14:38	1
Unknown	430	T J	ug/Kg	☼	4.62	N/A	08/12/25 13:36	08/13/25 14:38	1
Unknown	690	T J	ug/Kg	☼	4.70	N/A	08/12/25 13:36	08/13/25 14:38	1
Nonane, 4-methyl-	580	T J N	ug/Kg	☼	4.79	17301-94-9	08/12/25 13:36	08/13/25 14:38	1
Unknown	580	T J	ug/Kg	☼	4.90	N/A	08/12/25 13:36	08/13/25 14:38	1
Unknown	430	T J	ug/Kg	☼	5.06	N/A	08/12/25 13:36	08/13/25 14:38	1
Benzene, 1,3,5-trimethyl-	340	T J N	ug/Kg	☼	5.18	108-67-8	08/12/25 13:36	08/13/25 14:38	1
Decane	990	T J N	ug/Kg	☼	5.23	124-18-5	08/12/25 13:36	08/13/25 14:38	1
cis-4-Decene	370	T J N	ug/Kg	☼	5.28	19398-88-0	08/12/25 13:36	08/13/25 14:38	1
Decane, 5-methyl-	360	T J N	ug/Kg	☼	5.80	13151-35-4	08/12/25 13:36	08/13/25 14:38	1
Unknown	450	T J	ug/Kg	☼	5.87	N/A	08/12/25 13:36	08/13/25 14:38	1
Decane, 3-methyl-	750	T J N	ug/Kg	☼	5.93	13151-34-3	08/12/25 13:36	08/13/25 14:38	1
Undecane	530	T J N	ug/Kg	☼	6.20	1120-21-4	08/12/25 13:36	08/13/25 14:38	1
Unknown	350	T J	ug/Kg	☼	6.66	N/A	08/12/25 13:36	08/13/25 14:38	1
Unknown	460	T J	ug/Kg	☼	7.01	N/A	08/12/25 13:36	08/13/25 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		22 - 120	08/12/25 13:36	08/13/25 14:38	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	74		28 - 124	08/12/25 13:36	08/13/25 14:38	1
Phenol-d5 (Surr)	81		23 - 120	08/12/25 13:36	08/13/25 14:38	1
2-Fluorophenol (Surr)	85		18 - 120	08/12/25 13:36	08/13/25 14:38	1
2,4,6-Tribromophenol (Surr)	53		10 - 140	08/12/25 13:36	08/13/25 14:38	1
2-Fluorobiphenyl (Surr)	89		29 - 120	08/12/25 13:36	08/13/25 14:38	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.74	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
4,4'-DDE	ND		3.8	0.80	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
4,4'-DDT	ND		3.8	0.89	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
beta-BHC	ND		3.8	0.68	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
alpha-BHC	ND		3.8	0.68	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Aldrin	ND		3.8	0.94	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
delta-BHC	ND		3.8	0.71	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Dieldrin	ND		3.8	0.91	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endosulfan I	ND		3.8	0.73	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endosulfan II	ND		3.8	0.68	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endosulfan sulfate	ND		3.8	0.71	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endrin	ND		3.8	0.75	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endrin aldehyde	ND		3.8	0.97	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Endrin ketone	ND		3.8	0.94	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
gamma-BHC (Lindane)	ND		3.8	0.70	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Heptachlor	ND		3.8	0.82	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Heptachlor epoxide	ND		3.8	0.98	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Methoxychlor	ND		3.8	0.78	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1
Toxaphene	ND		38	22	ug/Kg	☆	08/13/25 06:43	08/14/25 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		45 - 120	08/13/25 06:43	08/14/25 10:59	1
DCB Decachlorobiphenyl	82		45 - 120	08/13/25 06:43	08/14/25 10:59	1
Tetrachloro-m-xylene	54		30 - 124	08/13/25 06:43	08/14/25 10:59	1
Tetrachloro-m-xylene	59		30 - 124	08/13/25 06:43	08/14/25 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1221	ND		0.25	0.049	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1232	ND		0.25	0.049	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1242	ND		0.25	0.049	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1248	ND		0.25	0.049	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1254	ND		0.25	0.12	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1
PCB-1260	ND		0.25	0.12	mg/Kg	☆	08/12/25 13:40	08/13/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154	08/12/25 13:40	08/13/25 12:06	1
Tetrachloro-m-xylene	116		60 - 154	08/12/25 13:40	08/13/25 12:06	1
DCB Decachlorobiphenyl	136		65 - 174	08/12/25 13:40	08/13/25 12:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		65 - 174	08/12/25 13:40	08/13/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.088	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.079	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	08/14/25 15:06	08/19/25 01:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	66.8		8 - 130	08/14/25 15:06	08/19/25 01:24	1
13C5-PFPeA	70.6		35 - 130	08/14/25 15:06	08/19/25 01:24	1
13C5-PFHxA	67.9		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C4-PFHpA	74.4		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C8-PFOA	71.0		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C9-PFNA	81.6		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C6-PFDA	76.5		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C7-PFUnA	69.7		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C2-PFTeDA	47.5		20 - 130	08/14/25 15:06	08/19/25 01:24	1
13C3-PFBS	76.7		40 - 135	08/14/25 15:06	08/19/25 01:24	1
13C3-PFHxS	79.5		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C8-PFOS	80.2		40 - 130	08/14/25 15:06	08/19/25 01:24	1
13C8-PFOSA	64.5		40 - 130	08/14/25 15:06	08/19/25 01:24	1
d3-NMeFOSAA	80.6		40 - 135	08/14/25 15:06	08/19/25 01:24	1
d5-NEtFOSAA	70.4		40 - 150	08/14/25 15:06	08/19/25 01:24	1
13C2 4:2 FTS	107		40 - 165	08/14/25 15:06	08/19/25 01:24	1
13C2 6:2 FTS	109		40 - 215	08/14/25 15:06	08/19/25 01:24	1
13C2 8:2 FTS	112		40 - 275	08/14/25 15:06	08/19/25 01:24	1
13C3-HFPO-DA	69.6		40 - 130	08/14/25 15:06	08/19/25 01:24	1
D7-NMeFOSE	58.0		20 - 130	08/14/25 15:06	08/19/25 01:24	1
D9-NEtFOSE	48.5		15 - 130	08/14/25 15:06	08/19/25 01:24	1
d5-NEtPFOSA	45.2		10 - 130	08/14/25 15:06	08/19/25 01:24	1
d3-NMePFOSA	53.8		10 - 130	08/14/25 15:06	08/19/25 01:24	1
13C2 PFDoA	58.5		40 - 130	08/14/25 15:06	08/19/25 01:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4070	F1	11.7	10.0	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Antimony	ND		17.5	0.62	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Arsenic	2.0	J	2.3	1.0	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Barium	15.2		0.58	0.16	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Beryllium	0.38	^5-	0.23	0.047	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Cadmium	0.12	J	0.23	0.082	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Calcium	1460		58.3	31.4	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Chromium	3.9		0.58	0.42	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1
Cobalt	4.0		0.58	0.12	mg/Kg	☼	08/14/25 08:13	08/14/25 15:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	26.4		1.2	0.66	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Iron	5930		11.7	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Lead	4.4		1.2	0.54	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Magnesium	520		23.3	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Manganese	202	F1	1.2	0.33	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Nickel	3.3	J	5.8	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Potassium	514		35.0	28.2	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Selenium	ND		4.7	0.93	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Silver	ND	^5-	0.70	0.23	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Sodium	91.7	J	163	71.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Thallium	ND		7.0	0.89	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Vanadium	7.9		0.58	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1
Zinc	19.4	^5-	2.3	1.2	mg/Kg	✱	08/14/25 08:13	08/14/25 15:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.0053	mg/Kg	✱	08/13/25 11:22	08/13/25 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1	0.98	0.47	mg/Kg	✱	08/14/25 12:30	08/14/25 18:15	1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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	6.9	0.50	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,1,2,2-Tetrachloroethane	ND	vs	6.9	1.1	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.9	1.6	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,1,2-Trichloroethane	ND	vs	6.9	0.90	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,1-Dichloroethane	ND	vs	6.9	0.85	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,1-Dichloroethene	ND	vs	6.9	0.85	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2,4-Trichlorobenzene	ND	vs	6.9	0.42	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.9	3.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2-Dichlorobenzene	ND	vs	6.9	0.54	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2-Dichloroethane	ND	vs	6.9	0.35	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2-Dichloropropane	ND	vs	6.9	3.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,3-Dichlorobenzene	ND	vs	6.9	0.36	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,4-Dichlorobenzene	ND	vs	6.9	0.97	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
2-Butanone (MEK)	ND	vs	35	2.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
2-Hexanone	ND	vs	35	3.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
4-Methyl-2-pentanone (MIBK)	ND	vs	35	2.3	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Acetone	ND	vs	35	5.8	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Benzene	ND	vs	6.9	0.34	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Bromoform	ND	vs	6.9	3.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Bromomethane	ND	vs	6.9	0.62	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Carbon disulfide	ND	vs	6.9	3.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Carbon tetrachloride	ND	vs	6.9	0.67	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	vs	6.9	0.92	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Dibromochloromethane	ND	vs	6.9	0.89	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Chloroethane	ND	vs	6.9	1.6	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Chloroform	ND	vs	6.9	0.43	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Chloromethane	ND	vs	6.9	0.42	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
cis-1,2-Dichloroethene	ND	vs	6.9	0.89	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Cyclohexane	ND	vs	6.9	0.97	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Bromodichloromethane	ND	vs	6.9	0.93	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Dichlorodifluoromethane	ND	vs	6.9	0.57	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Ethylbenzene	ND	vs	6.9	0.48	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
1,2-Dibromoethane	ND	vs	6.9	0.89	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Isopropylbenzene	ND	vs	6.9	1.0	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Methyl acetate	ND	vs	35	4.2	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Methyl tert-butyl ether	ND	vs	6.9	0.68	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Methylcyclohexane	ND	vs	6.9	1.1	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Methylene Chloride	ND	vs	6.9	3.2	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Tetrachloroethene	ND	vs	6.9	0.93	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Toluene	ND	vs	6.9	0.52	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
trans-1,2-Dichloroethene	ND	vs	6.9	0.72	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
trans-1,3-Dichloropropene	ND	vs	6.9	3.1	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Trichloroethene	ND	vs	6.9	1.5	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Trichlorofluoromethane	ND	vs	6.9	0.66	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Vinyl chloride	ND	vs	6.9	0.85	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Xylenes, Total	ND	vs	14	1.2	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
cis-1,3-Dichloropropene	ND	vs	6.9	1.0	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1
Styrene	ND	vs	6.9	0.35	ug/Kg	✱	08/12/25 18:51	08/13/25 03:04	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	08/12/25 18:51	08/13/25 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	08/12/25 18:51	08/13/25 03:04	1
4-Bromofluorobenzene (Surr)	93		72 - 126	08/12/25 18:51	08/13/25 03:04	1
Toluene-d8 (Surr)	97		71 - 125	08/12/25 18:51	08/13/25 03:04	1
Dibromofluoromethane (Surr)	103		60 - 140	08/12/25 18:51	08/13/25 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		240	44	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
bis (2-chloroisopropyl) ether	ND		240	48	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4,5-Trichlorophenol	ND		240	48	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4,6-Trichlorophenol	ND		240	36	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4-Dichlorophenol	ND		240	46	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4-Dimethylphenol	ND		240	49	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4-Dinitrophenol	ND		2300	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,4-Dinitrotoluene	ND		240	32	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2,6-Dinitrotoluene	ND		240	34	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2-Chloronaphthalene	ND		240	44	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2-Chlorophenol	ND		240	37	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2-Methylnaphthalene	ND		240	37	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		240	38	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2-Nitroaniline	ND		460	40	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
2-Nitrophenol	ND		240	27	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
3,3'-Dichlorobenzidine	ND		460	69	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
3-Nitroaniline	ND		460	33	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4,6-Dinitro-2-methylphenol	ND		460	51	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Bromophenyl phenyl ether	ND		240	40	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Chloro-3-methylphenol	ND		240	48	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Chloroaniline	ND		240	34	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Chlorophenyl phenyl ether	ND		240	49	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Methylphenol	ND		460	42	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Nitroaniline	ND		460	34	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
4-Nitrophenol	ND		460	64	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Acenaphthene	ND		240	44	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Acenaphthylene	ND		240	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Acetophenone	ND		240	41	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Anthracene	54	J	240	43	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Atrazine	ND		240	79	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzaldehyde	ND		240	180	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzo[a]anthracene	120	J	240	32	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzo[a]pyrene	110	J	240	40	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzo[b]fluoranthene	130	J	240	31	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzo[g,h,i]perylene	63	J	240	41	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Benzo[k]fluoranthene	84	J	240	53	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Bis(2-chloroethoxy)methane	ND		240	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Bis(2-chloroethyl)ether	ND		240	44	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Bis(2-ethylhexyl) phthalate	ND		240	51	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Butyl benzyl phthalate	ND		240	43	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Caprolactam	ND		240	54	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Carbazole	ND		240	46	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Chrysene	140	J	240	56	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Dibenz(a,h)anthracene	ND		240	47	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Dibenzofuran	ND		240	41	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Diethyl phthalate	ND		240	42	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Dimethyl phthalate	ND		240	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Di-n-butyl phthalate	ND		240	53	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Di-n-octyl phthalate	ND		240	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Fluoranthene	260		240	43	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Fluorene	ND		240	43	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Hexachlorobenzene	ND		240	45	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Hexachlorobutadiene	ND		240	35	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Hexachlorocyclopentadiene	ND		460	100	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Hexachloroethane	ND		240	43	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Indeno[1,2,3-cd]pyrene	47	J	240	35	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Isophorone	ND		240	48	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Naphthalene	ND		240	39	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
Nitrobenzene	ND		240	39	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
N-Nitrosodi-n-propylamine	ND		240	53	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1
N-Nitrosodiphenylamine	ND		240	39	ug/Kg	✱	08/12/25 13:36	08/13/25 15:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		460	75	ug/Kg	☼	08/12/25 13:36	08/13/25 15:05	1
Phenanthrene	250		240	44	ug/Kg	☼	08/12/25 13:36	08/13/25 15:05	1
Phenol	ND		240	43	ug/Kg	☼	08/12/25 13:36	08/13/25 15:05	1
Pyrene	250		240	45	ug/Kg	☼	08/12/25 13:36	08/13/25 15:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4000	T J	ug/Kg	☼	3.04	N/A	08/12/25 13:36	08/13/25 15:05	1
Undecane	410	T J N	ug/Kg	☼	7.01	1120-21-4	08/12/25 13:36	08/13/25 15:05	1
Tridecane	380	T J N	ug/Kg	☼	7.75	629-50-5	08/12/25 13:36	08/13/25 15:05	1
Eicosane	420	T J N	ug/Kg	☼	8.41	112-95-8	08/12/25 13:36	08/13/25 15:05	1
1-Dotriacontanol	1200	T J N	ug/Kg	☼	12.99	6624-79-9	08/12/25 13:36	08/13/25 15:05	1
1-Nonadecene	2000	T J N	ug/Kg	☼	13.53	18435-45-5	08/12/25 13:36	08/13/25 15:05	1
Oxirane, hexadecyl-	700	T J N	ug/Kg	☼	13.87	7390-81-0	08/12/25 13:36	08/13/25 15:05	1
1-Docosene	1400	T J N	ug/Kg	☼	14.04	1599-67-3	08/12/25 13:36	08/13/25 15:05	1
16-Heptadecenal	450	T J N	ug/Kg	☼	14.37	1000144-57-9	08/12/25 13:36	08/13/25 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		22 - 120	08/12/25 13:36	08/13/25 15:05	1
p-Terphenyl-d14 (Surr)	77		28 - 124	08/12/25 13:36	08/13/25 15:05	1
Phenol-d5 (Surr)	79		23 - 120	08/12/25 13:36	08/13/25 15:05	1
2-Fluorophenol (Surr)	81		18 - 120	08/12/25 13:36	08/13/25 15:05	1
2,4,6-Tribromophenol (Surr)	51		10 - 140	08/12/25 13:36	08/13/25 15:05	1
2-Fluorobiphenyl (Surr)	87		29 - 120	08/12/25 13:36	08/13/25 15:05	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.5	0.86	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
4,4'-DDE	2.9	J	4.5	0.93	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
4,4'-DDT	2.3	J	4.5	1.0	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
beta-BHC	ND		4.5	0.80	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
cis-Chlordane	ND		4.5	2.2	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
alpha-BHC	ND		4.5	0.80	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Aldrin	ND		4.5	1.1	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
delta-BHC	ND		4.5	0.83	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Dieldrin	ND		4.5	1.1	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endosulfan I	ND		4.5	0.85	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endosulfan II	ND		4.5	0.80	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endosulfan sulfate	ND		4.5	0.83	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endrin	1.1	J	4.5	0.88	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endrin aldehyde	ND		4.5	1.1	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Endrin ketone	ND		4.5	1.1	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
gamma-BHC (Lindane)	ND		4.5	0.82	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
trans-Chlordane	ND		4.5	1.4	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Heptachlor	ND		4.5	0.96	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Heptachlor epoxide	ND		4.5	1.1	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Methoxychlor	1.6	J	4.5	0.91	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1
Toxaphene	ND		45	26	ug/Kg	☼	08/13/25 06:43	08/14/25 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	133	S1+	45 - 120	08/13/25 06:43	08/14/25 10:40	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		45 - 120	08/13/25 06:43	08/14/25 10:40	1
Tetrachloro-m-xylene	70		30 - 124	08/13/25 06:43	08/14/25 10:40	1
Tetrachloro-m-xylene	71		30 - 124	08/13/25 06:43	08/14/25 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.33	0.065	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1221	ND		0.33	0.065	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1232	ND		0.33	0.065	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1242	ND		0.33	0.065	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1248	ND		0.33	0.065	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1254	ND		0.33	0.16	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1
PCB-1260	ND		0.33	0.16	mg/Kg	✱	08/12/25 13:40	08/13/25 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	119		60 - 154	08/12/25 13:40	08/13/25 12:24	1
Tetrachloro-m-xylene	110		60 - 154	08/12/25 13:40	08/13/25 12:24	1
DCB Decachlorobiphenyl	130		65 - 174	08/12/25 13:40	08/13/25 12:24	1
DCB Decachlorobiphenyl	113		65 - 174	08/12/25 13:40	08/13/25 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorotridecanoic acid (PFTriDA)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.068	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	✱	08/14/25 15:06	08/19/25 01:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.078	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.29	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.29	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.068	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.068	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.088	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.078	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	08/14/25 15:06	08/19/25 01:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	69.8		8 - 130	08/14/25 15:06	08/19/25 01:37	1
13C5-PFPeA	74.6		35 - 130	08/14/25 15:06	08/19/25 01:37	1
13C5-PFHxA	75.1		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C4-PFHpA	81.7		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C8-PFOA	76.0		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C9-PFNA	86.5		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C6-PFDA	78.1		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C7-PFUnA	64.9		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C2-PFTeDA	42.9		20 - 130	08/14/25 15:06	08/19/25 01:37	1
13C3-PFBS	74.3		40 - 135	08/14/25 15:06	08/19/25 01:37	1
13C3-PFHxS	78.5		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C8-PFOS	77.0		40 - 130	08/14/25 15:06	08/19/25 01:37	1
13C8-PFOSA	72.1		40 - 130	08/14/25 15:06	08/19/25 01:37	1
d3-NMeFOSAA	78.1		40 - 135	08/14/25 15:06	08/19/25 01:37	1
d5-NEtFOSAA	71.2		40 - 150	08/14/25 15:06	08/19/25 01:37	1
13C2 4:2 FTS	114		40 - 165	08/14/25 15:06	08/19/25 01:37	1
13C2 6:2 FTS	114		40 - 215	08/14/25 15:06	08/19/25 01:37	1
13C2 8:2 FTS	105		40 - 275	08/14/25 15:06	08/19/25 01:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-HFPO-DA	74.2		40 - 130	08/14/25 15:06	08/19/25 01:37	1
D7-NMeFOSE	54.0		20 - 130	08/14/25 15:06	08/19/25 01:37	1
D9-NEtFOSE	44.4		15 - 130	08/14/25 15:06	08/19/25 01:37	1
d5-NEtPFOSA	43.7		10 - 130	08/14/25 15:06	08/19/25 01:37	1
d3-NMePFOSA	52.4		10 - 130	08/14/25 15:06	08/19/25 01:37	1
13C2 PFDoA	56.8		40 - 130	08/14/25 15:06	08/19/25 01:37	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20100		14.6	12.6	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Antimony	ND		21.9	0.77	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Arsenic	8.7		2.9	1.3	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Barium	108		0.73	0.20	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Beryllium	0.65	^5-	0.29	0.058	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Cadmium	0.30		0.29	0.10	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Calcium	2890		72.9	39.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Chromium	22.4		0.73	0.53	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Cobalt	9.9		0.73	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Copper	9.1		1.5	0.83	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Iron	33300		14.6	12.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Lead	24.9		1.5	0.67	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Magnesium	3130		29.2	12.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Manganese	1110		1.5	0.41	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Nickel	15.5		7.3	0.36	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Potassium	2820		43.8	35.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Selenium	2.6	J	5.8	1.2	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Silver	0.29	J ^5-	0.88	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Sodium	127	J	204	89.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Thallium	ND		8.8	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Vanadium	42.1		0.73	0.19	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1
Zinc	63.3	^5-	2.9	1.5	mg/Kg	✱	08/14/25 08:13	08/14/25 15:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.027	0.0062	mg/Kg	✱	08/13/25 11:22	08/13/25 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.3	0.64	mg/Kg	✱	08/14/25 12:30	08/14/25 18:18	1

Client Sample ID: STP-1 N

Lab Sample ID: 480-231732-3

Date Collected: 08/11/25 11:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 92.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8710		11.2	9.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Antimony	ND		16.8	0.59	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Arsenic	19.2		2.2	0.99	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Barium	574		0.56	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Beryllium	1.6	^5-	0.22	0.045	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 N

Lab Sample ID: 480-231732-3

Date Collected: 08/11/25 11:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.95		0.22	0.078	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Calcium	7110		56.1	30.3	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Chromium	19.9		0.56	0.40	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Cobalt	9.6		0.56	0.11	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Copper	80.3		1.1	0.64	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Iron	22300		11.2	9.5	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Lead	656		1.1	0.52	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Magnesium	1110		22.4	9.5	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Manganese	240		1.1	0.31	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Nickel	24.5		5.6	0.28	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Potassium	859		33.6	27.2	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Selenium	0.93	J	4.5	0.90	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Silver	0.22	J ^5-	0.67	0.22	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Sodium	386		157	68.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Thallium	ND		6.7	0.85	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Vanadium	26.9		0.56	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 15:41	1
Zinc	731	^5-	11.2	5.7	mg/Kg	✱	08/14/25 08:13	08/15/25 11:55	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.022	0.0052	mg/Kg	✱	08/13/25 11:22	08/13/25 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.51	mg/Kg	✱	08/14/25 12:30	08/14/25 18:18	1

Client Sample ID: STP-1 S

Lab Sample ID: 480-231732-4

Date Collected: 08/11/25 11:05

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 72.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10200		14.2	12.3	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Antimony	ND		21.3	0.75	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Arsenic	9.3		2.8	1.3	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Barium	114		0.71	0.20	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Beryllium	0.77	^5-	0.28	0.057	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Cadmium	0.47		0.28	0.10	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Calcium	6460		71.1	38.4	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Chromium	17.3		0.71	0.51	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Cobalt	11.3		0.71	0.14	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Copper	24.9		1.4	0.81	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Iron	31300		14.2	12.1	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Lead	131		1.4	0.65	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Magnesium	1190		28.5	12.1	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Manganese	987		1.4	0.40	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Nickel	17.4		7.1	0.36	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Potassium	1420		42.7	34.5	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Selenium	1.3	J	5.7	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1
Silver	ND	^5-	0.85	0.28	mg/Kg	✱	08/14/25 08:13	08/14/25 15:52	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 S

Lab Sample ID: 480-231732-4

Date Collected: 08/11/25 11:05

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 72.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	138	J	199	87.2	mg/Kg	☼	08/14/25 08:13	08/14/25 15:52	1
Thallium	ND		8.5	1.1	mg/Kg	☼	08/14/25 08:13	08/14/25 15:52	1
Vanadium	24.9		0.71	0.18	mg/Kg	☼	08/14/25 08:13	08/14/25 15:52	1
Zinc	123	^5-	2.8	1.5	mg/Kg	☼	08/14/25 08:13	08/14/25 15:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079		0.028	0.0065	mg/Kg	☼	08/13/25 11:22	08/13/25 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.4	0.66	mg/Kg	☼	08/14/25 12:30	08/14/25 18:19	1

Client Sample ID: STP-1 W

Lab Sample ID: 480-231732-5

Date Collected: 08/11/25 11:10

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 73.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12700		14.1	12.1	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Antimony	ND		21.1	0.75	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Arsenic	29.5		2.8	1.2	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Barium	150		0.70	0.20	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Beryllium	1.3	^5-	0.28	0.056	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Cadmium	0.25	J	0.28	0.099	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Calcium	5330		70.4	38.0	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Chromium	18.9		0.70	0.51	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Cobalt	8.1		0.70	0.14	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Copper	29.1		1.4	0.80	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Iron	27800		14.1	11.9	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Lead	249		1.4	0.65	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Magnesium	460		28.2	11.9	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Manganese	52.2		1.4	0.39	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Nickel	19.1		7.0	0.35	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Potassium	1440		42.2	34.1	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Selenium	ND		5.6	1.1	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Silver	ND	^5-	0.84	0.28	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Sodium	651		197	86.3	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Thallium	ND		8.4	1.1	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Vanadium	33.0		0.70	0.18	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1
Zinc	56.4	^5-	2.8	1.4	mg/Kg	☼	08/14/25 08:13	08/14/25 15:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.027	0.0063	mg/Kg	☼	08/13/25 11:22	08/13/25 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.3	0.65	mg/Kg	☼	08/14/25 12:30	08/14/25 18:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 E

Lab Sample ID: 480-231732-6

Date Collected: 08/11/25 11:15

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 86.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6250		11.4	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Antimony	ND		17.1	0.61	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Arsenic	19.0		2.3	1.0	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Barium	417		0.57	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Beryllium	0.68	^5-	0.23	0.046	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Cadmium	0.65		0.23	0.080	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Calcium	4500		57.2	30.9	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Chromium	19.3		0.57	0.41	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Cobalt	7.0		0.57	0.11	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Copper	82.8		1.1	0.65	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Iron	29500		11.4	9.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Lead	399		1.1	0.53	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Magnesium	645		22.9	9.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Manganese	211		1.1	0.32	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Nickel	61.3		5.7	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Potassium	692		34.3	27.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Selenium	2.3	J	4.6	0.91	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Silver	ND	^5-	0.69	0.23	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Sodium	244		160	70.1	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Thallium	ND		6.9	0.87	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Vanadium	19.0		0.57	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 15:56	1
Zinc	435	^5-	11.4	5.8	mg/Kg	✱	08/14/25 08:13	08/15/25 11:57	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.024	0.0054	mg/Kg	✱	08/13/25 11:22	08/13/25 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.3		1.1	0.53	mg/Kg	✱	08/14/25 12:30	08/14/25 18:22	1

Client Sample ID: STP-2 N

Lab Sample ID: 480-231732-7

Date Collected: 08/11/25 11:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 95.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7980		10.2	8.8	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Antimony	ND		15.4	0.54	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Arsenic	11.9		2.0	0.90	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Barium	103		0.51	0.14	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Beryllium	0.61	^5-	0.20	0.041	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Cadmium	0.44		0.20	0.072	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Calcium	18000		51.2	27.6	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Chromium	16.5		0.51	0.37	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Cobalt	6.8		0.51	0.10	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Copper	87.8		1.0	0.58	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Iron	25300		10.2	8.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Lead	101		1.0	0.47	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Magnesium	999		20.5	8.7	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 N

Lab Sample ID: 480-231732-7

Date Collected: 08/11/25 11:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1520		1.0	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Nickel	16.7		5.1	0.26	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Potassium	1020		30.7	24.8	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Selenium	2.8	J	4.1	0.82	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Silver	0.22	J ^5-	0.61	0.20	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Sodium	208		143	62.8	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Thallium	ND		6.1	0.78	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Vanadium	18.6		0.51	0.13	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1
Zinc	159	^5-	2.0	1.0	mg/Kg	✱	08/14/25 08:13	08/14/25 15:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.078		0.022	0.0050	mg/Kg	✱	08/13/25 11:22	08/13/25 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.95	0.46	mg/Kg	✱	08/14/25 12:30	08/14/25 18:23	1

Client Sample ID: STP-2 S

Lab Sample ID: 480-231732-8

Date Collected: 08/11/25 11:45

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 81.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19300		12.7	11.0	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Antimony	ND		19.1	0.68	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Arsenic	14.2		2.5	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Barium	190		0.64	0.18	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Beryllium	1.1	^5-	0.25	0.051	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Cadmium	0.40		0.25	0.089	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Calcium	3390		63.7	34.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Chromium	25.7		0.64	0.46	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Cobalt	13.9		0.64	0.13	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Copper	39.3		1.3	0.73	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Iron	31800		12.7	10.8	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Lead	177		1.3	0.59	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Magnesium	4170		25.5	10.8	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Manganese	380		1.3	0.36	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Nickel	39.7		6.4	0.32	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Potassium	3530		38.2	30.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Selenium	1.1	J	5.1	1.0	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Silver	0.35	J ^5-	0.76	0.25	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Sodium	173	J	178	78.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Thallium	ND		7.6	0.97	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Vanadium	40.5		0.64	0.17	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1
Zinc	154	^5-	2.5	1.3	mg/Kg	✱	08/14/25 08:13	08/14/25 16:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.024	0.0056	mg/Kg	✱	08/13/25 11:22	08/13/25 16:11	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 S

Lab Sample ID: 480-231732-8

Date Collected: 08/11/25 11:45

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 81.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.2	0.57	mg/Kg	☆	08/14/25 12:30	08/14/25 18:23	1

Client Sample ID: STP-2 W

Lab Sample ID: 480-231732-9

Date Collected: 08/11/25 12:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 95.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7430		10.8	9.3	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Antimony	ND		16.2	0.57	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Arsenic	19.3		2.2	0.95	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Barium	144		0.54	0.15	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Beryllium	0.65	^5-	0.22	0.043	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Cadmium	0.41		0.22	0.076	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Calcium	16700		54.0	29.1	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Chromium	21.3		0.54	0.39	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Cobalt	6.1		0.54	0.11	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Copper	202		1.1	0.62	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Iron	32700		10.8	9.2	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Lead	267		1.1	0.50	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Magnesium	1230		21.6	9.2	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Manganese	1120		1.1	0.30	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Nickel	23.8		5.4	0.27	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Potassium	1010		32.4	26.2	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Selenium	2.4	J	4.3	0.86	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Silver	0.22	J ^5-	0.65	0.22	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Sodium	248		151	66.2	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Thallium	ND		6.5	0.82	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Vanadium	19.9		0.54	0.14	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1
Zinc	186	^5-	2.2	1.1	mg/Kg	☆	08/14/25 08:13	08/14/25 16:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.098		0.021	0.0048	mg/Kg	☆	08/13/25 11:22	08/13/25 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.48	mg/Kg	☆	08/14/25 12:30	08/14/25 18:23	1

Client Sample ID: STP-2 E

Lab Sample ID: 480-231732-10

Date Collected: 08/11/25 12:15

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 93.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12800		10.8	9.3	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1
Antimony	ND		16.2	0.57	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1
Arsenic	9.2		2.2	0.95	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1
Barium	150		0.54	0.15	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1
Beryllium	0.80	^5-	0.22	0.043	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1
Cadmium	0.35		0.22	0.076	mg/Kg	☆	08/14/25 08:13	08/14/25 16:04	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 E

Lab Sample ID: 480-231732-10

Date Collected: 08/11/25 12:15

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	10300		54.0	29.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Chromium	18.1		0.54	0.39	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Cobalt	8.8		0.54	0.11	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Copper	34.6		1.1	0.62	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Iron	21600		10.8	9.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Lead	154		1.1	0.50	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Magnesium	2460		21.6	9.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Manganese	866		1.1	0.30	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Nickel	23.0		5.4	0.27	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Potassium	2040		32.4	26.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Selenium	1.4 J		4.3	0.86	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Silver	0.22 J ^5-		0.65	0.22	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Sodium	186		151	66.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Thallium	ND		6.5	0.82	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Vanadium	26.5		0.54	0.14	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1
Zinc	146 ^5-		2.2	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.022	0.0050	mg/Kg	✱	08/13/25 11:22	08/13/25 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.50	mg/Kg	✱	08/14/25 12:30	08/14/25 18:26	1

Client Sample ID: STP-3 N

Lab Sample ID: 480-231732-11

Date Collected: 08/11/25 12:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 77.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9570		13.6	11.7	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Antimony	ND		20.4	0.72	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Arsenic	6.9		2.7	1.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Barium	116		0.68	0.19	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Beryllium	0.49 ^5-		0.27	0.054	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Cadmium	0.75		0.27	0.095	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Calcium	25500		67.9	36.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Chromium	13.3		0.68	0.49	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Cobalt	6.4		0.68	0.14	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Copper	33.3		1.4	0.77	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Iron	31500		13.6	11.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Lead	140		1.4	0.62	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Magnesium	2910		27.1	11.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Manganese	445		1.4	0.38	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Nickel	20.6		6.8	0.34	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Potassium	1110		40.7	32.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Selenium	1.3 J		5.4	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Silver	ND ^5-		0.81	0.27	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1
Sodium	117 J		190	83.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 N

Lab Sample ID: 480-231732-11

Date Collected: 08/11/25 12:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		8.1	1.0	mg/Kg	☼	08/14/25 08:13	08/14/25 16:06	1
Vanadium	23.4		0.68	0.18	mg/Kg	☼	08/14/25 08:13	08/14/25 16:06	1
Zinc	240	^5-	2.7	1.4	mg/Kg	☼	08/14/25 08:13	08/14/25 16:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.027	0.0062	mg/Kg	☼	08/13/25 11:22	08/13/25 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.55	mg/Kg	☼	08/14/25 12:30	08/14/25 18:26	1

Client Sample ID: STP-3 S

Lab Sample ID: 480-231732-12

Date Collected: 08/11/25 13:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4780		14.1	12.2	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Antimony	ND		21.2	0.75	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Arsenic	15.8		2.8	1.2	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Barium	80.5		0.71	0.20	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Beryllium	1.1	^5-	0.28	0.056	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Cadmium	0.13	J	0.28	0.099	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Calcium	3480		70.5	38.1	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Chromium	8.4		0.71	0.51	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Cobalt	8.2		0.71	0.14	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Copper	60.7		1.4	0.80	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Iron	31000		14.1	12.0	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Lead	37.9		1.4	0.65	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Magnesium	238		28.2	12.0	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Manganese	61.4		1.4	0.40	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Nickel	17.9		7.1	0.35	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Potassium	485		42.3	34.2	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Selenium	1.6	J	5.6	1.1	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Silver	ND	^5-	0.85	0.28	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Sodium	105	J	198	86.5	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Thallium	ND		8.5	1.1	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Vanadium	20.2		0.71	0.18	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1
Zinc	37.4	^5-	2.8	1.4	mg/Kg	☼	08/14/25 08:13	08/14/25 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.029	0.0066	mg/Kg	☼	08/13/25 11:22	08/13/25 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.4	0.66	mg/Kg	☼	08/14/25 12:30	08/14/25 18:27	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 W

Lab Sample ID: 480-231732-13

Date Collected: 08/11/25 13:05

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 85.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4970		12.3	10.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Antimony	ND		18.5	0.65	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Arsenic	11.7		2.5	1.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Barium	56.9		0.62	0.17	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Beryllium	0.77	^5-	0.25	0.049	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Cadmium	0.18	J	0.25	0.086	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Calcium	3500		61.5	33.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Chromium	9.3		0.62	0.44	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Cobalt	8.1		0.62	0.12	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Copper	69.9		1.2	0.70	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Iron	37800		12.3	10.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Lead	95.9		1.2	0.57	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Magnesium	203		24.6	10.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Manganese	95.1		1.2	0.34	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Nickel	16.8		6.2	0.31	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Potassium	339		36.9	29.8	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Selenium	ND		4.9	0.98	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Silver	ND	^5-	0.74	0.25	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Sodium	101	J	172	75.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Thallium	ND		7.4	0.94	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Vanadium	19.0		0.62	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1
Zinc	47.3	^5-	2.5	1.3	mg/Kg	✱	08/14/25 08:13	08/14/25 16:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.025	0.0057	mg/Kg	✱	08/13/25 11:22	08/13/25 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.1	0.53	mg/Kg	✱	08/14/25 12:30	08/14/25 18:27	1

Client Sample ID: STP-3 E

Lab Sample ID: 480-231732-14

Date Collected: 08/11/25 13:10

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 90.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5140		11.7	10.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Antimony	ND		17.5	0.62	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Arsenic	10.7		2.3	1.0	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Barium	83.1		0.58	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Beryllium	0.81	^5-	0.23	0.047	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Cadmium	0.26		0.23	0.082	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Calcium	4820		58.4	31.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Chromium	11.1		0.58	0.42	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Cobalt	7.0		0.58	0.12	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Copper	74.0		1.2	0.67	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Iron	29000		11.7	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Lead	226		1.2	0.54	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Magnesium	567		23.3	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 E

Lab Sample ID: 480-231732-14

Date Collected: 08/11/25 13:10

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	128		1.2	0.33	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Nickel	15.9		5.8	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Potassium	622		35.0	28.3	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Selenium	1.0	J	4.7	0.93	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Silver	ND	^5-	0.70	0.23	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Sodium	113	J	163	71.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Thallium	ND		7.0	0.89	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Vanadium	18.1		0.58	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1
Zinc	79.4	^5-	2.3	1.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.022	0.0050	mg/Kg	✱	08/13/25 11:22	08/13/25 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1	1.1	0.51	mg/Kg	✱	08/14/25 12:30	08/14/25 18:30	1

Client Sample ID: STP-4 N

Lab Sample ID: 480-231732-15

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16100		11.7	10.1	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Antimony	ND		17.5	0.62	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Arsenic	12.9		2.3	1.0	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Barium	491		0.58	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Beryllium	0.97	^5-	0.23	0.047	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Cadmium	1.6		0.23	0.082	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Calcium	10900		58.3	31.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Chromium	42.7		0.58	0.42	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Cobalt	11.8		0.58	0.12	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Copper	761		1.2	0.67	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Iron	26900		11.7	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Lead	1090		1.2	0.54	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Magnesium	2970		23.3	9.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Manganese	330		1.2	0.33	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Nickel	37.7		5.8	0.29	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Potassium	2900		35.0	28.3	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Selenium	1.4	J	4.7	0.93	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Silver	0.79	^5-	0.70	0.23	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Sodium	220		163	71.5	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Thallium	ND		7.0	0.89	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Vanadium	32.3		0.58	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 16:21	1
Zinc	1180	^5-	23.3	11.9	mg/Kg	✱	08/14/25 08:13	08/15/25 11:59	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.80		0.023	0.0054	mg/Kg	✱	08/13/25 11:22	08/13/25 16:21	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 N

Lab Sample ID: 480-231732-15

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.50	mg/Kg	☆	08/15/25 13:45	08/16/25 11:32	1

Client Sample ID: STP-4 S

Lab Sample ID: 480-231732-16

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 86.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16500		11.7	10.0	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Antimony	ND		17.5	0.62	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Arsenic	13.7		2.3	1.0	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Barium	537		0.58	0.16	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Beryllium	0.99	^5-	0.23	0.047	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Cadmium	0.99		0.23	0.082	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Calcium	7350		58.3	31.4	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Chromium	168		0.58	0.42	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Cobalt	13.4		0.58	0.12	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Copper	91.4		1.2	0.66	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Iron	37600		11.7	9.9	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Lead	1120		1.2	0.54	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Magnesium	3500		23.3	9.9	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Manganese	430		1.2	0.33	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Nickel	39.8		5.8	0.29	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Potassium	3390		35.0	28.2	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Selenium	1.3	J	4.7	0.93	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Silver	0.85	^5-	0.70	0.23	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Sodium	222		163	71.4	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Thallium	ND		7.0	0.89	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Vanadium	32.2		0.58	0.15	mg/Kg	☆	08/14/25 08:13	08/14/25 16:23	1
Zinc	686	^5-	11.7	5.9	mg/Kg	☆	08/14/25 08:13	08/15/25 12:01	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.3		0.12	0.028	mg/Kg	☆	08/13/25 11:22	08/13/25 16:45	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.91	J	1.1	0.54	mg/Kg	☆	08/15/25 13:45	08/16/25 11:32	1

Client Sample ID: STP-4 W

Lab Sample ID: 480-231732-17

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 91.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15200		11.3	9.7	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1
Antimony	ND		16.9	0.60	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1
Arsenic	13.2		2.3	0.99	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1
Barium	403		0.56	0.16	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1
Beryllium	1.2	^5-	0.23	0.045	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1
Cadmium	1.1		0.23	0.079	mg/Kg	☆	08/14/25 08:13	08/14/25 16:25	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 W

Lab Sample ID: 480-231732-17

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	8650		56.4	30.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Chromium	39.6		0.56	0.41	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Cobalt	11.6		0.56	0.11	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Copper	107		1.1	0.64	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Iron	31600		11.3	9.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Lead	2460		1.1	0.52	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Magnesium	3040		22.6	9.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Manganese	402		1.1	0.32	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Nickel	37.9		5.6	0.28	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Potassium	2950		33.8	27.3	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Selenium	1.8 J		4.5	0.90	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Silver	0.68 ^5-		0.68	0.23	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Sodium	145 J		158	69.2	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Thallium	ND		6.8	0.86	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Vanadium	30.5		0.56	0.15	mg/Kg	✱	08/14/25 08:13	08/14/25 16:25	1
Zinc	652 ^5-		11.3	5.8	mg/Kg	✱	08/14/25 08:13	08/15/25 12:03	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.7		0.021	0.0049	mg/Kg	✱	08/13/25 11:22	08/13/25 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.59 J		1.1	0.51	mg/Kg	✱	08/15/25 13:45	08/16/25 11:34	1

Client Sample ID: STP-4 E

Lab Sample ID: 480-231732-18

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11.1	9.6	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Antimony	ND		16.6	0.59	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Arsenic	9.8		2.2	0.98	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Barium	411		0.55	0.16	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Beryllium	0.59 ^5-		0.22	0.044	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Cadmium	0.79		0.22	0.078	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Calcium	9950		55.5	29.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Chromium	28.1		0.55	0.40	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Cobalt	8.2		0.55	0.11	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Copper	56.6		1.1	0.63	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Iron	21300		11.1	9.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Lead	1180		1.1	0.51	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Magnesium	2110		22.2	9.4	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Manganese	270		1.1	0.31	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Nickel	22.2		5.5	0.28	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Potassium	2110		33.3	26.9	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Selenium	1.1 J		4.4	0.89	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Silver	0.40 J ^5-		0.67	0.22	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1
Sodium	153 J		155	68.0	mg/Kg	✱	08/14/25 08:13	08/14/25 16:27	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 E

Lab Sample ID: 480-231732-18

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.7	0.84	mg/Kg	☼	08/14/25 08:13	08/14/25 16:27	1
Vanadium	20.2		0.55	0.14	mg/Kg	☼	08/14/25 08:13	08/14/25 16:27	1
Zinc	595	^5-	11.1	5.7	mg/Kg	☼	08/14/25 08:13	08/15/25 12:05	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.4		0.11	0.025	mg/Kg	☼	08/13/25 11:22	08/13/25 16:47	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.0	0.50	mg/Kg	☼	08/15/25 13:45	08/16/25 11:36	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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)
480-231732-1	RI-BH-5	105	93	98	100
480-231732-2	RI-BH-16	109	93	97	103
LCS 480-754107/1-A	Lab Control Sample	100	94	99	99
MB 480-754107/2-A	Method Blank	102	94	98	101

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)					
		NBZ (22-120)	TPHd14 (28-124)	PHL (23-120)	2FP (18-120)	TBP (10-140)	FBP (29-120)
480-231732-1	RI-BH-5	77	74	81	85	53	89
480-231732-2	RI-BH-16	72	77	79	81	51	87
LCS 480-754064/2-A	Lab Control Sample	86	89	78	77	93	93
MB 480-754064/1-A	Method Blank	84	87	74	72	73	89

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-231732-1	RI-BH-5	83	82	54	59
480-231732-2	RI-BH-16	133 S1+	111	70	71
480-231732-2 MS	RI-BH-16	127 S1+	108	78	78
480-231732-2 MSD	RI-BH-16	133 S1+	112	76	77
LCS 480-754128/2-A	Lab Control Sample	92	95	65	68
MB 480-754128/1-A	Method Blank	94	96	72	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-231732-1

Project/Site: 2nd & Washington Street

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-231732-1	RI-BH-5	129	116	136	116
480-231732-2	RI-BH-16	119	110	130	113
LCS 480-754065/2-A	Lab Control Sample	145	132	162	141
MB 480-754065/1-A	Method Blank	154	142	180 S1+	147

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-231732-1	RI-BH-5	66.8	70.6	67.9	74.4	71.0	81.6	76.5	69.7
480-231732-2	RI-BH-16	69.8	74.6	75.1	81.7	76.0	86.5	78.1	64.9
LCS 410-685618/2-A	Lab Control Sample	89.6	99.9	92.9	101	90.8	93.1	79.6	62.9
LLCS 410-685618/3-A	Lab Control Sample	91.9	104	99.6	108	94.6	107	92.2	74.2
MB 410-685618/1-A	Method Blank	73.3	78.7	78.5	83.9	74.7	84.4	73.4	62.8

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-231732-1	RI-BH-5	47.5	76.7	79.5	80.2	64.5	80.6	70.4	107
480-231732-2	RI-BH-16	42.9	74.3	78.5	77.0	72.1	78.1	71.2	114
LCS 410-685618/2-A	Lab Control Sample	58.5	102	101	88.9	73.7	83.0	74.5	104
LLCS 410-685618/3-A	Lab Control Sample	28.1	100	102	96.6	72.1	78.5	64.9	107
MB 410-685618/1-A	Method Blank	28.3	82.4	85.2	81.6	58.5	72.7	59.2	90.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
480-231732-1	RI-BH-5	109	112	69.6	58.0	48.5	45.2	53.8	58.5
480-231732-2	RI-BH-16	114	105	74.2	54.0	44.4	43.7	52.4	56.8
LCS 410-685618/2-A	Lab Control Sample	113	89.6	99.6	57.8	48.9	61.8	64.5	66.9
LLCS 410-685618/3-A	Lab Control Sample	118	105	103	52.5	47.0	45.6	52.6	64.4
MB 410-685618/1-A	Method Blank	100	96.7	79.1	48.8	44.4	43.9	44.7	56.5

Surrogate Legend

PFBA = 13C4-PFBA
PFPeA = 13C5-PFPeA
13C5PHA = 13C5-PFHxA
C4PFHA = 13C4-PFHpA
C8PFOA = 13C8-PFOA
C9PFNA = 13C9-PFNA
C6PFDA = 13C6-PFDA
13C7PUA = 13C7-PFUnA
PFTDA = 13C2-PFTeDA
C3PFBS = 13C3-PFBS
C3PFHS = 13C3-PFHxS
C8PFOS = 13C8-PFOS
PFOSA = 13C8-PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3-HFPO-DA
NMFM = D7-NMeFOSE
NEFM = D9-NEtFOSE
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDaA = 13C2 PFDaA

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 480-754107/2-A

Matrix: Solid

Analysis Batch: 754108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
2-Hexanone	ND		25	2.5	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Acetone	ND		25	4.2	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Benzene	ND		5.0	0.25	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Bromoform	ND		5.0	2.5	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Chloroform	ND		5.0	0.31	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Methyl acetate	ND		25	3.0	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Toluene	ND		5.0	0.38	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/12/25 18:51	08/12/25 22:20	1
Styrene	ND		5.0	0.25	ug/Kg		08/12/25 18:51	08/12/25 22:20	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 480-754107/2-A

Matrix: Solid

Analysis Batch: 754108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754107

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	08/12/25 18:51	08/12/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126				08/12/25 18:51	08/12/25 22:20	1
4-Bromofluorobenzene (Surr)	94		72 - 126				08/12/25 18:51	08/12/25 22:20	1
Toluene-d8 (Surr)	98		71 - 125				08/12/25 18:51	08/12/25 22:20	1
Dibromofluoromethane (Surr)	101		60 - 140				08/12/25 18:51	08/12/25 22:20	1

Lab Sample ID: LCS 480-754107/1-A

Matrix: Solid

Analysis Batch: 754108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	50.4		ug/Kg		101	77 - 121
1,1,1,2-Tetrachloroethane	50.0	54.1		ug/Kg		108	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.5		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	50.8		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	53.6		ug/Kg		107	73 - 126
1,1-Dichloroethene	50.0	52.4		ug/Kg		105	59 - 125
1,2,4-Trichlorobenzene	50.0	50.7		ug/Kg		101	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	51.6		ug/Kg		103	63 - 124
1,2-Dichlorobenzene	50.0	51.6		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	52.4		ug/Kg		105	77 - 122
1,2-Dichloropropane	50.0	53.1		ug/Kg		106	75 - 124
1,3-Dichlorobenzene	50.0	51.6		ug/Kg		103	74 - 120
1,4-Dichlorobenzene	50.0	50.5		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	282		ug/Kg		113	70 - 134
2-Hexanone	250	264		ug/Kg		106	59 - 130
4-Methyl-2-pentanone (MIBK)	250	261		ug/Kg		105	65 - 133
Acetone	250	287		ug/Kg		115	61 - 137
Benzene	50.0	52.5		ug/Kg		105	79 - 127
Bromoform	50.0	47.7		ug/Kg		95	68 - 126
Bromomethane	50.0	50.3		ug/Kg		101	37 - 149
Carbon disulfide	50.0	53.5		ug/Kg		107	64 - 131
Carbon tetrachloride	50.0	47.8		ug/Kg		96	75 - 135
Chlorobenzene	50.0	49.8		ug/Kg		100	76 - 124
Dibromochloromethane	50.0	50.6		ug/Kg		101	76 - 125
Chloroethane	50.0	52.8		ug/Kg		106	69 - 135
Chloroform	50.0	50.8		ug/Kg		102	80 - 120
Chloromethane	50.0	52.3		ug/Kg		105	63 - 127
cis-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	81 - 120
Cyclohexane	50.0	55.0		ug/Kg		110	65 - 120
Bromodichloromethane	50.0	52.9		ug/Kg		106	80 - 122
Dichlorodifluoromethane	50.0	53.1		ug/Kg		106	57 - 142
Ethylbenzene	50.0	51.6		ug/Kg		103	80 - 120
1,2-Dibromoethane	50.0	49.5		ug/Kg		99	78 - 120
Isopropylbenzene	50.0	55.5		ug/Kg		111	72 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 480-754107/1-A

Matrix: Solid

Analysis Batch: 754108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl acetate	100	108		ug/Kg		108	55 - 136
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	51.9		ug/Kg		104	60 - 140
Methylene Chloride	50.0	56.1		ug/Kg		112	61 - 127
Tetrachloroethene	50.0	49.5		ug/Kg		99	74 - 122
Toluene	50.0	51.0		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	52.1		ug/Kg		104	78 - 126
trans-1,3-Dichloropropene	50.0	51.3		ug/Kg		103	73 - 123
Trichloroethene	50.0	51.7		ug/Kg		103	77 - 129
Trichlorofluoromethane	50.0	51.3		ug/Kg		103	65 - 146
Vinyl chloride	50.0	53.0		ug/Kg		106	61 - 133
cis-1,3-Dichloropropene	50.0	51.6		ug/Kg		103	80 - 120
Styrene	50.0	50.7		ug/Kg		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	99		71 - 125
Dibromofluoromethane (Surr)	99		60 - 140

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

Lab Sample ID: MB 480-754064/1-A

Matrix: Solid

Analysis Batch: 754157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Chloronaphthalene	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Chlorophenol	ND		170	27	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Methylnaphthalene	ND		170	27	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Methylphenol	ND		170	27	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Nitroaniline	ND		330	29	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
2-Nitrophenol	ND		170	19	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
3-Nitroaniline	ND		330	24	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Chloroaniline	ND		170	24	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		08/12/25 13:36	08/13/25 12:09	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 480-754064/1-A

Matrix: Solid

Analysis Batch: 754157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		330	30	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Nitroaniline	ND		330	25	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
4-Nitrophenol	ND		330	46	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Acenaphthene	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Acenaphthylene	ND		170	33	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Acetophenone	ND		170	30	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Anthracene	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Atrazine	ND		170	57	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzaldehyde	ND		170	130	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzo[a]anthracene	ND		170	23	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzo[a]pyrene	ND		170	29	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Caprolactam	ND		170	39	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Carbazole	ND		170	33	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Chrysene	ND		170	41	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Dibenzofuran	ND		170	30	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Diethyl phthalate	ND		170	30	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Dimethyl phthalate	ND		170	33	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Fluoranthene	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Fluorene	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Hexachlorobenzene	ND		170	33	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Hexachlorobutadiene	ND		170	25	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Hexachloroethane	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Isophorone	ND		170	35	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Naphthalene	ND		170	28	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Nitrobenzene	ND		170	28	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Pentachlorophenol	ND		330	54	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Phenanthrene	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Phenol	ND		170	31	ug/Kg		08/12/25 13:36	08/13/25 12:09	1
Pyrene	ND		170	32	ug/Kg		08/12/25 13:36	08/13/25 12:09	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12500	T J	ug/Kg		1.98	N/A	08/12/25 13:36	08/13/25 12:09	1
Unknown	5980	T J	ug/Kg		3.47	N/A	08/12/25 13:36	08/13/25 12:09	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 480-754064/1-A

Matrix: Solid

Analysis Batch: 754157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754064

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		22 - 120	08/12/25 13:36	08/13/25 12:09	1
p-Terphenyl-d14 (Surr)	87		28 - 124	08/12/25 13:36	08/13/25 12:09	1
Phenol-d5 (Surr)	74		23 - 120	08/12/25 13:36	08/13/25 12:09	1
2-Fluorophenol (Surr)	72		18 - 120	08/12/25 13:36	08/13/25 12:09	1
2,4,6-Tribromophenol (Surr)	73		10 - 140	08/12/25 13:36	08/13/25 12:09	1
2-Fluorobiphenyl (Surr)	89		29 - 120	08/12/25 13:36	08/13/25 12:09	1

Lab Sample ID: LCS 480-754064/2-A

Matrix: Solid

Analysis Batch: 754157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	2670	2210		ug/Kg		83	47 - 120
bis (2-chloroisopropyl) ether	2670	1940		ug/Kg		73	31 - 120
2,4,5-Trichlorophenol	2670	2050		ug/Kg		77	52 - 120
2,4,6-Trichlorophenol	2670	2250		ug/Kg		84	51 - 120
2,4-Dichlorophenol	2670	2180		ug/Kg		82	44 - 120
2,4-Dimethylphenol	2670	2100		ug/Kg		79	48 - 120
2,4-Dinitrophenol	5330	3240		ug/Kg		61	28 - 120
2,4-Dinitrotoluene	2670	2250		ug/Kg		85	55 - 125
2,6-Dinitrotoluene	2670	2380		ug/Kg		89	51 - 125
2-Chloronaphthalene	2670	2280		ug/Kg		86	46 - 120
2-Chlorophenol	2670	1990		ug/Kg		75	40 - 120
2-Methylnaphthalene	2670	2070		ug/Kg		78	45 - 120
2-Methylphenol	2670	1880		ug/Kg		71	41 - 120
2-Nitroaniline	2670	2050		ug/Kg		77	51 - 125
2-Nitrophenol	2670	2200		ug/Kg		82	43 - 120
3,3'-Dichlorobenzidine	2670	1740		ug/Kg		65	10 - 120
3-Nitroaniline	2670	1420		ug/Kg		53	33 - 120
4,6-Dinitro-2-methylphenol	5330	4280		ug/Kg		80	49 - 126
4-Bromophenyl phenyl ether	2670	2330		ug/Kg		87	55 - 123
4-Chloro-3-methylphenol	2670	2030		ug/Kg		76	54 - 120
4-Chloroaniline	2670	1360		ug/Kg		51	20 - 120
4-Chlorophenyl phenyl ether	2670	2140		ug/Kg		80	54 - 120
4-Methylphenol	2670	1880		ug/Kg		70	43 - 120
4-Nitroaniline	2670	1940		ug/Kg		73	54 - 120
4-Nitrophenol	5330	3960		ug/Kg		74	47 - 120
Acenaphthene	2670	2210		ug/Kg		83	49 - 121
Acenaphthylene	2670	2140		ug/Kg		80	49 - 120
Acetophenone	2670	1990		ug/Kg		75	39 - 120
Anthracene	2670	2310		ug/Kg		87	57 - 120
Atrazine	2670	1700		ug/Kg		64	44 - 120
Benzaldehyde	2670	1280		ug/Kg		48	10 - 120
Benzo[a]anthracene	2670	2270		ug/Kg		85	58 - 120
Benzo[a]pyrene	2670	2310		ug/Kg		87	59 - 122
Benzo[b]fluoranthene	2670	2200		ug/Kg		82	56 - 120
Benzo[g,h,i]perylene	2670	2500		ug/Kg		94	56 - 132
Benzo[k]fluoranthene	2670	2380		ug/Kg		89	59 - 127

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 480-754064/2-A

Matrix: Solid

Analysis Batch: 754157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754064

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Bis(2-chloroethoxy)methane	2670	2160		ug/Kg		81	42 - 120
Bis(2-chloroethyl)ether	2670	2020		ug/Kg		76	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2360		ug/Kg		89	49 - 130
Butyl benzyl phthalate	2670	2340		ug/Kg		88	50 - 122
Caprolactam	2670	1240		ug/Kg		47	10 - 120
Carbazole	2670	2310		ug/Kg		87	58 - 124
Chrysene	2670	2250		ug/Kg		85	57 - 120
Dibenz(a,h)anthracene	2670	2520		ug/Kg		94	53 - 124
Dibenzofuran	2670	2160		ug/Kg		81	53 - 120
Diethyl phthalate	2670	2160		ug/Kg		81	54 - 120
Dimethyl phthalate	2670	2170		ug/Kg		82	53 - 120
Di-n-butyl phthalate	2670	2310		ug/Kg		87	49 - 120
Di-n-octyl phthalate	2670	2420		ug/Kg		91	42 - 125
Fluoranthene	2670	2300		ug/Kg		86	57 - 121
Fluorene	2670	2180		ug/Kg		82	55 - 121
Hexachlorobenzene	2670	2200		ug/Kg		83	56 - 120
Hexachlorobutadiene	2670	2230		ug/Kg		84	40 - 120
Hexachlorocyclopentadiene	2670	2420		ug/Kg		91	30 - 125
Hexachloroethane	2670	1930		ug/Kg		72	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2390		ug/Kg		89	53 - 125
Isophorone	2670	2040		ug/Kg		77	46 - 120
Naphthalene	2670	2170		ug/Kg		81	43 - 120
Nitrobenzene	2670	2190		ug/Kg		82	40 - 120
N-Nitrosodi-n-propylamine	2670	1900		ug/Kg		71	41 - 120
N-Nitrosodiphenylamine	2670	2320		ug/Kg		87	57 - 126
Pentachlorophenol	5330	3690		ug/Kg		69	10 - 124
Phenanthrene	2670	2330		ug/Kg		87	57 - 120
Phenol	2670	1850		ug/Kg		69	37 - 120
Pyrene	2670	2310		ug/Kg		87	59 - 125

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	86		22 - 120
p-Terphenyl-d14 (Surr)	89		28 - 124
Phenol-d5 (Surr)	78		23 - 120
2-Fluorophenol (Surr)	77		18 - 120
2,4,6-Tribromophenol (Surr)	93		10 - 140
2-Fluorobiphenyl (Surr)	93		29 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-754128/1-A

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754128

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		3.3	0.65	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
beta-BHC	ND		3.3	0.60	ug/Kg		08/13/25 06:43	08/14/25 09:21	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 480-754128/1-A

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	ND		3.3	1.7	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
alpha-BHC	ND		3.3	0.60	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Aldrin	ND		3.3	0.82	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
delta-BHC	ND		3.3	0.62	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Dieldrin	ND		3.3	0.80	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endosulfan I	ND		3.3	0.64	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endosulfan II	ND		3.3	0.60	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endrin	ND		3.3	0.66	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Endrin ketone	ND		3.3	0.82	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Heptachlor	ND		3.3	0.72	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Methoxychlor	ND		3.3	0.68	ug/Kg		08/13/25 06:43	08/14/25 09:21	1
Toxaphene	ND		33	19	ug/Kg		08/13/25 06:43	08/14/25 09:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120	08/13/25 06:43	08/14/25 09:21	1
DCB Decachlorobiphenyl	96		45 - 120	08/13/25 06:43	08/14/25 09:21	1
Tetrachloro-m-xylene	72		30 - 124	08/13/25 06:43	08/14/25 09:21	1
Tetrachloro-m-xylene	70		30 - 124	08/13/25 06:43	08/14/25 09:21	1

Lab Sample ID: LCS 480-754128/2-A

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	25.0		ug/Kg		75	56 - 120
4,4'-DDE	33.3	23.6		ug/Kg		71	44 - 120
4,4'-DDT	33.3	24.7		ug/Kg		74	38 - 120
beta-BHC	33.3	23.4		ug/Kg		70	40 - 120
cis-Chlordane	33.3	20.6		ug/Kg		62	47 - 120
alpha-BHC	33.3	20.2		ug/Kg		61	39 - 120
Aldrin	33.3	19.5		ug/Kg		59	38 - 120
delta-BHC	33.3	23.6		ug/Kg		71	45 - 120
Dieldrin	33.3	24.3		ug/Kg		73	58 - 120
Endosulfan I	33.3	24.0		ug/Kg		72	49 - 120
Endosulfan II	33.3	24.3		ug/Kg		73	55 - 120
Endosulfan sulfate	33.3	23.0		ug/Kg		69	49 - 124
Endrin	33.3	24.3		ug/Kg		73	58 - 120
Endrin aldehyde	33.3	18.0		ug/Kg		54	37 - 121
Endrin ketone	33.3	23.7		ug/Kg		71	46 - 123
gamma-BHC (Lindane)	33.3	22.6		ug/Kg		68	50 - 120
trans-Chlordane	33.3	20.3		ug/Kg		61	48 - 120
Heptachlor	33.3	23.4		ug/Kg		70	50 - 120
Heptachlor epoxide	33.3	23.9		ug/Kg		72	50 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 480-754128/2-A

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methoxychlor	33.3	23.9		ug/Kg		72	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	92		45 - 120
DCB Decachlorobiphenyl	95		45 - 120
Tetrachloro-m-xylene	65		30 - 124
Tetrachloro-m-xylene	68		30 - 124

Lab Sample ID: 480-231732-2 MS

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: RI-BH-16

Prep Type: Total/NA

Prep Batch: 754128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	ND		45.9	27.7		ug/Kg	✱	60	37 - 126
4,4'-DDE	2.9	J	45.9	29.9		ug/Kg	✱	59	34 - 120
4,4'-DDT	2.3	J	45.9	28.4		ug/Kg	✱	57	43 - 123
beta-BHC	ND		45.9	24.7		ug/Kg	✱	54	36 - 120
cis-Chlordane	ND		45.9	25.9		ug/Kg	✱	57	35 - 120
alpha-BHC	ND		45.9	24.8		ug/Kg	✱	54	39 - 120
Aldrin	ND		45.9	28.5		ug/Kg	✱	62	37 - 125
delta-BHC	ND		45.9	26.3		ug/Kg	✱	57	34 - 120
Dieldrin	ND		45.9	28.0		ug/Kg	✱	61	45 - 120
Endosulfan I	ND		45.9	28.0		ug/Kg	✱	61	39 - 120
Endosulfan II	ND		45.9	27.3		ug/Kg	✱	60	34 - 126
Endosulfan sulfate	ND		45.9	23.3		ug/Kg	✱	51	27 - 130
Endrin	1.1	J	45.9	28.4		ug/Kg	✱	59	47 - 121
Endrin aldehyde	ND		45.9	18.9		ug/Kg	✱	41	33 - 123
Endrin ketone	ND		45.9	25.8		ug/Kg	✱	56	43 - 126
gamma-BHC (Lindane)	ND		45.9	25.7		ug/Kg	✱	56	50 - 120
trans-Chlordane	ND		45.9	24.3		ug/Kg	✱	53	31 - 120
Heptachlor	ND		45.9	28.9		ug/Kg	✱	63	42 - 120
Heptachlor epoxide	ND		45.9	27.3		ug/Kg	✱	60	40 - 120
Methoxychlor	1.6	J	45.9	27.6		ug/Kg	✱	57	44 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	127	S1+	45 - 120
DCB Decachlorobiphenyl	108		45 - 120
Tetrachloro-m-xylene	78		30 - 124
Tetrachloro-m-xylene	78		30 - 124

Lab Sample ID: 480-231732-2 MSD

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: RI-BH-16

Prep Type: Total/NA

Prep Batch: 754128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
4,4'-DDD	ND		46.0	30.6		ug/Kg	✱	66	37 - 126	10	21
4,4'-DDE	2.9	J	46.0	33.1		ug/Kg	✱	66	34 - 120	10	18
4,4'-DDT	2.3	J	46.0	31.5		ug/Kg	✱	63	43 - 123	10	25

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: 480-231732-2 MSD

Matrix: Solid

Analysis Batch: 754251

Client Sample ID: RI-BH-16

Prep Type: Total/NA

Prep Batch: 754128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC	ND		46.0	27.6		ug/Kg	☼	60	36 - 120	11	19
cis-Chlordane	ND		46.0	28.7		ug/Kg	☼	62	35 - 120	10	23
alpha-BHC	ND		46.0	27.3		ug/Kg	☼	59	39 - 120	10	15
Aldrin	ND		46.0	30.9		ug/Kg	☼	67	37 - 125	8	12
delta-BHC	ND		46.0	29.4		ug/Kg	☼	64	34 - 120	11	14
Dieldrin	ND		46.0	30.9		ug/Kg	☼	67	45 - 120	10	12
Endosulfan I	ND		46.0	31.0		ug/Kg	☼	67	39 - 120	10	18
Endosulfan II	ND		46.0	30.2		ug/Kg	☼	66	34 - 126	10	26
Endosulfan sulfate	ND		46.0	27.1		ug/Kg	☼	59	27 - 130	15	35
Endrin	1.1	J	46.0	31.1		ug/Kg	☼	65	47 - 121	9	20
Endrin aldehyde	ND		46.0	22.0		ug/Kg	☼	48	33 - 123	15	47
Endrin ketone	ND		46.0	28.7		ug/Kg	☼	62	43 - 126	11	37
gamma-BHC (Lindane)	ND		46.0	28.4		ug/Kg	☼	62	50 - 120	10	12
trans-Chlordane	ND		46.0	26.8		ug/Kg	☼	58	31 - 120	9	15
Heptachlor	ND		46.0	31.2		ug/Kg	☼	68	42 - 120	8	22
Heptachlor epoxide	ND		46.0	30.0		ug/Kg	☼	65	40 - 120	9	15
Methoxychlor	1.6	J	46.0	31.1		ug/Kg	☼	64	44 - 150	12	24
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	133	S1+	45 - 120								
DCB Decachlorobiphenyl	112		45 - 120								
Tetrachloro-m-xylene	76		30 - 124								
Tetrachloro-m-xylene	77		30 - 124								

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

Lab Sample ID: MB 480-754065/1-A

Matrix: Solid

Analysis Batch: 754124

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1221	ND		0.25	0.049	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1232	ND		0.25	0.049	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1242	ND		0.25	0.049	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1248	ND		0.25	0.049	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1254	ND		0.25	0.12	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
PCB-1260	ND		0.25	0.12	mg/Kg		08/12/25 13:40	08/13/25 09:01	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	154		60 - 154				08/12/25 13:40	08/13/25 09:01	1
Tetrachloro-m-xylene	142		60 - 154				08/12/25 13:40	08/13/25 09:01	1
DCB Decachlorobiphenyl	180	S1+	65 - 174				08/12/25 13:40	08/13/25 09:01	1
DCB Decachlorobiphenyl	147		65 - 174				08/12/25 13:40	08/13/25 09:01	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 480-754065/2-A

Matrix: Solid

Analysis Batch: 754124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.50	3.09		mg/Kg		124	51 - 185
PCB-1260	2.50	2.91		mg/Kg		116	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	145		60 - 154
Tetrachloro-m-xylene	132		60 - 154
DCB Decachlorobiphenyl	162		65 - 174
DCB Decachlorobiphenyl	141		65 - 174

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

Lab Sample ID: MB 410-685618/1-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		08/14/25 15:06	08/18/25 21:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		08/14/25 15:06	08/18/25 21:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		08/14/25 15:06	08/18/25 21:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		08/14/25 15:06	08/18/25 21:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		08/14/25 15:06	08/18/25 21:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		08/14/25 15:06	08/18/25 21:33	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 410-685618/1-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		08/14/25 15:06	08/18/25 21:33	1
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		08/14/25 15:06	08/18/25 21:33	1
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		08/14/25 15:06	08/18/25 21:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		08/14/25 15:06	08/18/25 21:33	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		08/14/25 15:06	08/18/25 21:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		08/14/25 15:06	08/18/25 21:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		08/14/25 15:06	08/18/25 21:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		08/14/25 15:06	08/18/25 21:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		08/14/25 15:06	08/18/25 21:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		08/14/25 15:06	08/18/25 21:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		08/14/25 15:06	08/18/25 21:33	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	73.3		8 - 130	08/14/25 15:06	08/18/25 21:33	1
13C5-PFPeA	78.7		35 - 130	08/14/25 15:06	08/18/25 21:33	1
13C5-PFHxA	78.5		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C4-PFHpA	83.9		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C8-PFOA	74.7		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C9-PFNA	84.4		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C6-PFDA	73.4		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C7-PFUnA	62.8		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C2-PFTeDA	28.3		20 - 130	08/14/25 15:06	08/18/25 21:33	1
13C3-PFBS	82.4		40 - 135	08/14/25 15:06	08/18/25 21:33	1
13C3-PFHxS	85.2		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C8-PFOS	81.6		40 - 130	08/14/25 15:06	08/18/25 21:33	1
13C8-PFOSA	58.5		40 - 130	08/14/25 15:06	08/18/25 21:33	1
d3-NMeFOSAA	72.7		40 - 135	08/14/25 15:06	08/18/25 21:33	1
d5-NEtFOSAA	59.2		40 - 150	08/14/25 15:06	08/18/25 21:33	1
13C2 4:2 FTS	90.1		40 - 165	08/14/25 15:06	08/18/25 21:33	1
13C2 6:2 FTS	100		40 - 215	08/14/25 15:06	08/18/25 21:33	1
13C2 8:2 FTS	96.7		40 - 275	08/14/25 15:06	08/18/25 21:33	1
13C3-HFPO-DA	79.1		40 - 130	08/14/25 15:06	08/18/25 21:33	1
D7-NMeFOSE	48.8		20 - 130	08/14/25 15:06	08/18/25 21:33	1
D9-NEtFOSE	44.4		15 - 130	08/14/25 15:06	08/18/25 21:33	1
d5-NEtPFOSA	43.9		10 - 130	08/14/25 15:06	08/18/25 21:33	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: MB 410-685618/1-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685618

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d3-NMePFOSA	44.7		10 - 130	08/14/25 15:06	08/18/25 21:33	1
13C2 PFDoA	56.5		40 - 130	08/14/25 15:06	08/18/25 21:33	1

Lab Sample ID: LCS 410-685618/2-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.34		ng/g		107	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.58		ng/g		103	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.55		ng/g		102	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.54		ng/g		101	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.51		ng/g		100	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.44		ng/g		97	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.41		ng/g		96	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.58		ng/g		103	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.33		ng/g		93	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.47		ng/g		99	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.42		ng/g		97	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.07		ng/g		93	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.36		ng/g		100	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.00		ng/g		88	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.74		ng/g		115	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.16		ng/g		93	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	1.91		ng/g		79	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	1.75		ng/g		73	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.41		ng/g		58	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.61		ng/g		98	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.66		ng/g		98	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.68		ng/g		98	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.54		ng/g		102	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.24		ng/g		90	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.44		ng/g		97	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.31		ng/g		92	65 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 410-685618/2-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.52		ng/g		101	65 - 165
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	12.5	13.4		ng/g		107	70 - 140
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	12.5	13.1		ng/g		105	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.02		ng/g		108	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.37		ng/g		100	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.62		ng/g		105	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.49		ng/g		99	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	3.07		ng/g		123	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	1.93		ng/g		83	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.85		ng/g		78	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.23	2.54		ng/g		114	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.48		ng/g		90	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	10.8		ng/g		87	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	8.83		ng/g		71	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	89.6		8 - 130
13C5-PFPeA	99.9		35 - 130
13C5-PFHxA	92.9		40 - 130
13C4-PFHpA	101		40 - 130
13C8-PFOA	90.8		40 - 130
13C9-PFNA	93.1		40 - 130
13C6-PFDA	79.6		40 - 130
13C7-PFUnA	62.9		40 - 130
13C2-PFTeDA	58.5		20 - 130
13C3-PFBS	102		40 - 135
13C3-PFHxS	101		40 - 130
13C8-PFOS	88.9		40 - 130
13C8-PFOSA	73.7		40 - 130
d3-NMeFOSAA	83.0		40 - 135
d5-NEtFOSAA	74.5		40 - 150
13C2 4:2 FTS	104		40 - 165
13C2 6:2 FTS	113		40 - 215
13C2 8:2 FTS	89.6		40 - 275
13C3-HFPO-DA	99.6		40 - 130
D7-NMeFOSE	57.8		20 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCS 410-685618/2-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
D9-NEtFOSE	48.9		15 - 130
d5-NEtPFOSA	61.8		10 - 130
d3-NMePFOSA	64.5		10 - 130
13C2 PFDoA	66.9		40 - 130

Lab Sample ID: LLCS 410-685618/3-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Analyte	Spike Added	LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	0.500	0.507		ng/g		101	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.254		ng/g		102	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.264		ng/g		106	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.240		ng/g		96	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.290		ng/g		116	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.218		ng/g		87	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.235		ng/g		94	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.228		ng/g		91	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.248		ng/g		99	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.232		ng/g		93	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.291		ng/g		116	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.216		ng/g		97	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.233		ng/g		99	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.211		ng/g		93	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.243		ng/g		102	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.234		ng/g		101	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.186	J	ng/g		77	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.161	J	ng/g		67	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.101	J	ng/g		42	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.482		ng/g		103	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.441		ng/g		93	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.493		ng/g		103	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.259		ng/g		103	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.248		ng/g		99	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.299		ng/g		120	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LLCS 410-685618/3-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.238		ng/g		95	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.255		ng/g		102	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.41		ng/g		113	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.47		ng/g		118	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.188	J	ng/g		100	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.251		ng/g		106	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.265		ng/g		106	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.243		ng/g		97	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.337		ng/g		135	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.214		ng/g		92	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.156	J	ng/g		66	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	0.223	0.242		ng/g		108	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.465		ng/g		93	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.07		ng/g		86	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	0.863	J	ng/g		69	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4-PFBA	91.9		8 - 130
13C5-PFPeA	104		35 - 130
13C5-PFHxA	99.6		40 - 130
13C4-PFHpA	108		40 - 130
13C8-PFOA	94.6		40 - 130
13C9-PFNA	107		40 - 130
13C6-PFDA	92.2		40 - 130
13C7-PFUnA	74.2		40 - 130
13C2-PFTeDA	28.1		20 - 130
13C3-PFBS	100		40 - 135
13C3-PFHxS	102		40 - 130
13C8-PFOS	96.6		40 - 130
13C8-PFOSA	72.1		40 - 130
d3-NMeFOSAA	78.5		40 - 135
d5-NEtFOSAA	64.9		40 - 150
13C2 4:2 FTS	107		40 - 165
13C2 6:2 FTS	118		40 - 215
13C2 8:2 FTS	105		40 - 275
13C3-HFPO-DA	103		40 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LLCS 410-685618/3-A

Matrix: Solid

Analysis Batch: 686777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685618

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
D7-NMeFOSE	52.5		20 - 130
D9-NEtFOSE	47.0		15 - 130
d5-NEtPFOSA	45.6		10 - 130
d3-NMePFOSA	52.6		10 - 130
13C2 PFDaA	64.4		40 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-754186/1-A

Matrix: Solid

Analysis Batch: 754407

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754186

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		10.2	8.8	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Antimony	ND		15.3	0.54	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Arsenic	ND		2.0	0.90	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Barium	ND		0.51	0.14	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Beryllium	ND	^5-	0.20	0.041	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Cadmium	ND		0.20	0.071	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Calcium	ND		51.1	27.6	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Chromium	ND		0.51	0.37	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Cobalt	ND		0.51	0.10	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Copper	ND		1.0	0.58	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Iron	ND		10.2	8.7	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Lead	ND		1.0	0.47	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Magnesium	ND		20.4	8.7	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Manganese	ND		1.0	0.29	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Nickel	ND		5.1	0.26	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Potassium	ND		30.6	24.8	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Selenium	ND		4.1	0.82	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Silver	ND	^5-	0.61	0.20	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Sodium	ND		143	62.6	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Thallium	ND		6.1	0.78	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Vanadium	ND		0.51	0.13	mg/Kg		08/14/25 08:13	08/14/25 15:26	1
Zinc	ND	^5-	2.0	1.0	mg/Kg		08/14/25 08:13	08/14/25 15:26	1

Lab Sample ID: LCSSRM 480-754186/2-A

Matrix: Solid

Analysis Batch: 754407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754186

Analyte	Spike Added	LCSSRM		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Aluminum	7680	7683		mg/Kg		100.0	47.4 - 130.	2
Antimony	201	65.84		mg/Kg		32.8	0.06 - 100.	0
Arsenic	181	130.7		mg/Kg		72.2	66.3 - 97.8	
Barium	211	190.9		mg/Kg		90.5	73.9 - 107.	1
Beryllium	270	244.4		mg/Kg		90.5	73.0 - 104.	4

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCSSRM 480-754186/2-A
Matrix: Solid
Analysis Batch: 754407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754186

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	221	181.0		mg/Kg		81.9	70.6 - 101.8
Calcium	4280	4122		mg/Kg		96.3	77.3 - 111.0
Chromium	149	130.5		mg/Kg		87.6	71.8 - 105.4
Cobalt	142	135.1		mg/Kg		95.1	73.2 - 104.2
Copper	264	232.9		mg/Kg		88.2	73.5 - 104.2
Iron	7360	6455		mg/Kg		87.7	55.4 - 130.3
Lead	106	95.49		mg/Kg		90.1	76.1 - 109.4
Magnesium	2170	1900		mg/Kg		87.6	68.7 - 112.0
Manganese	270	222.8		mg/Kg		82.5	73.0 - 107.8
Nickel	177	169.3		mg/Kg		95.6	71.8 - 103.4
Potassium	2340	2153		mg/Kg		92.0	62.8 - 113.7
Selenium	139	106.4		mg/Kg		76.6	70.0 - 107.9
Silver	59.9	50.50		mg/Kg		84.3	72.8 - 110.7
Sodium	306	280.9		mg/Kg		91.8	66.0 - 113.4
Thallium	205	187.5		mg/Kg		91.4	71.7 - 106.8
Vanadium	155	134.1		mg/Kg		86.5	69.0 - 107.7
Zinc	398	327.5		mg/Kg		82.3	68.8 - 104.5

Lab Sample ID: 480-231732-1 MS
Matrix: Solid
Analysis Batch: 754407

Client Sample ID: RI-BH-5
Prep Type: Total/NA
Prep Batch: 754186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	4070	F1	1160	6453	F1	mg/Kg	✱	205	75 - 125
Antimony	ND		114	89.38		mg/Kg	✱	79	75 - 125
Arsenic	2.0	J	227	203.3		mg/Kg	✱	89	75 - 125
Barium	15.2		227	241.2		mg/Kg	✱	99	75 - 125
Beryllium	0.38	^5-	113	113.0	^5-	mg/Kg	✱	100	75 - 125
Cadmium	0.12	J	114	104.3		mg/Kg	✱	92	75 - 125
Calcium	1460		5690	7204		mg/Kg	✱	101	75 - 125
Chromium	3.9		114	110.3		mg/Kg	✱	94	75 - 125
Cobalt	4.0		114	112.7		mg/Kg	✱	96	75 - 125
Copper	26.4		114	135.0		mg/Kg	✱	95	75 - 125
Iron	5520	^1- ^-	1160	6932	4	mg/Kg	✱	121	75 - 125
Lead	4.4		114	112.6		mg/Kg	✱	95	75 - 125
Magnesium	520		5690	5892		mg/Kg	✱	94	75 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: 480-231732-1 MS

Matrix: Solid

Analysis Batch: 754407

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	202	F1	114	317.4		mg/Kg	✱	101	75 - 125
Nickel	3.3	J	114	114.5		mg/Kg	✱	98	75 - 125
Potassium	514		5680	6236		mg/Kg	✱	101	75 - 125
Selenium	ND		227	197.6		mg/Kg	✱	87	75 - 125
Silver	ND	^5-	11.4	10.49	^5-	mg/Kg	✱	92	75 - 125
Sodium	81.7	J	5680	5484		mg/Kg	✱	95	75 - 125
Thallium	ND		227	195.9		mg/Kg	✱	86	75 - 125
Vanadium	7.9		114	116.8		mg/Kg	✱	96	75 - 125
Zinc	19.4	^5-	114	122.5	^5-	mg/Kg	✱	91	75 - 125

Lab Sample ID: 480-231732-1 MSD

Matrix: Solid

Analysis Batch: 754407

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754186

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	4070	F1	1240	7109	F1	mg/Kg	✱	246	75 - 125	10	20
Antimony	ND		121	93.07		mg/Kg	✱	77	75 - 125	4	20
Arsenic	2.0	J	242	216.4		mg/Kg	✱	89	75 - 125	6	20
Barium	15.2		242	256.9		mg/Kg	✱	100	75 - 125	6	20
Beryllium	0.38	^5-	120	120.3	^5-	mg/Kg	✱	100	75 - 125	6	20
Cadmium	0.12	J	121	111.4		mg/Kg	✱	92	75 - 125	7	20
Calcium	1460		6060	7775		mg/Kg	✱	104	75 - 125	8	20
Chromium	3.9		121	118.0		mg/Kg	✱	94	75 - 125	7	20
Cobalt	4.0		121	120.9		mg/Kg	✱	97	75 - 125	7	20
Copper	26.4		121	144.4		mg/Kg	✱	98	75 - 125	7	20
Iron	5520	^1- ^-	1240	7279	4	mg/Kg	✱	142	75 - 125	5	20
Lead	4.4		121	120.6		mg/Kg	✱	96	75 - 125	7	20
Magnesium	520		6050	6279		mg/Kg	✱	95	75 - 125	6	20
Manganese	202	F1	121	362.4	F1	mg/Kg	✱	132	75 - 125	13	20
Nickel	3.3	J	121	122.3		mg/Kg	✱	98	75 - 125	7	20
Potassium	514		6050	6621		mg/Kg	✱	101	75 - 125	6	20
Selenium	ND		242	209.7		mg/Kg	✱	87	75 - 125	6	20
Silver	ND	^5-	12.1	11.33	^5-	mg/Kg	✱	94	75 - 125	8	20
Sodium	81.7	J	6050	5884		mg/Kg	✱	96	75 - 125	7	20
Thallium	ND		242	206.9		mg/Kg	✱	85	75 - 125	5	20
Vanadium	7.9		121	125.1		mg/Kg	✱	97	75 - 125	7	20
Zinc	19.4	^5-	121	131.0	^5-	mg/Kg	✱	92	75 - 125	7	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-754152/1-A

Matrix: Solid

Analysis Batch: 754237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0045	mg/Kg		08/13/25 11:22	08/13/25 15:53	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Lab Sample ID: LCSSRM 480-754152/2-A

Matrix: Solid

Analysis Batch: 754237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754152

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	17.43		mg/Kg		72.6	55.8 - 109.6

Lab Sample ID: 480-231732-1 MS

Matrix: Solid

Analysis Batch: 754237

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.367	0.349		mg/Kg	✱	95	80 - 120

Lab Sample ID: 480-231732-1 MSD

Matrix: Solid

Analysis Batch: 754237

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.371	0.349		mg/Kg	✱	94	80 - 120	0	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-754371/1-A

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg		08/14/25 12:30	08/14/25 18:11	1

Lab Sample ID: LCS 480-754371/3-A

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.371		mg/Kg		93	29 - 122

Lab Sample ID: LCS 480-754371/4-A

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.229		mg/Kg		92	29 - 122

Lab Sample ID: LCSSRM 480-754371/2-A

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	134	80.70		mg/Kg		60.2	31.6 - 131.3

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 480-231732-1 MS

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	1.17	0.540	J F1	mg/Kg	✱	46	85 - 115

Lab Sample ID: 480-231732-14 MS

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: STP-3 E

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	1.21	1.80	F1	mg/Kg	✱	148	85 - 115

Lab Sample ID: 480-231732-1 DU

Matrix: Solid

Analysis Batch: 754436

Client Sample ID: RI-BH-5

Prep Type: Total/NA

Prep Batch: 754371

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND	F1	ND		mg/Kg	✱	NC	15

Lab Sample ID: MB 480-754524/1-A

Matrix: Solid

Analysis Batch: 754526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.90	0.43	mg/Kg		08/15/25 13:45	08/16/25 11:25	1

Lab Sample ID: LCS 480-754524/3-A

Matrix: Solid

Analysis Batch: 754526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.439		mg/Kg		110	29 - 122

Lab Sample ID: LCS 480-754524/4-A

Matrix: Solid

Analysis Batch: 754526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.237		mg/Kg		95	29 - 122

Lab Sample ID: LCSSRM 480-754524/2-A

Matrix: Solid

Analysis Batch: 754526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754524

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	134	85.95		mg/Kg		64.1	31.6 - 131.3

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

GC/MS VOA

Prep Batch: 754107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	5035A_L	
480-231732-2	RI-BH-16	Total/NA	Solid	5035A_L	
MB 480-754107/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-754107/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 754108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	8260C	754107
480-231732-2	RI-BH-16	Total/NA	Solid	8260C	754107
MB 480-754107/2-A	Method Blank	Total/NA	Solid	8260C	754107
LCS 480-754107/1-A	Lab Control Sample	Total/NA	Solid	8260C	754107

GC/MS Semi VOA

Prep Batch: 754064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	3546	
480-231732-2	RI-BH-16	Total/NA	Solid	3546	
MB 480-754064/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-754064/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 754153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	8270D	754064
480-231732-2	RI-BH-16	Total/NA	Solid	8270D	754064

Analysis Batch: 754157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-754064/1-A	Method Blank	Total/NA	Solid	8270D	754064
LCS 480-754064/2-A	Lab Control Sample	Total/NA	Solid	8270D	754064

GC Semi VOA

Prep Batch: 754065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	3550C	
480-231732-2	RI-BH-16	Total/NA	Solid	3550C	
MB 480-754065/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-754065/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 754124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	8082A	754065
480-231732-2	RI-BH-16	Total/NA	Solid	8082A	754065
MB 480-754065/1-A	Method Blank	Total/NA	Solid	8082A	754065
LCS 480-754065/2-A	Lab Control Sample	Total/NA	Solid	8082A	754065

Prep Batch: 754128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	3546	
480-231732-2	RI-BH-16	Total/NA	Solid	3546	
MB 480-754128/1-A	Method Blank	Total/NA	Solid	3546	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

GC Semi VOA (Continued)

Prep Batch: 754128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-754128/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-231732-2 MS	RI-BH-16	Total/NA	Solid	3546	
480-231732-2 MSD	RI-BH-16	Total/NA	Solid	3546	

Analysis Batch: 754251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	8081B	754128
480-231732-2	RI-BH-16	Total/NA	Solid	8081B	754128
MB 480-754128/1-A	Method Blank	Total/NA	Solid	8081B	754128
LCS 480-754128/2-A	Lab Control Sample	Total/NA	Solid	8081B	754128
480-231732-2 MS	RI-BH-16	Total/NA	Solid	8081B	754128
480-231732-2 MSD	RI-BH-16	Total/NA	Solid	8081B	754128

LCMS

Prep Batch: 685618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	1633 Shake	
480-231732-2	RI-BH-16	Total/NA	Solid	1633 Shake	
MB 410-685618/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-685618/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 410-685618/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 686777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	1633	685618
480-231732-2	RI-BH-16	Total/NA	Solid	1633	685618
MB 410-685618/1-A	Method Blank	Total/NA	Solid	1633	685618
LCS 410-685618/2-A	Lab Control Sample	Total/NA	Solid	1633	685618
LLCS 410-685618/3-A	Lab Control Sample	Total/NA	Solid	1633	685618

Metals

Prep Batch: 754152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	7471B	
480-231732-2	RI-BH-16	Total/NA	Solid	7471B	
480-231732-3	STP-1 N	Total/NA	Solid	7471B	
480-231732-4	STP-1 S	Total/NA	Solid	7471B	
480-231732-5	STP-1 W	Total/NA	Solid	7471B	
480-231732-6	STP-1 E	Total/NA	Solid	7471B	
480-231732-7	STP-2 N	Total/NA	Solid	7471B	
480-231732-8	STP-2 S	Total/NA	Solid	7471B	
480-231732-9	STP-2 W	Total/NA	Solid	7471B	
480-231732-10	STP-2 E	Total/NA	Solid	7471B	
480-231732-11	STP-3 N	Total/NA	Solid	7471B	
480-231732-12	STP-3 S	Total/NA	Solid	7471B	
480-231732-13	STP-3 W	Total/NA	Solid	7471B	
480-231732-14	STP-3 E	Total/NA	Solid	7471B	
480-231732-15	STP-4 N	Total/NA	Solid	7471B	
480-231732-16	STP-4 S	Total/NA	Solid	7471B	
480-231732-17	STP-4 W	Total/NA	Solid	7471B	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Metals (Continued)

Prep Batch: 754152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-18	STP-4 E	Total/NA	Solid	7471B	
MB 480-754152/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-754152/2-A	Lab Control Sample	Total/NA	Solid	7471B	
480-231732-1 MS	RI-BH-5	Total/NA	Solid	7471B	
480-231732-1 MSD	RI-BH-5	Total/NA	Solid	7471B	

Prep Batch: 754186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	3050B	
480-231732-2	RI-BH-16	Total/NA	Solid	3050B	
480-231732-3	STP-1 N	Total/NA	Solid	3050B	
480-231732-4	STP-1 S	Total/NA	Solid	3050B	
480-231732-5	STP-1 W	Total/NA	Solid	3050B	
480-231732-6	STP-1 E	Total/NA	Solid	3050B	
480-231732-7	STP-2 N	Total/NA	Solid	3050B	
480-231732-8	STP-2 S	Total/NA	Solid	3050B	
480-231732-9	STP-2 W	Total/NA	Solid	3050B	
480-231732-10	STP-2 E	Total/NA	Solid	3050B	
480-231732-11	STP-3 N	Total/NA	Solid	3050B	
480-231732-12	STP-3 S	Total/NA	Solid	3050B	
480-231732-13	STP-3 W	Total/NA	Solid	3050B	
480-231732-14	STP-3 E	Total/NA	Solid	3050B	
480-231732-15	STP-4 N	Total/NA	Solid	3050B	
480-231732-16	STP-4 S	Total/NA	Solid	3050B	
480-231732-17	STP-4 W	Total/NA	Solid	3050B	
480-231732-18	STP-4 E	Total/NA	Solid	3050B	
MB 480-754186/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-754186/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-231732-1 MS	RI-BH-5	Total/NA	Solid	3050B	
480-231732-1 MSD	RI-BH-5	Total/NA	Solid	3050B	

Analysis Batch: 754237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	7471B	754152
480-231732-2	RI-BH-16	Total/NA	Solid	7471B	754152
480-231732-3	STP-1 N	Total/NA	Solid	7471B	754152
480-231732-4	STP-1 S	Total/NA	Solid	7471B	754152
480-231732-5	STP-1 W	Total/NA	Solid	7471B	754152
480-231732-6	STP-1 E	Total/NA	Solid	7471B	754152
480-231732-7	STP-2 N	Total/NA	Solid	7471B	754152
480-231732-8	STP-2 S	Total/NA	Solid	7471B	754152
480-231732-9	STP-2 W	Total/NA	Solid	7471B	754152
480-231732-10	STP-2 E	Total/NA	Solid	7471B	754152
480-231732-11	STP-3 N	Total/NA	Solid	7471B	754152
480-231732-12	STP-3 S	Total/NA	Solid	7471B	754152
480-231732-13	STP-3 W	Total/NA	Solid	7471B	754152
480-231732-14	STP-3 E	Total/NA	Solid	7471B	754152
480-231732-15	STP-4 N	Total/NA	Solid	7471B	754152
480-231732-16	STP-4 S	Total/NA	Solid	7471B	754152
480-231732-17	STP-4 W	Total/NA	Solid	7471B	754152
480-231732-18	STP-4 E	Total/NA	Solid	7471B	754152

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Metals (Continued)

Analysis Batch: 754237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-754152/1-A	Method Blank	Total/NA	Solid	7471B	754152
LCSSRM 480-754152/2-A	Lab Control Sample	Total/NA	Solid	7471B	754152
480-231732-1 MS	RI-BH-5	Total/NA	Solid	7471B	754152
480-231732-1 MSD	RI-BH-5	Total/NA	Solid	7471B	754152

Analysis Batch: 754407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	6010D	754186
480-231732-2	RI-BH-16	Total/NA	Solid	6010D	754186
480-231732-3	STP-1 N	Total/NA	Solid	6010D	754186
480-231732-4	STP-1 S	Total/NA	Solid	6010D	754186
480-231732-5	STP-1 W	Total/NA	Solid	6010D	754186
480-231732-6	STP-1 E	Total/NA	Solid	6010D	754186
480-231732-7	STP-2 N	Total/NA	Solid	6010D	754186
480-231732-8	STP-2 S	Total/NA	Solid	6010D	754186
480-231732-9	STP-2 W	Total/NA	Solid	6010D	754186
480-231732-10	STP-2 E	Total/NA	Solid	6010D	754186
480-231732-11	STP-3 N	Total/NA	Solid	6010D	754186
480-231732-12	STP-3 S	Total/NA	Solid	6010D	754186
480-231732-13	STP-3 W	Total/NA	Solid	6010D	754186
480-231732-14	STP-3 E	Total/NA	Solid	6010D	754186
480-231732-15	STP-4 N	Total/NA	Solid	6010D	754186
480-231732-16	STP-4 S	Total/NA	Solid	6010D	754186
480-231732-17	STP-4 W	Total/NA	Solid	6010D	754186
480-231732-18	STP-4 E	Total/NA	Solid	6010D	754186
MB 480-754186/1-A	Method Blank	Total/NA	Solid	6010D	754186
LCSSRM 480-754186/2-A	Lab Control Sample	Total/NA	Solid	6010D	754186
480-231732-1 MS	RI-BH-5	Total/NA	Solid	6010D	754186
480-231732-1 MSD	RI-BH-5	Total/NA	Solid	6010D	754186

Analysis Batch: 754480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-3	STP-1 N	Total/NA	Solid	6010D	754186
480-231732-6	STP-1 E	Total/NA	Solid	6010D	754186
480-231732-15	STP-4 N	Total/NA	Solid	6010D	754186
480-231732-16	STP-4 S	Total/NA	Solid	6010D	754186
480-231732-17	STP-4 W	Total/NA	Solid	6010D	754186
480-231732-18	STP-4 E	Total/NA	Solid	6010D	754186

General Chemistry

Analysis Batch: 754071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	Moisture	
480-231732-2	RI-BH-16	Total/NA	Solid	Moisture	
480-231732-3	STP-1 N	Total/NA	Solid	Moisture	
480-231732-4	STP-1 S	Total/NA	Solid	Moisture	
480-231732-5	STP-1 W	Total/NA	Solid	Moisture	
480-231732-6	STP-1 E	Total/NA	Solid	Moisture	
480-231732-7	STP-2 N	Total/NA	Solid	Moisture	
480-231732-8	STP-2 S	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

General Chemistry (Continued)

Analysis Batch: 754071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-9	STP-2 W	Total/NA	Solid	Moisture	
480-231732-10	STP-2 E	Total/NA	Solid	Moisture	
480-231732-11	STP-3 N	Total/NA	Solid	Moisture	
480-231732-12	STP-3 S	Total/NA	Solid	Moisture	
480-231732-13	STP-3 W	Total/NA	Solid	Moisture	
480-231732-14	STP-3 E	Total/NA	Solid	Moisture	
480-231732-15	STP-4 N	Total/NA	Solid	Moisture	
480-231732-16	STP-4 S	Total/NA	Solid	Moisture	
480-231732-17	STP-4 W	Total/NA	Solid	Moisture	
480-231732-18	STP-4 E	Total/NA	Solid	Moisture	

Prep Batch: 754371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	9012B	
480-231732-2	RI-BH-16	Total/NA	Solid	9012B	
480-231732-3	STP-1 N	Total/NA	Solid	9012B	
480-231732-4	STP-1 S	Total/NA	Solid	9012B	
480-231732-5	STP-1 W	Total/NA	Solid	9012B	
480-231732-6	STP-1 E	Total/NA	Solid	9012B	
480-231732-7	STP-2 N	Total/NA	Solid	9012B	
480-231732-8	STP-2 S	Total/NA	Solid	9012B	
480-231732-9	STP-2 W	Total/NA	Solid	9012B	
480-231732-10	STP-2 E	Total/NA	Solid	9012B	
480-231732-11	STP-3 N	Total/NA	Solid	9012B	
480-231732-12	STP-3 S	Total/NA	Solid	9012B	
480-231732-13	STP-3 W	Total/NA	Solid	9012B	
480-231732-14	STP-3 E	Total/NA	Solid	9012B	
MB 480-754371/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-754371/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-754371/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-754371/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-231732-1 MS	RI-BH-5	Total/NA	Solid	9012B	
480-231732-14 MS	STP-3 E	Total/NA	Solid	9012B	
480-231732-1 DU	RI-BH-5	Total/NA	Solid	9012B	

Analysis Batch: 754436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-1	RI-BH-5	Total/NA	Solid	9012B	754371
480-231732-2	RI-BH-16	Total/NA	Solid	9012B	754371
480-231732-3	STP-1 N	Total/NA	Solid	9012B	754371
480-231732-4	STP-1 S	Total/NA	Solid	9012B	754371
480-231732-5	STP-1 W	Total/NA	Solid	9012B	754371
480-231732-6	STP-1 E	Total/NA	Solid	9012B	754371
480-231732-7	STP-2 N	Total/NA	Solid	9012B	754371
480-231732-8	STP-2 S	Total/NA	Solid	9012B	754371
480-231732-9	STP-2 W	Total/NA	Solid	9012B	754371
480-231732-10	STP-2 E	Total/NA	Solid	9012B	754371
480-231732-11	STP-3 N	Total/NA	Solid	9012B	754371
480-231732-12	STP-3 S	Total/NA	Solid	9012B	754371
480-231732-13	STP-3 W	Total/NA	Solid	9012B	754371
480-231732-14	STP-3 E	Total/NA	Solid	9012B	754371

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

General Chemistry (Continued)

Analysis Batch: 754436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-754371/1-A	Method Blank	Total/NA	Solid	9012B	754371
LCS 480-754371/3-A	Lab Control Sample	Total/NA	Solid	9012B	754371
LCS 480-754371/4-A	Lab Control Sample	Total/NA	Solid	9012B	754371
LCSSRM 480-754371/2-A	Lab Control Sample	Total/NA	Solid	9012B	754371
480-231732-1 MS	RI-BH-5	Total/NA	Solid	9012B	754371
480-231732-14 MS	STP-3 E	Total/NA	Solid	9012B	754371
480-231732-1 DU	RI-BH-5	Total/NA	Solid	9012B	754371

Prep Batch: 754524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-15	STP-4 N	Total/NA	Solid	9012B	754524
480-231732-16	STP-4 S	Total/NA	Solid	9012B	754524
480-231732-17	STP-4 W	Total/NA	Solid	9012B	754524
480-231732-18	STP-4 E	Total/NA	Solid	9012B	754524
MB 480-754524/1-A	Method Blank	Total/NA	Solid	9012B	754524
LCS 480-754524/3-A	Lab Control Sample	Total/NA	Solid	9012B	754524
LCS 480-754524/4-A	Lab Control Sample	Total/NA	Solid	9012B	754524
LCSSRM 480-754524/2-A	Lab Control Sample	Total/NA	Solid	9012B	754524

Analysis Batch: 754526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231732-15	STP-4 N	Total/NA	Solid	9012B	754524
480-231732-16	STP-4 S	Total/NA	Solid	9012B	754524
480-231732-17	STP-4 W	Total/NA	Solid	9012B	754524
480-231732-18	STP-4 E	Total/NA	Solid	9012B	754524
MB 480-754524/1-A	Method Blank	Total/NA	Solid	9012B	754524
LCS 480-754524/3-A	Lab Control Sample	Total/NA	Solid	9012B	754524
LCS 480-754524/4-A	Lab Control Sample	Total/NA	Solid	9012B	754524
LCSSRM 480-754524/2-A	Lab Control Sample	Total/NA	Solid	9012B	754524

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: RI-BH-5

Lab Sample ID: 480-231732-1

Date Collected: 08/11/25 10:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754107	CDC	EET BUF	08/12/25 18:51
Total/NA	Analysis	8260C		1	754108	LCH	EET BUF	08/13/25 02:40
Total/NA	Prep	3546			754064	LSC	EET BUF	08/12/25 13:36
Total/NA	Analysis	8270D		1	754153	JMM	EET BUF	08/13/25 14:38
Total/NA	Prep	3546			754128	SMP	EET BUF	08/13/25 06:43
Total/NA	Analysis	8081B		1	754251	JLS	EET BUF	08/14/25 10:59
Total/NA	Prep	3550C			754065	LSC	EET BUF	08/12/25 13:40
Total/NA	Analysis	8082A		1	754124	MAN	EET BUF	08/13/25 12:06
Total/NA	Prep	1633 Shake			685618	MSH2	ELLE	08/14/25 15:06
Total/NA	Analysis	1633		1	686777	XBL5	ELLE	08/19/25 01:24
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:30
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 15:56
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:15

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754107	CDC	EET BUF	08/12/25 18:51
Total/NA	Analysis	8260C		1	754108	LCH	EET BUF	08/13/25 03:04
Total/NA	Prep	3546			754064	LSC	EET BUF	08/12/25 13:36
Total/NA	Analysis	8270D		1	754153	JMM	EET BUF	08/13/25 15:05
Total/NA	Prep	3546			754128	SMP	EET BUF	08/13/25 06:43
Total/NA	Analysis	8081B		1	754251	JLS	EET BUF	08/14/25 10:40
Total/NA	Prep	3550C			754065	LSC	EET BUF	08/12/25 13:40
Total/NA	Analysis	8082A		1	754124	MAN	EET BUF	08/13/25 12:24

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: RI-BH-16

Lab Sample ID: 480-231732-2

Date Collected: 08/11/25 10:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 71.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			685618	MSH2	ELLE	08/14/25 15:06
Total/NA	Analysis	1633		1	686777	XBL5	ELLE	08/19/25 01:37
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:39
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:01
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:18

Client Sample ID: STP-1 N

Lab Sample ID: 480-231732-3

Date Collected: 08/11/25 11:00

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-1 N

Lab Sample ID: 480-231732-3

Date Collected: 08/11/25 11:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:41
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		5	754480	MP	EET BUF	08/15/25 11:55
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:02
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:18

Client Sample ID: STP-1 S

Lab Sample ID: 480-231732-4

Date Collected: 08/11/25 11:05

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-1 S

Lab Sample ID: 480-231732-4

Date Collected: 08/11/25 11:05

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:52
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:03

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-1 S

Date Collected: 08/11/25 11:05

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-4

Matrix: Solid

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:19

Client Sample ID: STP-1 W

Date Collected: 08/11/25 11:10

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-1 W

Date Collected: 08/11/25 11:10

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-5

Matrix: Solid

Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:54
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:05
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:22

Client Sample ID: STP-1 E

Date Collected: 08/11/25 11:15

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-1 E

Date Collected: 08/11/25 11:15

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-6

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:56
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		5	754480	MP	EET BUF	08/15/25 11:57
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:09
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:22

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 N

Date Collected: 08/11/25 11:30

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-2 N

Date Collected: 08/11/25 11:30

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-7

Matrix: Solid

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 15:58
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:10
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:23

Client Sample ID: STP-2 S

Date Collected: 08/11/25 11:45

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-2 S

Date Collected: 08/11/25 11:45

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-8

Matrix: Solid

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:00
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:11
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:23

Client Sample ID: STP-2 W

Date Collected: 08/11/25 12:00

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-2 W

Lab Sample ID: 480-231732-9

Date Collected: 08/11/25 12:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:02
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:13
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:23

Client Sample ID: STP-2 E

Lab Sample ID: 480-231732-10

Date Collected: 08/11/25 12:15

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-2 E

Lab Sample ID: 480-231732-10

Date Collected: 08/11/25 12:15

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:04
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:14
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:26

Client Sample ID: STP-3 N

Lab Sample ID: 480-231732-11

Date Collected: 08/11/25 12:30

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-3 N

Lab Sample ID: 480-231732-11

Date Collected: 08/11/25 12:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:06
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:15
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:26

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 S

Date Collected: 08/11/25 13:00

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-3 S

Date Collected: 08/11/25 13:00

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-12

Matrix: Solid

Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:07
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:17
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:27

Client Sample ID: STP-3 W

Date Collected: 08/11/25 13:05

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-3 W

Date Collected: 08/11/25 13:05

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-13

Matrix: Solid

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:17
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:18
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:27

Client Sample ID: STP-3 E

Date Collected: 08/11/25 13:10

Date Received: 08/11/25 16:30

Lab Sample ID: 480-231732-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-3 E

Lab Sample ID: 480-231732-14

Date Collected: 08/11/25 13:10

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:19
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:19
Total/NA	Prep	9012B			754371	AM	EET BUF	08/14/25 12:30
Total/NA	Analysis	9012B		1	754436	AM	EET BUF	08/14/25 18:30

Client Sample ID: STP-4 N

Lab Sample ID: 480-231732-15

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-4 N

Lab Sample ID: 480-231732-15

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:21
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		10	754480	MP	EET BUF	08/15/25 11:59
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:21
Total/NA	Prep	9012B			754524	AM	EET BUF	08/15/25 13:45
Total/NA	Analysis	9012B		1	754526	AM	EET BUF	08/16/25 11:32

Client Sample ID: STP-4 S

Lab Sample ID: 480-231732-16

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-4 S

Lab Sample ID: 480-231732-16

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:23
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		5	754480	MP	EET BUF	08/15/25 12:01
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		5	754237	ESB	EET BUF	08/13/25 16:45

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Client Sample ID: STP-4 S

Lab Sample ID: 480-231732-16

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			754524	AM	EET BUF	08/15/25 13:45
Total/NA	Analysis	9012B		1	754526	AM	EET BUF	08/16/25 11:32

Client Sample ID: STP-4 W

Lab Sample ID: 480-231732-17

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-4 W

Lab Sample ID: 480-231732-17

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:25
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		5	754480	MP	EET BUF	08/15/25 12:03
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		1	754237	ESB	EET BUF	08/13/25 16:26
Total/NA	Prep	9012B			754524	AM	EET BUF	08/15/25 13:45
Total/NA	Analysis	9012B		1	754526	AM	EET BUF	08/16/25 11:34

Client Sample ID: STP-4 E

Lab Sample ID: 480-231732-18

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/11/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754071	MAN	EET BUF	08/12/25 14:23

Client Sample ID: STP-4 E

Lab Sample ID: 480-231732-18

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/11/25 16:30

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		1	754407	MP	EET BUF	08/14/25 16:27
Total/NA	Prep	3050B			754186	EMO	EET BUF	08/14/25 08:13
Total/NA	Analysis	6010D		5	754480	MP	EET BUF	08/15/25 12:05
Total/NA	Prep	7471B			754152	ESB	EET BUF	08/13/25 11:22
Total/NA	Analysis	7471B		5	754237	ESB	EET BUF	08/13/25 16:47
Total/NA	Prep	9012B			754524	AM	EET BUF	08/15/25 13:45
Total/NA	Analysis	9012B		1	754526	AM	EET BUF	08/16/25 11:36

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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
1633	1633 Shake	Solid	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
1633	1633 Shake	Solid	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
1633	1633 Shake	Solid	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633 Shake	Solid	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633 Shake	Solid	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
1633	1633 Shake	Solid	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
1633	1633 Shake	Solid	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633 Shake	Solid	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633 Shake	Solid	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633 Shake	Solid	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
1633	1633 Shake	Solid	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
1633	1633 Shake	Solid	Perfluoro-3-methoxypropanoic acid (PFMPA)
1633	1633 Shake	Solid	Perfluoro-4-methoxybutanoic acid (PFMBA)
1633	1633 Shake	Solid	Perfluorobutanesulfonic acid (PFBS)
1633	1633 Shake	Solid	Perfluorodecanesulfonic acid (PFDS)
1633	1633 Shake	Solid	Perfluorododecanesulfonic acid (PFDoS)
1633	1633 Shake	Solid	Perfluoroheptanesulfonic acid (PFHpS)

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
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
1633	1633 Shake	Solid	Perfluorohexanesulfonic acid (PFHxS)
1633	1633 Shake	Solid	Perfluorononanesulfonic acid (PFNS)
1633	1633 Shake	Solid	Perfluorooctanesulfonamide (PFOSA)
1633	1633 Shake	Solid	Perfluoropentanesulfonic acid (PFPeS)

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	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
9012B	Cyanide, Total and/or Amenable, Distillation	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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231732-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231732-1	RI-BH-5	Solid	08/11/25 10:00	08/11/25 16:30	New York
480-231732-2	RI-BH-16	Solid	08/11/25 10:30	08/11/25 16:30	New York
480-231732-3	STP-1 N	Solid	08/11/25 11:00	08/11/25 16:30	New York
480-231732-4	STP-1 S	Solid	08/11/25 11:05	08/11/25 16:30	New York
480-231732-5	STP-1 W	Solid	08/11/25 11:10	08/11/25 16:30	New York
480-231732-6	STP-1 E	Solid	08/11/25 11:15	08/11/25 16:30	New York
480-231732-7	STP-2 N	Solid	08/11/25 11:30	08/11/25 16:30	New York
480-231732-8	STP-2 S	Solid	08/11/25 11:45	08/11/25 16:30	New York
480-231732-9	STP-2 W	Solid	08/11/25 12:00	08/11/25 16:30	New York
480-231732-10	STP-2 E	Solid	08/11/25 12:15	08/11/25 16:30	New York
480-231732-11	STP-3 N	Solid	08/11/25 12:30	08/11/25 16:30	New York
480-231732-12	STP-3 S	Solid	08/11/25 13:00	08/11/25 16:30	New York
480-231732-13	STP-3 W	Solid	08/11/25 13:05	08/11/25 16:30	New York
480-231732-14	STP-3 E	Solid	08/11/25 13:10	08/11/25 16:30	New York
480-231732-15	STP-4 N	Solid	08/11/25 13:30	08/11/25 16:30	New York
480-231732-16	STP-4 S	Solid	08/11/25 13:40	08/11/25 16:30	New York
480-231732-17	STP-4 W	Solid	08/11/25 13:50	08/11/25 16:30	New York
480-231732-18	STP-4 E	Solid	08/11/25 14:00	08/11/25 16:30	New York

Chain of Custody Record

Client Information			Company			Lab PM			Carrier Tracking Not(s)			COC No.		
Client Contact:			Company:			Beninati, John			Rochester			480-206920-41956.1		
Paul Staub			PWSID:			E-Mail:			State of Origin:			Page 1 of 1		
Address:			Due Date Requested:			Analysis Requested			Job #:			Preservation Codes:		
960 Busti Ave Suite B-150			TAT Requested (days):			Field Filtered Sample (Yes or No)			1539 Final - List of 40 based on EPA method			N - None		
City:			Compliance Project:			Perform MS/MSD (Yes or No)			6010D, 7471B, 9012B			A - HCL		
Buffalo			Purchase Order not required			Matrix			8270D - TCL SVOCs + TICs			Other:		
State, Zip:			PO #:			Sample Type			8260C - TCL VOCs + TICs					
NY, 14213			WO #:			(C=comp, G=grab)			8082A, 8270D					
Phone:			Project #:			Sample Time			6010D, 7471B, 9012B					
716-869-1564(Tel)			48028797			Sample Date			1539 Final - List of 40 based on EPA method					
Email:			SSOWN#			Sample Date			1539 Final - List of 40 based on EPA method					
pstaub@be3corp.com						Sample Time			1539 Final - List of 40 based on EPA method					
Project Name:						Sample Date			1539 Final - List of 40 based on EPA method					
2nd & Washington Street						Sample Time			1539 Final - List of 40 based on EPA method					
Site:						Sample Date			1539 Final - List of 40 based on EPA method					
						Sample Time			1539 Final - List of 40 based on EPA method					
						Sample Date			1539 Final - List of 40 based on EPA method					
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						Sample Date			1539 Final - List of 40 based on EPA method</					

8/19/2025

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231732-1

Login Number: 231732

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	1.3,1.7 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	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231732-1

Login Number: 231732

List Number: 2

Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 08/13/25 10:58 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Staub
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

Generated 6/17/2025 5:42:23 PM

JOB DESCRIPTION

2nd & Washington, Dunkirk, NY

JOB NUMBER

200-78311-1

Eurofins Burlington

Job Notes

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

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

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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

Case Narrative

Client: Brydges Engineering in Environment & Energy DPC
Project: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Job ID: 200-78311-1

Eurofins Burlington

Job Narrative 200-78311-1

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 6/10/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition.

Receipt Exceptions

During the canister pressure check performed upon receipt, the following sample was found to be received at ambient pressure: RIVP8-34001322 (200-78311-8). The associated flow controller was evaluated and was found to be outside the acceptable flow range as compared to the original set flow rate. No significant effect on data is expected.

During the canister pressure check performed upon receipt, it was observed that the following samples were received at an elevated residual vacuum level: RIVP2-5426 (200-78311-2), RIVP4-2911 (200-78311-4), RIVP6-34000211 (200-78311-6) and RIVP7-3609 (200-78311-7). The associated flow controllers were evaluated upon receipt and were found to be within the acceptable flow range as compared to the original set flow rate. No significant effect on data is expected.

Air - GC/MS VOA

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: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	730		120	73	ug/m3	98.9		TO-15	Total/NA
1,3-Butadiene	12	J	44	8.8	ug/m3	98.9		TO-15	Total/NA
Acetone	53000	E	1200	450	ug/m3	98.9		TO-15	Total/NA
Isopropyl alcohol	1400		1200	530	ug/m3	98.9		TO-15	Total/NA
n-Hexane	2100		170	56	ug/m3	98.9		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	7400		150	41	ug/m3	98.9		TO-15	Total/NA
Cyclohexane	260		68	18	ug/m3	98.9		TO-15	Total/NA
2,2,4-Trimethylpentane	35	J	92	33	ug/m3	98.9		TO-15	Total/NA
n-Heptane	920		81	35	ug/m3	98.9		TO-15	Total/NA
Toluene	68	J	75	20	ug/m3	98.9		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	410		200	81	ug/m3	98.9		TO-15	Total/NA
Ethylbenzene	23	J	86	22	ug/m3	98.9		TO-15	Total/NA
m,p-Xylene	40	J	210	6.0	ug/m3	98.9		TO-15	Total/NA
n-Butane - DL	870	J D	1200	740	ug/m3	1010		TO-15	Total/NA
Acetone - DL	57000	D	12000	4600	ug/m3	1010		TO-15	Total/NA
n-Hexane - DL	2200	D	1800	570	ug/m3	1010		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	6200	D	1500	420	ug/m3	1010		TO-15	Total/NA
Cyclohexane - DL	260	J D	700	180	ug/m3	1010		TO-15	Total/NA
n-Heptane - DL	920	D	830	360	ug/m3	1010		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	310		49	31	ppb v/v	98.9		TO-15	Total/NA
1,3-Butadiene	5.3	J	20	4.0	ppb v/v	98.9		TO-15	Total/NA
Acetone	22000	E	490	190	ppb v/v	98.9		TO-15	Total/NA
Isopropyl alcohol	550		490	220	ppb v/v	98.9		TO-15	Total/NA
n-Hexane	610		49	16	ppb v/v	98.9		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2500		49	14	ppb v/v	98.9		TO-15	Total/NA
Cyclohexane	77		20	5.1	ppb v/v	98.9		TO-15	Total/NA
2,2,4-Trimethylpentane	7.5	J	20	7.0	ppb v/v	98.9		TO-15	Total/NA
n-Heptane	220		20	8.5	ppb v/v	98.9		TO-15	Total/NA
Toluene	18	J	20	5.3	ppb v/v	98.9		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	100		49	20	ppb v/v	98.9		TO-15	Total/NA
Ethylbenzene	5.4	J	20	5.0	ppb v/v	98.9		TO-15	Total/NA
m,p-Xylene	9.2	J	49	1.4	ppb v/v	98.9		TO-15	Total/NA
n-Butane - DL	370	J D	510	310	ppb v/v	1010		TO-15	Total/NA
Acetone - DL	24000	D	5100	1900	ppb v/v	1010		TO-15	Total/NA
n-Hexane - DL	630	D	510	160	ppb v/v	1010		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	2100	D	510	140	ppb v/v	1010		TO-15	Total/NA
Cyclohexane - DL	76	J D	200	53	ppb v/v	1010		TO-15	Total/NA
n-Heptane - DL	220	D	200	87	ppb v/v	1010		TO-15	Total/NA

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	150		36	22	ug/m3	30		TO-15	Total/NA
1,3-Butadiene	4.8	J	13	2.7	ug/m3	30		TO-15	Total/NA
Acetone	9200	E	360	140	ug/m3	30		TO-15	Total/NA
n-Hexane	190		53	17	ug/m3	30		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	17000	E	44	12	ug/m3	30		TO-15	Total/NA
Cyclohexane	55		21	5.4	ug/m3	30		TO-15	Total/NA
Benzene	5.1	J	19	4.9	ug/m3	30		TO-15	Total/NA
n-Heptane	100		25	11	ug/m3	30		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426 (Continued)

Lab Sample ID: 200-78311-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	8.0	J	23	6.1	ug/m3	30		TO-15	Total/NA
Tetrachloroethene	21	J	41	7.3	ug/m3	30		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	450		61	25	ug/m3	30		TO-15	Total/NA
m,p-Xylene	6.2	J	65	1.8	ug/m3	30		TO-15	Total/NA
n-Butane - DL	150	J D	180	110	ug/m3	154		TO-15	Total/NA
Acetone - DL	9300	D	1800	700	ug/m3	154		TO-15	Total/NA
n-Hexane - DL	170	J D	270	87	ug/m3	154		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	17000	D	230	64	ug/m3	154		TO-15	Total/NA
Cyclohexane - DL	54	J D	110	28	ug/m3	154		TO-15	Total/NA
n-Heptane - DL	95	J D	130	54	ug/m3	154		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	340	D	320	130	ug/m3	154		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	61		15	9.3	ppb v/v	30		TO-15	Total/NA
1,3-Butadiene	2.2	J	6.0	1.2	ppb v/v	30		TO-15	Total/NA
Acetone	3900	E	150	57	ppb v/v	30		TO-15	Total/NA
n-Hexane	54		15	4.8	ppb v/v	30		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	5900	E	15	4.2	ppb v/v	30		TO-15	Total/NA
Cyclohexane	16		6.0	1.6	ppb v/v	30		TO-15	Total/NA
Benzene	1.6	J	6.0	1.5	ppb v/v	30		TO-15	Total/NA
n-Heptane	25		6.0	2.6	ppb v/v	30		TO-15	Total/NA
Toluene	2.1	J	6.0	1.6	ppb v/v	30		TO-15	Total/NA
Tetrachloroethene	3.1	J	6.0	1.1	ppb v/v	30		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	110		15	6.0	ppb v/v	30		TO-15	Total/NA
m,p-Xylene	1.4	J	15	0.42	ppb v/v	30		TO-15	Total/NA
n-Butane - DL	62	J D	77	48	ppb v/v	154		TO-15	Total/NA
Acetone - DL	3900	D	770	290	ppb v/v	154		TO-15	Total/NA
n-Hexane - DL	48	J D	77	25	ppb v/v	154		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	5700	D	77	22	ppb v/v	154		TO-15	Total/NA
Cyclohexane - DL	16	J D	31	8.0	ppb v/v	154		TO-15	Total/NA
n-Heptane - DL	23	J D	31	13	ppb v/v	154		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	82	D	77	31	ppb v/v	154		TO-15	Total/NA

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	2700	E	24	15	ug/m3	20.1		TO-15	Total/NA
1,3-Butadiene	2.7	J	8.9	1.8	ug/m3	20.1		TO-15	Total/NA
Acetone	7400	E	240	91	ug/m3	20.1		TO-15	Total/NA
Carbon disulfide	53		31	11	ug/m3	20.1		TO-15	Total/NA
n-Hexane	1500		35	11	ug/m3	20.1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	540		30	8.3	ug/m3	20.1		TO-15	Total/NA
Cyclohexane	45		14	3.6	ug/m3	20.1		TO-15	Total/NA
2,2,4-Trimethylpentane	14	J	19	6.7	ug/m3	20.1		TO-15	Total/NA
Benzene	3.4	J	13	3.3	ug/m3	20.1		TO-15	Total/NA
n-Heptane	500		16	7.1	ug/m3	20.1		TO-15	Total/NA
Trichloroethene	3.4	J	4.0	3.1	ug/m3	20.1		TO-15	Total/NA
Toluene	63		15	4.1	ug/m3	20.1		TO-15	Total/NA
Tetrachloroethene	9.3	J	27	4.9	ug/m3	20.1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	49		41	16	ug/m3	20.1		TO-15	Total/NA
Ethylbenzene	26		17	4.5	ug/m3	20.1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381 (Continued)

Lab Sample ID: 200-78311-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	48		44	1.2	ug/m3	20.1		TO-15	Total/NA
o-Xylene	21		17	6.0	ug/m3	20.1		TO-15	Total/NA
Cumene	13	J	20	7.1	ug/m3	20.1		TO-15	Total/NA
n-Butane - DL	2700	D	130	79	ug/m3	107		TO-15	Total/NA
Acetone - DL	7400	D	1300	480	ug/m3	107		TO-15	Total/NA
n-Hexane - DL	1500	D	190	60	ug/m3	107		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	460	D	160	44	ug/m3	107		TO-15	Total/NA
Cyclohexane - DL	42	J D	74	19	ug/m3	107		TO-15	Total/NA
n-Heptane - DL	450	D	88	38	ug/m3	107		TO-15	Total/NA
Toluene - DL	58	J D	81	22	ug/m3	107		TO-15	Total/NA
Ethylbenzene - DL	24	J D	93	24	ug/m3	107		TO-15	Total/NA
m,p-Xylene - DL	43	J D	230	6.5	ug/m3	107		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	1100	E	10	6.2	ppb v/v	20.1		TO-15	Total/NA
1,3-Butadiene	1.2	J	4.0	0.80	ppb v/v	20.1		TO-15	Total/NA
Acetone	3100	E	100	38	ppb v/v	20.1		TO-15	Total/NA
Carbon disulfide	17		10	3.6	ppb v/v	20.1		TO-15	Total/NA
n-Hexane	440		10	3.2	ppb v/v	20.1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	180		10	2.8	ppb v/v	20.1		TO-15	Total/NA
Cyclohexane	13		4.0	1.0	ppb v/v	20.1		TO-15	Total/NA
2,2,4-Trimethylpentane	2.9	J	4.0	1.4	ppb v/v	20.1		TO-15	Total/NA
Benzene	1.1	J	4.0	1.0	ppb v/v	20.1		TO-15	Total/NA
n-Heptane	120		4.0	1.7	ppb v/v	20.1		TO-15	Total/NA
Trichloroethene	0.63	J	0.75	0.58	ppb v/v	20.1		TO-15	Total/NA
Toluene	17		4.0	1.1	ppb v/v	20.1		TO-15	Total/NA
Tetrachloroethene	1.4	J	4.0	0.72	ppb v/v	20.1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	12		10	4.0	ppb v/v	20.1		TO-15	Total/NA
Ethylbenzene	6.0		4.0	1.0	ppb v/v	20.1		TO-15	Total/NA
m,p-Xylene	11		10	0.28	ppb v/v	20.1		TO-15	Total/NA
o-Xylene	4.9		4.0	1.4	ppb v/v	20.1		TO-15	Total/NA
Cumene	2.7	J	4.0	1.4	ppb v/v	20.1		TO-15	Total/NA
n-Butane - DL	1100	D	54	33	ppb v/v	107		TO-15	Total/NA
Acetone - DL	3100	D	540	200	ppb v/v	107		TO-15	Total/NA
n-Hexane - DL	410	D	54	17	ppb v/v	107		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	150	D	54	15	ppb v/v	107		TO-15	Total/NA
Cyclohexane - DL	12	J D	21	5.6	ppb v/v	107		TO-15	Total/NA
n-Heptane - DL	110	D	21	9.2	ppb v/v	107		TO-15	Total/NA
Toluene - DL	15	J D	21	5.8	ppb v/v	107		TO-15	Total/NA
Ethylbenzene - DL	5.4	J D	21	5.5	ppb v/v	107		TO-15	Total/NA
m,p-Xylene - DL	10	J D	54	1.5	ppb v/v	107		TO-15	Total/NA

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	430		30	19	ug/m3	25.2		TO-15	Total/NA
1,3-Butadiene	4.0	J	11	2.2	ug/m3	25.2		TO-15	Total/NA
Acetone	18000	E	300	110	ug/m3	25.2		TO-15	Total/NA
Isopropyl alcohol	460		310	140	ug/m3	25.2		TO-15	Total/NA
tert-Butyl alcohol	120	J	380	120	ug/m3	25.2		TO-15	Total/NA
n-Hexane	150		44	14	ug/m3	25.2		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	780		37	10	ug/m3	25.2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911 (Continued)

Lab Sample ID: 200-78311-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	35		17	4.5	ug/m3	25.2		TO-15	Total/NA
2,2,4-Trimethylpentane	11	J	24	8.4	ug/m3	25.2		TO-15	Total/NA
n-Heptane	54		21	8.9	ug/m3	25.2		TO-15	Total/NA
Toluene	29		19	5.1	ug/m3	25.2		TO-15	Total/NA
Tetrachloroethene	97		34	6.2	ug/m3	25.2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	42	J	52	21	ug/m3	25.2		TO-15	Total/NA
Ethylbenzene	15	J	22	5.6	ug/m3	25.2		TO-15	Total/NA
m,p-Xylene	44	J	55	1.5	ug/m3	25.2		TO-15	Total/NA
o-Xylene	13	J	22	7.6	ug/m3	25.2		TO-15	Total/NA
n-Butane - DL	420	D	310	190	ug/m3	257		TO-15	Total/NA
Acetone - DL	14000	D	3100	1200	ug/m3	257		TO-15	Total/NA
n-Hexane - DL	140	J D	450	140	ug/m3	257		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	410	D	380	110	ug/m3	257		TO-15	Total/NA
Tetrachloroethene - DL	93	J D	350	63	ug/m3	257		TO-15	Total/NA
m,p-Xylene - DL	37	J D	560	16	ug/m3	257		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	180		13	7.8	ppb v/v	25.2		TO-15	Total/NA
1,3-Butadiene	1.8	J	5.0	1.0	ppb v/v	25.2		TO-15	Total/NA
Acetone	7400	E	130	48	ppb v/v	25.2		TO-15	Total/NA
Isopropyl alcohol	190		130	55	ppb v/v	25.2		TO-15	Total/NA
tert-Butyl alcohol	41	J	130	40	ppb v/v	25.2		TO-15	Total/NA
n-Hexane	44		13	4.0	ppb v/v	25.2		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	270		13	3.5	ppb v/v	25.2		TO-15	Total/NA
Cyclohexane	10		5.0	1.3	ppb v/v	25.2		TO-15	Total/NA
2,2,4-Trimethylpentane	2.3	J	5.0	1.8	ppb v/v	25.2		TO-15	Total/NA
n-Heptane	13		5.0	2.2	ppb v/v	25.2		TO-15	Total/NA
Toluene	7.7		5.0	1.4	ppb v/v	25.2		TO-15	Total/NA
Tetrachloroethene	14		5.0	0.91	ppb v/v	25.2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	10	J	13	5.0	ppb v/v	25.2		TO-15	Total/NA
Ethylbenzene	3.3	J	5.0	1.3	ppb v/v	25.2		TO-15	Total/NA
m,p-Xylene	10	J	13	0.35	ppb v/v	25.2		TO-15	Total/NA
o-Xylene	2.9	J	5.0	1.7	ppb v/v	25.2		TO-15	Total/NA
n-Butane - DL	180	D	130	80	ppb v/v	257		TO-15	Total/NA
Acetone - DL	6000	D	1300	490	ppb v/v	257		TO-15	Total/NA
n-Hexane - DL	39	J D	130	41	ppb v/v	257		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	140	D	130	36	ppb v/v	257		TO-15	Total/NA
Tetrachloroethene - DL	14	J D	51	9.3	ppb v/v	257		TO-15	Total/NA
m,p-Xylene - DL	8.6	J D	130	3.6	ppb v/v	257		TO-15	Total/NA

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	1100		18	11	ug/m3	15.08		TO-15	Total/NA
1,3-Butadiene	1.9	J	6.7	1.3	ug/m3	15.08		TO-15	Total/NA
Acetone	5300	E	180	68	ug/m3	15.08		TO-15	Total/NA
Isopropyl alcohol	98	J	190	82	ug/m3	15.08		TO-15	Total/NA
Carbon disulfide	160		23	8.5	ug/m3	15.08		TO-15	Total/NA
n-Hexane	3100	E	27	8.5	ug/m3	15.08		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	280		22	6.2	ug/m3	15.08		TO-15	Total/NA
Cyclohexane	1600		10	2.7	ug/m3	15.08		TO-15	Total/NA
Benzene	4.3	J	9.6	2.5	ug/m3	15.08		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601 (Continued)

Lab Sample ID: 200-78311-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane	3800	E	12	5.3	ug/m3	15.08		TO-15	Total/NA
Trichloroethene	4.7		3.0	2.4	ug/m3	15.08		TO-15	Total/NA
Toluene	68		11	3.1	ug/m3	15.08		TO-15	Total/NA
Tetrachloroethene	10	J	20	3.7	ug/m3	15.08		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	72		31	12	ug/m3	15.08		TO-15	Total/NA
Ethylbenzene	42		13	3.3	ug/m3	15.08		TO-15	Total/NA
m,p-Xylene	100		33	0.92	ug/m3	15.08		TO-15	Total/NA
o-Xylene	50		13	4.5	ug/m3	15.08		TO-15	Total/NA
Cumene	12	J	15	5.3	ug/m3	15.08		TO-15	Total/NA
n-Propylbenzene	30		15	4.6	ug/m3	15.08		TO-15	Total/NA
4-Ethyltoluene	35		15	5.0	ug/m3	15.08		TO-15	Total/NA
1,3,5-Trimethylbenzene	30		15	5.0	ug/m3	15.08		TO-15	Total/NA
1,2,4-Trimethylbenzene	110		15	6.1	ug/m3	15.08		TO-15	Total/NA
sec-Butylbenzene	11	J	17	6.0	ug/m3	15.08		TO-15	Total/NA
4-Isopropyltoluene	7.1	J	17	6.5	ug/m3	15.08		TO-15	Total/NA
n-Butylbenzene	13	J	17	5.8	ug/m3	15.08		TO-15	Total/NA
n-Butane - DL	1000	D	100	63	ug/m3	85.1		TO-15	Total/NA
Acetone - DL	5300	D	1000	380	ug/m3	85.1		TO-15	Total/NA
Carbon disulfide - DL	160	D	130	48	ug/m3	85.1		TO-15	Total/NA
n-Hexane - DL	3000	D	150	48	ug/m3	85.1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	260	D	130	35	ug/m3	85.1		TO-15	Total/NA
Cyclohexane - DL	1600	D	59	15	ug/m3	85.1		TO-15	Total/NA
n-Heptane - DL	3600	D	70	30	ug/m3	85.1		TO-15	Total/NA
Toluene - DL	66	D	64	17	ug/m3	85.1		TO-15	Total/NA
Ethylbenzene - DL	40	J D	74	19	ug/m3	85.1		TO-15	Total/NA
m,p-Xylene - DL	93	J D	180	5.2	ug/m3	85.1		TO-15	Total/NA
o-Xylene - DL	44	J D	74	25	ug/m3	85.1		TO-15	Total/NA
4-Ethyltoluene - DL	29	J D	84	28	ug/m3	85.1		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	86	D	84	34	ug/m3	85.1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	440		7.5	4.7	ppb v/v	15.08		TO-15	Total/NA
1,3-Butadiene	0.84	J	3.0	0.60	ppb v/v	15.08		TO-15	Total/NA
Acetone	2200	E	75	29	ppb v/v	15.08		TO-15	Total/NA
Isopropyl alcohol	40	J	75	33	ppb v/v	15.08		TO-15	Total/NA
Carbon disulfide	53		7.5	2.7	ppb v/v	15.08		TO-15	Total/NA
n-Hexane	890	E	7.5	2.4	ppb v/v	15.08		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	96		7.5	2.1	ppb v/v	15.08		TO-15	Total/NA
Cyclohexane	460		3.0	0.78	ppb v/v	15.08		TO-15	Total/NA
Benzene	1.3	J	3.0	0.77	ppb v/v	15.08		TO-15	Total/NA
n-Heptane	920	E	3.0	1.3	ppb v/v	15.08		TO-15	Total/NA
Trichloroethene	0.88		0.56	0.44	ppb v/v	15.08		TO-15	Total/NA
Toluene	18		3.0	0.81	ppb v/v	15.08		TO-15	Total/NA
Tetrachloroethene	1.5	J	3.0	0.54	ppb v/v	15.08		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	18		7.5	3.0	ppb v/v	15.08		TO-15	Total/NA
Ethylbenzene	9.7		3.0	0.77	ppb v/v	15.08		TO-15	Total/NA
m,p-Xylene	23		7.5	0.21	ppb v/v	15.08		TO-15	Total/NA
o-Xylene	12		3.0	1.0	ppb v/v	15.08		TO-15	Total/NA
Cumene	2.5	J	3.0	1.1	ppb v/v	15.08		TO-15	Total/NA
n-Propylbenzene	6.0		3.0	0.93	ppb v/v	15.08		TO-15	Total/NA
4-Ethyltoluene	7.2		3.0	1.0	ppb v/v	15.08		TO-15	Total/NA
1,3,5-Trimethylbenzene	6.0		3.0	1.0	ppb v/v	15.08		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601 (Continued)

Lab Sample ID: 200-78311-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	22		3.0	1.2	ppb v/v	15.08		TO-15	Total/NA
sec-Butylbenzene	1.9	J	3.0	1.1	ppb v/v	15.08		TO-15	Total/NA
4-Isopropyltoluene	1.3	J	3.0	1.2	ppb v/v	15.08		TO-15	Total/NA
n-Butylbenzene	2.4	J	3.0	1.1	ppb v/v	15.08		TO-15	Total/NA
n-Butane - DL	430	D	43	26	ppb v/v	85.1		TO-15	Total/NA
Acetone - DL	2200	D	430	160	ppb v/v	85.1		TO-15	Total/NA
Carbon disulfide - DL	51	D	43	15	ppb v/v	85.1		TO-15	Total/NA
n-Hexane - DL	860	D	43	14	ppb v/v	85.1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	87	D	43	12	ppb v/v	85.1		TO-15	Total/NA
Cyclohexane - DL	460	D	17	4.4	ppb v/v	85.1		TO-15	Total/NA
n-Heptane - DL	880	D	17	7.3	ppb v/v	85.1		TO-15	Total/NA
Toluene - DL	18	D	17	4.6	ppb v/v	85.1		TO-15	Total/NA
Ethylbenzene - DL	9.1	J D	17	4.3	ppb v/v	85.1		TO-15	Total/NA
m,p-Xylene - DL	21	J D	43	1.2	ppb v/v	85.1		TO-15	Total/NA
o-Xylene - DL	10	J D	17	5.9	ppb v/v	85.1		TO-15	Total/NA
4-Ethyltoluene - DL	5.9	J D	17	5.8	ppb v/v	85.1		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	17	D	17	7.0	ppb v/v	85.1		TO-15	Total/NA

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	190		12	7.3	ug/m3	9.93		TO-15	Total/NA
1,3-Butadiene	1.8	J	4.4	0.88	ug/m3	9.93		TO-15	Total/NA
Acetone	3100	E	120	45	ug/m3	9.93		TO-15	Total/NA
Carbon disulfide	56		15	5.6	ug/m3	9.93		TO-15	Total/NA
n-Hexane	2100	E	17	5.6	ug/m3	9.93		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	160		15	4.1	ug/m3	9.93		TO-15	Total/NA
Cyclohexane	660		6.8	1.8	ug/m3	9.93		TO-15	Total/NA
2,2,4-Trimethylpentane	150		9.3	3.3	ug/m3	9.93		TO-15	Total/NA
Benzene	6.1	J	6.3	1.6	ug/m3	9.93		TO-15	Total/NA
n-Heptane	2000	E	8.1	3.5	ug/m3	9.93		TO-15	Total/NA
Trichloroethene	5.5		2.0	1.5	ug/m3	9.93		TO-15	Total/NA
Toluene	63		7.5	2.0	ug/m3	9.93		TO-15	Total/NA
Ethylbenzene	39		8.6	2.2	ug/m3	9.93		TO-15	Total/NA
m,p-Xylene	96		22	0.60	ug/m3	9.93		TO-15	Total/NA
o-Xylene	47		8.6	3.0	ug/m3	9.93		TO-15	Total/NA
Cumene	13		9.8	3.5	ug/m3	9.93		TO-15	Total/NA
n-Propylbenzene	29		9.8	3.0	ug/m3	9.93		TO-15	Total/NA
4-Ethyltoluene	36		9.8	3.3	ug/m3	9.93		TO-15	Total/NA
1,3,5-Trimethylbenzene	30		9.8	3.3	ug/m3	9.93		TO-15	Total/NA
1,2,4-Trimethylbenzene	110		9.8	4.0	ug/m3	9.93		TO-15	Total/NA
sec-Butylbenzene	12		11	3.9	ug/m3	9.93		TO-15	Total/NA
4-Isopropyltoluene	9.1	J	11	4.3	ug/m3	9.93		TO-15	Total/NA
n-Butylbenzene	16		11	3.8	ug/m3	9.93		TO-15	Total/NA
Naphthalene	13	J	20	5.7	ug/m3	9.93		TO-15	Total/NA
n-Butane - DL	200	D	47	29	ug/m3	39.7		TO-15	Total/NA
Acetone - DL	3600	D	470	180	ug/m3	39.7		TO-15	Total/NA
Carbon disulfide - DL	61	J D	62	22	ug/m3	39.7		TO-15	Total/NA
n-Hexane - DL	2400	D	70	22	ug/m3	39.7		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	160	D	59	16	ug/m3	39.7		TO-15	Total/NA
Cyclohexane - DL	720	D	27	7.1	ug/m3	39.7		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211 (Continued)

Lab Sample ID: 200-78311-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	7.0	J D	25	6.5	ug/m3	39.7		TO-15	Total/NA
n-Heptane - DL	2200	D	33	14	ug/m3	39.7		TO-15	Total/NA
Toluene - DL	68	D	30	8.1	ug/m3	39.7		TO-15	Total/NA
Ethylbenzene - DL	42	D	34	8.8	ug/m3	39.7		TO-15	Total/NA
m,p-Xylene - DL	100	D	86	2.4	ug/m3	39.7		TO-15	Total/NA
o-Xylene - DL	48	D	34	12	ug/m3	39.7		TO-15	Total/NA
n-Propylbenzene - DL	30	J D	39	12	ug/m3	39.7		TO-15	Total/NA
4-Ethyltoluene - DL	37	J D	39	13	ug/m3	39.7		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	30	J D	39	13	ug/m3	39.7		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	110	D	39	16	ug/m3	39.7		TO-15	Total/NA
n-Butylbenzene - DL	15	J D	44	15	ug/m3	39.7		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	78		5.0	3.1	ppb v/v	9.93		TO-15	Total/NA
1,3-Butadiene	0.83	J	2.0	0.40	ppb v/v	9.93		TO-15	Total/NA
Acetone	1300	E	50	19	ppb v/v	9.93		TO-15	Total/NA
Carbon disulfide	18		5.0	1.8	ppb v/v	9.93		TO-15	Total/NA
n-Hexane	610	E	5.0	1.6	ppb v/v	9.93		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	54		5.0	1.4	ppb v/v	9.93		TO-15	Total/NA
Cyclohexane	190		2.0	0.52	ppb v/v	9.93		TO-15	Total/NA
2,2,4-Trimethylpentane	33		2.0	0.71	ppb v/v	9.93		TO-15	Total/NA
Benzene	1.9	J	2.0	0.51	ppb v/v	9.93		TO-15	Total/NA
n-Heptane	480	E	2.0	0.85	ppb v/v	9.93		TO-15	Total/NA
Trichloroethene	1.0		0.37	0.29	ppb v/v	9.93		TO-15	Total/NA
Toluene	17		2.0	0.54	ppb v/v	9.93		TO-15	Total/NA
Ethylbenzene	9.1		2.0	0.51	ppb v/v	9.93		TO-15	Total/NA
m,p-Xylene	22		5.0	0.14	ppb v/v	9.93		TO-15	Total/NA
o-Xylene	11		2.0	0.69	ppb v/v	9.93		TO-15	Total/NA
Cumene	2.6		2.0	0.71	ppb v/v	9.93		TO-15	Total/NA
n-Propylbenzene	6.0		2.0	0.62	ppb v/v	9.93		TO-15	Total/NA
4-Ethyltoluene	7.3		2.0	0.68	ppb v/v	9.93		TO-15	Total/NA
1,3,5-Trimethylbenzene	6.1		2.0	0.68	ppb v/v	9.93		TO-15	Total/NA
1,2,4-Trimethylbenzene	21		2.0	0.81	ppb v/v	9.93		TO-15	Total/NA
sec-Butylbenzene	2.2		2.0	0.71	ppb v/v	9.93		TO-15	Total/NA
4-Isopropyltoluene	1.7	J	2.0	0.77	ppb v/v	9.93		TO-15	Total/NA
n-Butylbenzene	3.0		2.0	0.70	ppb v/v	9.93		TO-15	Total/NA
Naphthalene	2.5	J	3.8	1.1	ppb v/v	9.93		TO-15	Total/NA
n-Butane - DL	83	D	20	12	ppb v/v	39.7		TO-15	Total/NA
Acetone - DL	1500	D	200	75	ppb v/v	39.7		TO-15	Total/NA
Carbon disulfide - DL	19	J D	20	7.1	ppb v/v	39.7		TO-15	Total/NA
n-Hexane - DL	680	D	20	6.4	ppb v/v	39.7		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	54	D	20	5.6	ppb v/v	39.7		TO-15	Total/NA
Cyclohexane - DL	210	D	7.9	2.1	ppb v/v	39.7		TO-15	Total/NA
Benzene - DL	2.2	J D	7.9	2.0	ppb v/v	39.7		TO-15	Total/NA
n-Heptane - DL	530	D	7.9	3.4	ppb v/v	39.7		TO-15	Total/NA
Toluene - DL	18	D	7.9	2.1	ppb v/v	39.7		TO-15	Total/NA
Ethylbenzene - DL	9.6	D	7.9	2.0	ppb v/v	39.7		TO-15	Total/NA
m,p-Xylene - DL	23	D	20	0.56	ppb v/v	39.7		TO-15	Total/NA
o-Xylene - DL	11	D	7.9	2.7	ppb v/v	39.7		TO-15	Total/NA
n-Propylbenzene - DL	6.1	J D	7.9	2.5	ppb v/v	39.7		TO-15	Total/NA
4-Ethyltoluene - DL	7.6	J D	7.9	2.7	ppb v/v	39.7		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	6.1	J D	7.9	2.7	ppb v/v	39.7		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211 (Continued)

Lab Sample ID: 200-78311-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene - DL	21	D	7.9	3.3	ppb v/v	39.7		TO-15	Total/NA
n-Butylbenzene - DL	2.8	J D	7.9	2.8	ppb v/v	39.7		TO-15	Total/NA

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	98		24	15	ug/m3	20		TO-15	Total/NA
Acetone	4700	E	240	90	ug/m3	20		TO-15	Total/NA
Carbon disulfide	24	J	31	11	ug/m3	20		TO-15	Total/NA
tert-Butyl alcohol	160	J	300	97	ug/m3	20		TO-15	Total/NA
n-Hexane	58		35	11	ug/m3	20		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	130		29	8.3	ug/m3	20		TO-15	Total/NA
Cyclohexane	890		14	3.6	ug/m3	20		TO-15	Total/NA
2,2,4-Trimethylpentane	28		19	6.6	ug/m3	20		TO-15	Total/NA
Benzene	4.4	J	13	3.3	ug/m3	20		TO-15	Total/NA
n-Heptane	150		16	7.0	ug/m3	20		TO-15	Total/NA
Toluene	27		15	4.1	ug/m3	20		TO-15	Total/NA
Tetrachloroethene	140		27	4.9	ug/m3	20		TO-15	Total/NA
Ethylbenzene	14	J	17	4.4	ug/m3	20		TO-15	Total/NA
m,p-Xylene	28	J	43	1.2	ug/m3	20		TO-15	Total/NA
o-Xylene	14	J	17	6.0	ug/m3	20		TO-15	Total/NA
1,3,5-Trimethylbenzene	8.0	J	20	6.7	ug/m3	20		TO-15	Total/NA
1,2,4-Trimethylbenzene	25		20	8.1	ug/m3	20		TO-15	Total/NA
Naphthalene	14	J	40	12	ug/m3	20		TO-15	Total/NA
n-Butane - DL	420	D	96	59	ug/m3	80.5		TO-15	Total/NA
Acetone - DL	6800	D	960	360	ug/m3	80.5		TO-15	Total/NA
Carbon disulfide - DL	46	J D	130	45	ug/m3	80.5		TO-15	Total/NA
n-Hexane - DL	86	J D	140	45	ug/m3	80.5		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	140	D	120	33	ug/m3	80.5		TO-15	Total/NA
Cyclohexane - DL	1000	D	55	14	ug/m3	80.5		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	35	J D	75	27	ug/m3	80.5		TO-15	Total/NA
n-Heptane - DL	170	D	66	28	ug/m3	80.5		TO-15	Total/NA
Toluene - DL	40	J D	61	16	ug/m3	80.5		TO-15	Total/NA
Tetrachloroethene - DL	140	D	110	20	ug/m3	80.5		TO-15	Total/NA
Ethylbenzene - DL	21	J D	70	18	ug/m3	80.5		TO-15	Total/NA
m,p-Xylene - DL	43	J D	170	4.9	ug/m3	80.5		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	41		10	6.2	ppb v/v	20		TO-15	Total/NA
Acetone	2000	E	100	38	ppb v/v	20		TO-15	Total/NA
Carbon disulfide	7.6	J	10	3.6	ppb v/v	20		TO-15	Total/NA
tert-Butyl alcohol	53	J	100	32	ppb v/v	20		TO-15	Total/NA
n-Hexane	17		10	3.2	ppb v/v	20		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	43		10	2.8	ppb v/v	20		TO-15	Total/NA
Cyclohexane	260		4.0	1.0	ppb v/v	20		TO-15	Total/NA
2,2,4-Trimethylpentane	6.0		4.0	1.4	ppb v/v	20		TO-15	Total/NA
Benzene	1.4	J	4.0	1.0	ppb v/v	20		TO-15	Total/NA
n-Heptane	37		4.0	1.7	ppb v/v	20		TO-15	Total/NA
Toluene	7.1		4.0	1.1	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene	21		4.0	0.72	ppb v/v	20		TO-15	Total/NA
Ethylbenzene	3.2	J	4.0	1.0	ppb v/v	20		TO-15	Total/NA
m,p-Xylene	6.5	J	10	0.28	ppb v/v	20		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609 (Continued)

Lab Sample ID: 200-78311-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	3.2	J	4.0	1.4	ppb v/v	20		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.6	J	4.0	1.4	ppb v/v	20		TO-15	Total/NA
1,2,4-Trimethylbenzene	5.0		4.0	1.6	ppb v/v	20		TO-15	Total/NA
Naphthalene	2.6	J	7.6	2.2	ppb v/v	20		TO-15	Total/NA
n-Butane - DL	180	D	40	25	ppb v/v	80.5		TO-15	Total/NA
Acetone - DL	2900	D	400	150	ppb v/v	80.5		TO-15	Total/NA
Carbon disulfide - DL	15	J D	40	14	ppb v/v	80.5		TO-15	Total/NA
n-Hexane - DL	24	J D	40	13	ppb v/v	80.5		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	48	D	40	11	ppb v/v	80.5		TO-15	Total/NA
Cyclohexane - DL	290	D	16	4.2	ppb v/v	80.5		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	7.5	J D	16	5.7	ppb v/v	80.5		TO-15	Total/NA
n-Heptane - DL	40	D	16	6.9	ppb v/v	80.5		TO-15	Total/NA
Toluene - DL	11	J D	16	4.3	ppb v/v	80.5		TO-15	Total/NA
Tetrachloroethene - DL	21	D	16	2.9	ppb v/v	80.5		TO-15	Total/NA
Ethylbenzene - DL	4.9	J D	16	4.1	ppb v/v	80.5		TO-15	Total/NA
m,p-Xylene - DL	9.9	J D	40	1.1	ppb v/v	80.5		TO-15	Total/NA

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	990	E	12	7.4	ug/m3	10		TO-15	Total/NA
1,3-Butadiene	4.1	J	4.4	0.88	ug/m3	10		TO-15	Total/NA
Acetone	4400	E	120	45	ug/m3	10		TO-15	Total/NA
Carbon disulfide	85		16	5.6	ug/m3	10		TO-15	Total/NA
n-Hexane	130		18	5.6	ug/m3	10		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	130		15	4.1	ug/m3	10		TO-15	Total/NA
Cyclohexane	480		6.9	1.8	ug/m3	10		TO-15	Total/NA
2,2,4-Trimethylpentane	29		9.3	3.3	ug/m3	10		TO-15	Total/NA
Benzene	3.6	J	6.4	1.6	ug/m3	10		TO-15	Total/NA
n-Heptane	44		8.2	3.5	ug/m3	10		TO-15	Total/NA
Toluene	65		7.5	2.0	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	8.3	J	14	2.4	ug/m3	10		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	50		20	8.2	ug/m3	10		TO-15	Total/NA
Ethylbenzene	36		8.7	2.2	ug/m3	10		TO-15	Total/NA
m,p-Xylene	84		22	0.61	ug/m3	10		TO-15	Total/NA
o-Xylene	38		8.7	3.0	ug/m3	10		TO-15	Total/NA
Cumene	8.9	J	9.8	3.5	ug/m3	10		TO-15	Total/NA
n-Propylbenzene	22		9.8	3.0	ug/m3	10		TO-15	Total/NA
4-Ethyltoluene	26		9.8	3.3	ug/m3	10		TO-15	Total/NA
1,3,5-Trimethylbenzene	19		9.8	3.3	ug/m3	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	69		9.8	4.0	ug/m3	10		TO-15	Total/NA
sec-Butylbenzene	7.0	J	11	4.0	ug/m3	10		TO-15	Total/NA
4-Isopropyltoluene	4.8	J	11	4.3	ug/m3	10		TO-15	Total/NA
n-Butylbenzene	9.7	J	11	3.8	ug/m3	10		TO-15	Total/NA
n-Butane - DL	1400	D	120	77	ug/m3	104		TO-15	Total/NA
Acetone - DL	6600	D	1200	470	ug/m3	104		TO-15	Total/NA
Carbon disulfide - DL	95	J D	160	58	ug/m3	104		TO-15	Total/NA
n-Hexane - DL	140	J D	180	59	ug/m3	104		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	130	J D	150	43	ug/m3	104		TO-15	Total/NA
Cyclohexane - DL	530	D	72	19	ug/m3	104		TO-15	Total/NA
n-Heptane - DL	53	J D	85	37	ug/m3	104		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322 (Continued)

Lab Sample ID: 200-78311-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene - DL	69	J D	78	21	ug/m3	104		TO-15	Total/NA
Ethylbenzene - DL	37	J D	90	23	ug/m3	104		TO-15	Total/NA
m,p-Xylene - DL	78	J D	230	6.3	ug/m3	104		TO-15	Total/NA
o-Xylene - DL	33	J D	90	31	ug/m3	104		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	58	J D	100	42	ug/m3	104		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	420	E	5.0	3.1	ppb v/v	10		TO-15	Total/NA
1,3-Butadiene	1.9	J	2.0	0.40	ppb v/v	10		TO-15	Total/NA
Acetone	1900	E	50	19	ppb v/v	10		TO-15	Total/NA
Carbon disulfide	27		5.0	1.8	ppb v/v	10		TO-15	Total/NA
n-Hexane	36		5.0	1.6	ppb v/v	10		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	45		5.0	1.4	ppb v/v	10		TO-15	Total/NA
Cyclohexane	140		2.0	0.52	ppb v/v	10		TO-15	Total/NA
2,2,4-Trimethylpentane	6.2		2.0	0.71	ppb v/v	10		TO-15	Total/NA
Benzene	1.1	J	2.0	0.51	ppb v/v	10		TO-15	Total/NA
n-Heptane	11		2.0	0.86	ppb v/v	10		TO-15	Total/NA
Toluene	17		2.0	0.54	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	1.2	J	2.0	0.36	ppb v/v	10		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	12		5.0	2.0	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	8.2		2.0	0.51	ppb v/v	10		TO-15	Total/NA
m,p-Xylene	19		5.0	0.14	ppb v/v	10		TO-15	Total/NA
o-Xylene	8.8		2.0	0.69	ppb v/v	10		TO-15	Total/NA
Cumene	1.8	J	2.0	0.72	ppb v/v	10		TO-15	Total/NA
n-Propylbenzene	4.4		2.0	0.62	ppb v/v	10		TO-15	Total/NA
4-Ethyltoluene	5.3		2.0	0.68	ppb v/v	10		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.9		2.0	0.68	ppb v/v	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	14		2.0	0.82	ppb v/v	10		TO-15	Total/NA
sec-Butylbenzene	1.3	J	2.0	0.72	ppb v/v	10		TO-15	Total/NA
4-Isopropyltoluene	0.88	J	2.0	0.78	ppb v/v	10		TO-15	Total/NA
n-Butylbenzene	1.8	J	2.0	0.70	ppb v/v	10		TO-15	Total/NA
n-Butane - DL	590	D	52	32	ppb v/v	104		TO-15	Total/NA
Acetone - DL	2800	D	520	200	ppb v/v	104		TO-15	Total/NA
Carbon disulfide - DL	30	J D	52	19	ppb v/v	104		TO-15	Total/NA
n-Hexane - DL	39	J D	52	17	ppb v/v	104		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	44	J D	52	15	ppb v/v	104		TO-15	Total/NA
Cyclohexane - DL	150	D	21	5.4	ppb v/v	104		TO-15	Total/NA
n-Heptane - DL	13	J D	21	8.9	ppb v/v	104		TO-15	Total/NA
Toluene - DL	18	J D	21	5.6	ppb v/v	104		TO-15	Total/NA
Ethylbenzene - DL	8.4	J D	21	5.3	ppb v/v	104		TO-15	Total/NA
m,p-Xylene - DL	18	J D	52	1.5	ppb v/v	104		TO-15	Total/NA
o-Xylene - DL	7.6	J D	21	7.2	ppb v/v	104		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	12	J D	21	8.5	ppb v/v	104		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	240	U	240	110	ug/m3			06/12/25 15:25	98.9
Chlorodifluoromethane	170	U	170	130	ug/m3			06/12/25 15:25	98.9
1,2-Dichlorotetrafluoroethane	140	U	140	53	ug/m3			06/12/25 15:25	98.9
Chloromethane	100	U	100	67	ug/m3			06/12/25 15:25	98.9
n-Butane	730		120	73	ug/m3			06/12/25 15:25	98.9
Vinyl chloride	20	U	20	7.3	ug/m3			06/12/25 15:25	98.9
1,3-Butadiene	12 J		44	8.8	ug/m3			06/12/25 15:25	98.9
Bromomethane	77	U	77	24	ug/m3			06/12/25 15:25	98.9
Chloroethane	130	U	130	42	ug/m3			06/12/25 15:25	98.9
Bromoethene(Vinyl Bromide)	87	U	87	21	ug/m3			06/12/25 15:25	98.9
Trichlorofluoromethane	110	U	110	43	ug/m3			06/12/25 15:25	98.9
1,1,2-Trichlorotrifluoroethane	150	U	150	43	ug/m3			06/12/25 15:25	98.9
1,1-Dichloroethene	20	U	20	14	ug/m3			06/12/25 15:25	98.9
Acetone	53000 E		1200	450	ug/m3			06/12/25 15:25	98.9
Isopropyl alcohol	1400		1200	530	ug/m3			06/12/25 15:25	98.9
Carbon disulfide	150	U	150	55	ug/m3			06/12/25 15:25	98.9
3-Chloropropene	150	U	150	25	ug/m3			06/12/25 15:25	98.9
Methylene Chloride	170	U	170	65	ug/m3			06/12/25 15:25	98.9
tert-Butyl alcohol	1500	U	1500	480	ug/m3			06/12/25 15:25	98.9
Methyl tert-butyl ether	71	U	71	24	ug/m3			06/12/25 15:25	98.9
trans-1,2-Dichloroethene	78	U	78	7.8	ug/m3			06/12/25 15:25	98.9
n-Hexane	2100		170	56	ug/m3			06/12/25 15:25	98.9
1,1-Dichloroethane	80	U	80	7.2	ug/m3			06/12/25 15:25	98.9
Methyl Ethyl Ketone (2-Butanone)	7400		150	41	ug/m3			06/12/25 15:25	98.9
cis-1,2-Dichloroethene	20	U	20	13	ug/m3			06/12/25 15:25	98.9
Chloroform	97	U	97	28	ug/m3			06/12/25 15:25	98.9
Tetrahydrofuran	1500	U	1500	500	ug/m3			06/12/25 15:25	98.9
1,1,1-Trichloroethane	110	U	110	39	ug/m3			06/12/25 15:25	98.9
Cyclohexane	260		68	18	ug/m3			06/12/25 15:25	98.9
Carbon tetrachloride	22	U	22	15	ug/m3			06/12/25 15:25	98.9
2,2,4-Trimethylpentane	35 J		92	33	ug/m3			06/12/25 15:25	98.9
Benzene	63	U	63	16	ug/m3			06/12/25 15:25	98.9
1,2-Dichloroethane	80	U	80	30	ug/m3			06/12/25 15:25	98.9
n-Heptane	920		81	35	ug/m3			06/12/25 15:25	98.9
Trichloroethene	20	U	20	15	ug/m3			06/12/25 15:25	98.9
Methyl methacrylate	200	U	200	53	ug/m3			06/12/25 15:25	98.9
1,2-Dichloropropane	91	U	91	25	ug/m3			06/12/25 15:25	98.9
1,4-Dioxane	1800	U	1800	68	ug/m3			06/12/25 15:25	98.9
Bromodichloromethane	130	U	130	38	ug/m3			06/12/25 15:25	98.9
cis-1,3-Dichloropropene	90	U	90	25	ug/m3			06/12/25 15:25	98.9
4-Methyl-2-pentanone (Methyl isobutyl ketone)	200	U	200	77	ug/m3			06/12/25 15:25	98.9
Toluene	68 J		75	20	ug/m3			06/12/25 15:25	98.9
trans-1,3-Dichloropropene	90	U	90	28	ug/m3			06/12/25 15:25	98.9
1,1,2-Trichloroethane	110	U	110	29	ug/m3			06/12/25 15:25	98.9
Tetrachloroethene	130	U	130	24	ug/m3			06/12/25 15:25	98.9
Methyl Butyl Ketone (2-Hexanone)	410		200	81	ug/m3			06/12/25 15:25	98.9
Dibromochloromethane	170	U	170	45	ug/m3			06/12/25 15:25	98.9
1,2-Dibromoethane	150	U	150	34	ug/m3			06/12/25 15:25	98.9

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	91	U	91	21	ug/m3			06/12/25 15:25	98.9
Ethylbenzene	23	J	86	22	ug/m3			06/12/25 15:25	98.9
m,p-Xylene	40	J	210	6.0	ug/m3			06/12/25 15:25	98.9
o-Xylene	86	U	86	30	ug/m3			06/12/25 15:25	98.9
Styrene	84	U	84	24	ug/m3			06/12/25 15:25	98.9
Bromoform	200	U	200	59	ug/m3			06/12/25 15:25	98.9
Cumene	97	U	97	35	ug/m3			06/12/25 15:25	98.9
1,1,2,2-Tetrachloroethane	140	U	140	41	ug/m3			06/12/25 15:25	98.9
n-Propylbenzene	97	U	97	30	ug/m3			06/12/25 15:25	98.9
4-Ethyltoluene	97	U	97	33	ug/m3			06/12/25 15:25	98.9
1,3,5-Trimethylbenzene	97	U	97	33	ug/m3			06/12/25 15:25	98.9
2-Chlorotoluene	100	U	100	30	ug/m3			06/12/25 15:25	98.9
tert-Butylbenzene	110	U	110	38	ug/m3			06/12/25 15:25	98.9
1,2,4-Trimethylbenzene	97	U	97	40	ug/m3			06/12/25 15:25	98.9
sec-Butylbenzene	110	U	110	39	ug/m3			06/12/25 15:25	98.9
4-Isopropyltoluene	110	U	110	42	ug/m3			06/12/25 15:25	98.9
1,3-Dichlorobenzene	120	U	120	37	ug/m3			06/12/25 15:25	98.9
1,4-Dichlorobenzene	120	U	120	42	ug/m3			06/12/25 15:25	98.9
Benzyl chloride	100	U	100	38	ug/m3			06/12/25 15:25	98.9
n-Butylbenzene	110	U	110	38	ug/m3			06/12/25 15:25	98.9
1,2-Dichlorobenzene	120	U	120	39	ug/m3			06/12/25 15:25	98.9
1,2,4-Trichlorobenzene	370	U	370	220	ug/m3			06/12/25 15:25	98.9
Hexachlorobutadiene	210	U	210	82	ug/m3			06/12/25 15:25	98.9
Naphthalene	200	U	200	57	ug/m3			06/12/25 15:25	98.9
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	49	U	49	22	ppb v/v			06/12/25 15:25	98.9
Chlorodifluoromethane	49	U	49	36	ppb v/v			06/12/25 15:25	98.9
1,2-Dichlorotetrafluoroethane	20	U	20	7.5	ppb v/v			06/12/25 15:25	98.9
Chloromethane	49	U	49	33	ppb v/v			06/12/25 15:25	98.9
n-Butane	310		49	31	ppb v/v			06/12/25 15:25	98.9
Vinyl chloride	7.7	U	7.7	2.9	ppb v/v			06/12/25 15:25	98.9
1,3-Butadiene	5.3	J	20	4.0	ppb v/v			06/12/25 15:25	98.9
Bromomethane	20	U	20	6.1	ppb v/v			06/12/25 15:25	98.9
Chloroethane	49	U	49	16	ppb v/v			06/12/25 15:25	98.9
Bromoethene(Vinyl Bromide)	20	U	20	4.7	ppb v/v			06/12/25 15:25	98.9
Trichlorofluoromethane	20	U	20	7.6	ppb v/v			06/12/25 15:25	98.9
1,1,2-Trichlorotrifluoroethane	20	U	20	5.6	ppb v/v			06/12/25 15:25	98.9
1,1-Dichloroethene	5.0	U	5.0	3.5	ppb v/v			06/12/25 15:25	98.9
Acetone	22000	E	490	190	ppb v/v			06/12/25 15:25	98.9
Isopropyl alcohol	550		490	220	ppb v/v			06/12/25 15:25	98.9
Carbon disulfide	49	U	49	18	ppb v/v			06/12/25 15:25	98.9
3-Chloropropene	49	U	49	8.0	ppb v/v			06/12/25 15:25	98.9
Methylene Chloride	49	U	49	19	ppb v/v			06/12/25 15:25	98.9
tert-Butyl alcohol	490	U	490	160	ppb v/v			06/12/25 15:25	98.9
Methyl tert-butyl ether	20	U	20	6.5	ppb v/v			06/12/25 15:25	98.9
trans-1,2-Dichloroethene	20	U	20	2.0	ppb v/v			06/12/25 15:25	98.9
n-Hexane	610		49	16	ppb v/v			06/12/25 15:25	98.9
1,1-Dichloroethane	20	U	20	1.8	ppb v/v			06/12/25 15:25	98.9

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	2500		49	14	ppb v/v			06/12/25 15:25	98.9
cis-1,2-Dichloroethene	5.0	U	5.0	3.2	ppb v/v			06/12/25 15:25	98.9
Chloroform	20	U	20	5.8	ppb v/v			06/12/25 15:25	98.9
Tetrahydrofuran	490	U	490	170	ppb v/v			06/12/25 15:25	98.9
1,1,1-Trichloroethane	20	U	20	7.2	ppb v/v			06/12/25 15:25	98.9
Cyclohexane	77		20	5.1	ppb v/v			06/12/25 15:25	98.9
Carbon tetrachloride	3.5	U	3.5	2.4	ppb v/v			06/12/25 15:25	98.9
2,2,4-Trimethylpentane	7.5 J		20	7.0	ppb v/v			06/12/25 15:25	98.9
Benzene	20	U	20	5.0	ppb v/v			06/12/25 15:25	98.9
1,2-Dichloroethane	20	U	20	7.3	ppb v/v			06/12/25 15:25	98.9
n-Heptane	220		20	8.5	ppb v/v			06/12/25 15:25	98.9
Trichloroethene	3.7	U	3.7	2.9	ppb v/v			06/12/25 15:25	98.9
Methyl methacrylate	49	U	49	13	ppb v/v			06/12/25 15:25	98.9
1,2-Dichloropropane	20	U	20	5.4	ppb v/v			06/12/25 15:25	98.9
1,4-Dioxane	490	U	490	19	ppb v/v			06/12/25 15:25	98.9
Bromodichloromethane	20	U	20	5.7	ppb v/v			06/12/25 15:25	98.9
cis-1,3-Dichloropropene	20	U	20	5.5	ppb v/v			06/12/25 15:25	98.9
4-Methyl-2-pentanone (Methyl isobutyl ketone)	49	U	49	19	ppb v/v			06/12/25 15:25	98.9
Toluene	18 J		20	5.3	ppb v/v			06/12/25 15:25	98.9
trans-1,3-Dichloropropene	20	U	20	6.1	ppb v/v			06/12/25 15:25	98.9
1,1,2-Trichloroethane	20	U	20	5.2	ppb v/v			06/12/25 15:25	98.9
Tetrachloroethene	20	U	20	3.6	ppb v/v			06/12/25 15:25	98.9
Methyl Butyl Ketone (2-Hexanone)	100		49	20	ppb v/v			06/12/25 15:25	98.9
Dibromochloromethane	20	U	20	5.2	ppb v/v			06/12/25 15:25	98.9
1,2-Dibromoethane	20	U	20	4.5	ppb v/v			06/12/25 15:25	98.9
Chlorobenzene	20	U	20	4.6	ppb v/v			06/12/25 15:25	98.9
Ethylbenzene	5.4 J		20	5.0	ppb v/v			06/12/25 15:25	98.9
m,p-Xylene	9.2 J		49	1.4	ppb v/v			06/12/25 15:25	98.9
o-Xylene	20	U	20	6.8	ppb v/v			06/12/25 15:25	98.9
Styrene	20	U	20	5.5	ppb v/v			06/12/25 15:25	98.9
Bromoform	20	U	20	5.7	ppb v/v			06/12/25 15:25	98.9
Cumene	20	U	20	7.1	ppb v/v			06/12/25 15:25	98.9
1,1,2,2-Tetrachloroethane	20	U	20	6.0	ppb v/v			06/12/25 15:25	98.9
n-Propylbenzene	20	U	20	6.1	ppb v/v			06/12/25 15:25	98.9
4-Ethyltoluene	20	U	20	6.7	ppb v/v			06/12/25 15:25	98.9
1,3,5-Trimethylbenzene	20	U	20	6.7	ppb v/v			06/12/25 15:25	98.9
2-Chlorotoluene	20	U	20	5.7	ppb v/v			06/12/25 15:25	98.9
tert-Butylbenzene	20	U	20	6.9	ppb v/v			06/12/25 15:25	98.9
1,2,4-Trimethylbenzene	20	U	20	8.1	ppb v/v			06/12/25 15:25	98.9
sec-Butylbenzene	20	U	20	7.1	ppb v/v			06/12/25 15:25	98.9
4-Isopropyltoluene	20	U	20	7.7	ppb v/v			06/12/25 15:25	98.9
1,3-Dichlorobenzene	20	U	20	6.2	ppb v/v			06/12/25 15:25	98.9
1,4-Dichlorobenzene	20	U	20	6.9	ppb v/v			06/12/25 15:25	98.9
Benzyl chloride	20	U	20	7.3	ppb v/v			06/12/25 15:25	98.9
n-Butylbenzene	20	U	20	6.9	ppb v/v			06/12/25 15:25	98.9
1,2-Dichlorobenzene	20	U	20	6.5	ppb v/v			06/12/25 15:25	98.9
1,2,4-Trichlorobenzene	49	U	49	30	ppb v/v			06/12/25 15:25	98.9
Hexachlorobutadiene	20	U	20	7.7	ppb v/v			06/12/25 15:25	98.9

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	38	U	38	11	ppb v/v			06/12/25 15:25	98.9

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2500	U	2500	1100	ug/m3			06/13/25 21:39	1010
Chlorodifluoromethane	1800	U	1800	1300	ug/m3			06/13/25 21:39	1010
1,2-Dichlorotetrafluoroethane	1400	U	1400	540	ug/m3			06/13/25 21:39	1010
Chloromethane	1000	U	1000	690	ug/m3			06/13/25 21:39	1010
n-Butane	870	J D	1200	740	ug/m3			06/13/25 21:39	1010
Vinyl chloride	200	U	200	75	ug/m3			06/13/25 21:39	1010
1,3-Butadiene	450	U	450	89	ug/m3			06/13/25 21:39	1010
Bromomethane	780	U	780	240	ug/m3			06/13/25 21:39	1010
Chloroethane	1300	U	1300	430	ug/m3			06/13/25 21:39	1010
Bromoethene(Vinyl Bromide)	880	U	880	210	ug/m3			06/13/25 21:39	1010
Trichlorofluoromethane	1100	U	1100	440	ug/m3			06/13/25 21:39	1010
1,1,2-Trichlorotrifluoroethane	1500	U	1500	440	ug/m3			06/13/25 21:39	1010
1,1-Dichloroethene	200	U	200	140	ug/m3			06/13/25 21:39	1010
Acetone	57000	D	12000	4600	ug/m3			06/13/25 21:39	1010
Isopropyl alcohol	12000	U	12000	5500	ug/m3			06/13/25 21:39	1010
Carbon disulfide	1600	U	1600	570	ug/m3			06/13/25 21:39	1010
3-Chloropropene	1600	U	1600	260	ug/m3			06/13/25 21:39	1010
Methylene Chloride	1800	U	1800	670	ug/m3			06/13/25 21:39	1010
tert-Butyl alcohol	15000	U	15000	4900	ug/m3			06/13/25 21:39	1010
Methyl tert-butyl ether	730	U	730	240	ug/m3			06/13/25 21:39	1010
trans-1,2-Dichloroethene	800	U	800	80	ug/m3			06/13/25 21:39	1010
n-Hexane	2200	D	1800	570	ug/m3			06/13/25 21:39	1010
1,1-Dichloroethane	820	U	820	74	ug/m3			06/13/25 21:39	1010
Methyl Ethyl Ketone (2-Butanone)	6200	D	1500	420	ug/m3			06/13/25 21:39	1010
cis-1,2-Dichloroethene	200	U	200	130	ug/m3			06/13/25 21:39	1010
Chloroform	990	U	990	290	ug/m3			06/13/25 21:39	1010
Tetrahydrofuran	15000	U	15000	5100	ug/m3			06/13/25 21:39	1010
1,1,1-Trichloroethane	1100	U	1100	400	ug/m3			06/13/25 21:39	1010
Cyclohexane	260	J D	700	180	ug/m3			06/13/25 21:39	1010
Carbon tetrachloride	220	U	220	150	ug/m3			06/13/25 21:39	1010
2,2,4-Trimethylpentane	940	U	940	340	ug/m3			06/13/25 21:39	1010
Benzene	650	U	650	160	ug/m3			06/13/25 21:39	1010
1,2-Dichloroethane	820	U	820	300	ug/m3			06/13/25 21:39	1010
n-Heptane	920	D	830	360	ug/m3			06/13/25 21:39	1010
Trichloroethene	200	U	200	160	ug/m3			06/13/25 21:39	1010
Methyl methacrylate	2100	U	2100	540	ug/m3			06/13/25 21:39	1010
1,2-Dichloropropane	930	U	930	260	ug/m3			06/13/25 21:39	1010
1,4-Dioxane	18000	U	18000	690	ug/m3			06/13/25 21:39	1010
Bromodichloromethane	1400	U	1400	390	ug/m3			06/13/25 21:39	1010
cis-1,3-Dichloropropene	920	U	920	260	ug/m3			06/13/25 21:39	1010
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2100	U	2100	790	ug/m3			06/13/25 21:39	1010
Toluene	760	U	760	210	ug/m3			06/13/25 21:39	1010
trans-1,3-Dichloropropene	920	U	920	280	ug/m3			06/13/25 21:39	1010
1,1,2-Trichloroethane	1100	U	1100	290	ug/m3			06/13/25 21:39	1010

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1400	U	1400	250	ug/m3			06/13/25 21:39	1010
Methyl Butyl Ketone (2-Hexanone)	2100	U	2100	830	ug/m3			06/13/25 21:39	1010
Dibromochloromethane	1700	U	1700	460	ug/m3			06/13/25 21:39	1010
1,2-Dibromoethane	1600	U	1600	350	ug/m3			06/13/25 21:39	1010
Chlorobenzene	930	U	930	220	ug/m3			06/13/25 21:39	1010
Ethylbenzene	880	U	880	220	ug/m3			06/13/25 21:39	1010
m,p-Xylene	2200	U	2200	61	ug/m3			06/13/25 21:39	1010
o-Xylene	880	U	880	300	ug/m3			06/13/25 21:39	1010
Styrene	860	U	860	240	ug/m3			06/13/25 21:39	1010
Bromoform	2100	U	2100	610	ug/m3			06/13/25 21:39	1010
Cumene	990	U	990	360	ug/m3			06/13/25 21:39	1010
1,1,2,2-Tetrachloroethane	1400	U	1400	420	ug/m3			06/13/25 21:39	1010
n-Propylbenzene	990	U	990	310	ug/m3			06/13/25 21:39	1010
4-Ethyltoluene	990	U	990	340	ug/m3			06/13/25 21:39	1010
1,3,5-Trimethylbenzene	990	U	990	340	ug/m3			06/13/25 21:39	1010
2-Chlorotoluene	1000	U	1000	300	ug/m3			06/13/25 21:39	1010
tert-Butylbenzene	1100	U	1100	390	ug/m3			06/13/25 21:39	1010
1,2,4-Trimethylbenzene	990	U	990	410	ug/m3			06/13/25 21:39	1010
sec-Butylbenzene	1100	U	1100	400	ug/m3			06/13/25 21:39	1010
4-Isopropyltoluene	1100	U	1100	430	ug/m3			06/13/25 21:39	1010
1,3-Dichlorobenzene	1200	U	1200	380	ug/m3			06/13/25 21:39	1010
1,4-Dichlorobenzene	1200	U	1200	430	ug/m3			06/13/25 21:39	1010
Benzyl chloride	1000	U	1000	390	ug/m3			06/13/25 21:39	1010
n-Butylbenzene	1100	U	1100	390	ug/m3			06/13/25 21:39	1010
1,2-Dichlorobenzene	1200	U	1200	400	ug/m3			06/13/25 21:39	1010
1,2,4-Trichlorobenzene	3700	U	3700	2200	ug/m3			06/13/25 21:39	1010
Hexachlorobutadiene	2200	U	2200	840	ug/m3			06/13/25 21:39	1010
Naphthalene	2000	U	2000	580	ug/m3			06/13/25 21:39	1010
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	510	U	510	220	ppb v/v			06/13/25 21:39	1010
Chlorodifluoromethane	510	U	510	360	ppb v/v			06/13/25 21:39	1010
1,2-Dichlorotetrafluoroethane	200	U	200	77	ppb v/v			06/13/25 21:39	1010
Chloromethane	510	U	510	330	ppb v/v			06/13/25 21:39	1010
n-Butane	370	J D	510	310	ppb v/v			06/13/25 21:39	1010
Vinyl chloride	79	U	79	29	ppb v/v			06/13/25 21:39	1010
1,3-Butadiene	200	U	200	40	ppb v/v			06/13/25 21:39	1010
Bromomethane	200	U	200	63	ppb v/v			06/13/25 21:39	1010
Chloroethane	510	U	510	160	ppb v/v			06/13/25 21:39	1010
Bromoethene(Vinyl Bromide)	200	U	200	48	ppb v/v			06/13/25 21:39	1010
Trichlorofluoromethane	200	U	200	78	ppb v/v			06/13/25 21:39	1010
1,1,2-Trichlorotrifluoroethane	200	U	200	58	ppb v/v			06/13/25 21:39	1010
1,1-Dichloroethene	51	U	51	35	ppb v/v			06/13/25 21:39	1010
Acetone	24000	D	5100	1900	ppb v/v			06/13/25 21:39	1010
Isopropyl alcohol	5100	U	5100	2200	ppb v/v			06/13/25 21:39	1010
Carbon disulfide	510	U	510	180	ppb v/v			06/13/25 21:39	1010
3-Chloropropene	510	U	510	82	ppb v/v			06/13/25 21:39	1010
Methylene Chloride	510	U	510	190	ppb v/v			06/13/25 21:39	1010
tert-Butyl alcohol	5100	U	5100	1600	ppb v/v			06/13/25 21:39	1010

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	200	U	200	67	ppb v/v			06/13/25 21:39	1010
trans-1,2-Dichloroethene	200	U	200	20	ppb v/v			06/13/25 21:39	1010
n-Hexane	630	D	510	160	ppb v/v			06/13/25 21:39	1010
1,1-Dichloroethane	200	U	200	18	ppb v/v			06/13/25 21:39	1010
Methyl Ethyl Ketone (2-Butanone)	2100	D	510	140	ppb v/v			06/13/25 21:39	1010
cis-1,2-Dichloroethene	51	U	51	32	ppb v/v			06/13/25 21:39	1010
Chloroform	200	U	200	60	ppb v/v			06/13/25 21:39	1010
Tetrahydrofuran	5100	U	5100	1700	ppb v/v			06/13/25 21:39	1010
1,1,1-Trichloroethane	200	U	200	74	ppb v/v			06/13/25 21:39	1010
Cyclohexane	76	J D	200	53	ppb v/v			06/13/25 21:39	1010
Carbon tetrachloride	35	U	35	24	ppb v/v			06/13/25 21:39	1010
2,2,4-Trimethylpentane	200	U	200	72	ppb v/v			06/13/25 21:39	1010
Benzene	200	U	200	52	ppb v/v			06/13/25 21:39	1010
1,2-Dichloroethane	200	U	200	75	ppb v/v			06/13/25 21:39	1010
n-Heptane	220	D	200	87	ppb v/v			06/13/25 21:39	1010
Trichloroethene	38	U	38	29	ppb v/v			06/13/25 21:39	1010
Methyl methacrylate	510	U	510	130	ppb v/v			06/13/25 21:39	1010
1,2-Dichloropropane	200	U	200	56	ppb v/v			06/13/25 21:39	1010
1,4-Dioxane	5100	U	5100	190	ppb v/v			06/13/25 21:39	1010
Bromodichloromethane	200	U	200	59	ppb v/v			06/13/25 21:39	1010
cis-1,3-Dichloropropene	200	U	200	57	ppb v/v			06/13/25 21:39	1010
4-Methyl-2-pentanone (Methyl isobutyl ketone)	510	U	510	190	ppb v/v			06/13/25 21:39	1010
Toluene	200	U	200	55	ppb v/v			06/13/25 21:39	1010
trans-1,3-Dichloropropene	200	U	200	63	ppb v/v			06/13/25 21:39	1010
1,1,2-Trichloroethane	200	U	200	54	ppb v/v			06/13/25 21:39	1010
Tetrachloroethene	200	U	200	36	ppb v/v			06/13/25 21:39	1010
Methyl Butyl Ketone (2-Hexanone)	510	U	510	200	ppb v/v			06/13/25 21:39	1010
Dibromochloromethane	200	U	200	54	ppb v/v			06/13/25 21:39	1010
1,2-Dibromoethane	200	U	200	45	ppb v/v			06/13/25 21:39	1010
Chlorobenzene	200	U	200	47	ppb v/v			06/13/25 21:39	1010
Ethylbenzene	200	U	200	52	ppb v/v			06/13/25 21:39	1010
m,p-Xylene	510	U	510	14	ppb v/v			06/13/25 21:39	1010
o-Xylene	200	U	200	70	ppb v/v			06/13/25 21:39	1010
Styrene	200	U	200	57	ppb v/v			06/13/25 21:39	1010
Bromoform	200	U	200	59	ppb v/v			06/13/25 21:39	1010
Cumene	200	U	200	73	ppb v/v			06/13/25 21:39	1010
1,1,2,2-Tetrachloroethane	200	U	200	62	ppb v/v			06/13/25 21:39	1010
n-Propylbenzene	200	U	200	63	ppb v/v			06/13/25 21:39	1010
4-Ethyltoluene	200	U	200	69	ppb v/v			06/13/25 21:39	1010
1,3,5-Trimethylbenzene	200	U	200	69	ppb v/v			06/13/25 21:39	1010
2-Chlorotoluene	200	U	200	59	ppb v/v			06/13/25 21:39	1010
tert-Butylbenzene	200	U	200	71	ppb v/v			06/13/25 21:39	1010
1,2,4-Trimethylbenzene	200	U	200	83	ppb v/v			06/13/25 21:39	1010
sec-Butylbenzene	200	U	200	73	ppb v/v			06/13/25 21:39	1010
4-Isopropyltoluene	200	U	200	79	ppb v/v			06/13/25 21:39	1010
1,3-Dichlorobenzene	200	U	200	64	ppb v/v			06/13/25 21:39	1010
1,4-Dichlorobenzene	200	U	200	71	ppb v/v			06/13/25 21:39	1010
Benzyl chloride	200	U	200	75	ppb v/v			06/13/25 21:39	1010

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	200	U	200	71	ppb v/v			06/13/25 21:39	1010
1,2-Dichlorobenzene	200	U	200	67	ppb v/v			06/13/25 21:39	1010
1,2,4-Trichlorobenzene	510	U	510	300	ppb v/v			06/13/25 21:39	1010
Hexachlorobutadiene	200	U	200	79	ppb v/v			06/13/25 21:39	1010
Naphthalene	390	U	390	110	ppb v/v			06/13/25 21:39	1010

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	74	U	74	33	ug/m3			06/12/25 17:08	30
Chlorodifluoromethane	53	U	53	38	ug/m3			06/12/25 17:08	30
1,2-Dichlorotetrafluoroethane	42	U	42	16	ug/m3			06/12/25 17:08	30
Chloromethane	31	U	31	20	ug/m3			06/12/25 17:08	30
n-Butane	150		36	22	ug/m3			06/12/25 17:08	30
Vinyl chloride	6.0	U	6.0	2.2	ug/m3			06/12/25 17:08	30
1,3-Butadiene	4.8	J	13	2.7	ug/m3			06/12/25 17:08	30
Bromomethane	23	U	23	7.2	ug/m3			06/12/25 17:08	30
Chloroethane	40	U	40	13	ug/m3			06/12/25 17:08	30
Bromoethene(Vinyl Bromide)	26	U	26	6.3	ug/m3			06/12/25 17:08	30
Trichlorofluoromethane	34	U	34	13	ug/m3			06/12/25 17:08	30
1,1,2-Trichlorotrifluoroethane	46	U	46	13	ug/m3			06/12/25 17:08	30
1,1-Dichloroethene	6.0	U	6.0	4.2	ug/m3			06/12/25 17:08	30
Acetone	9200	E	360	140	ug/m3			06/12/25 17:08	30
Isopropyl alcohol	370	U	370	160	ug/m3			06/12/25 17:08	30
Carbon disulfide	47	U	47	17	ug/m3			06/12/25 17:08	30
3-Chloropropene	47	U	47	7.6	ug/m3			06/12/25 17:08	30
Methylene Chloride	52	U	52	20	ug/m3			06/12/25 17:08	30
tert-Butyl alcohol	450	U	450	150	ug/m3			06/12/25 17:08	30
Methyl tert-butyl ether	22	U	22	7.1	ug/m3			06/12/25 17:08	30
trans-1,2-Dichloroethene	24	U	24	2.4	ug/m3			06/12/25 17:08	30
n-Hexane	190		53	17	ug/m3			06/12/25 17:08	30
1,1-Dichloroethane	24	U	24	2.2	ug/m3			06/12/25 17:08	30
Methyl Ethyl Ketone (2-Butanone)	17000	E	44	12	ug/m3			06/12/25 17:08	30
cis-1,2-Dichloroethene	6.0	U	6.0	3.8	ug/m3			06/12/25 17:08	30
Chloroform	29	U	29	8.6	ug/m3			06/12/25 17:08	30
Tetrahydrofuran	440	U	440	150	ug/m3			06/12/25 17:08	30
1,1,1-Trichloroethane	33	U	33	12	ug/m3			06/12/25 17:08	30
Cyclohexane	55		21	5.4	ug/m3			06/12/25 17:08	30
Carbon tetrachloride	6.6	U	6.6	4.5	ug/m3			06/12/25 17:08	30
2,2,4-Trimethylpentane	28	U	28	10	ug/m3			06/12/25 17:08	30
Benzene	5.1	J	19	4.9	ug/m3			06/12/25 17:08	30
1,2-Dichloroethane	24	U	24	9.0	ug/m3			06/12/25 17:08	30
n-Heptane	100		25	11	ug/m3			06/12/25 17:08	30
Trichloroethene	6.0	U	6.0	4.7	ug/m3			06/12/25 17:08	30
Methyl methacrylate	61	U	61	16	ug/m3			06/12/25 17:08	30

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	28	U	28	7.6	ug/m3			06/12/25 17:08	30
1,4-Dioxane	540	U	540	21	ug/m3			06/12/25 17:08	30
Bromodichloromethane	40	U	40	12	ug/m3			06/12/25 17:08	30
cis-1,3-Dichloropropene	27	U	27	7.6	ug/m3			06/12/25 17:08	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	61	U	61	23	ug/m3			06/12/25 17:08	30
Toluene	8.0	J	23	6.1	ug/m3			06/12/25 17:08	30
trans-1,3-Dichloropropene	27	U	27	8.4	ug/m3			06/12/25 17:08	30
1,1,2-Trichloroethane	33	U	33	8.7	ug/m3			06/12/25 17:08	30
Tetrachloroethene	21	J	41	7.3	ug/m3			06/12/25 17:08	30
Methyl Butyl Ketone (2-Hexanone)	450		61	25	ug/m3			06/12/25 17:08	30
Dibromochloromethane	51	U	51	14	ug/m3			06/12/25 17:08	30
1,2-Dibromoethane	46	U	46	10	ug/m3			06/12/25 17:08	30
Chlorobenzene	28	U	28	6.5	ug/m3			06/12/25 17:08	30
Ethylbenzene	26	U	26	6.6	ug/m3			06/12/25 17:08	30
m,p-Xylene	6.2	J	65	1.8	ug/m3			06/12/25 17:08	30
o-Xylene	26	U	26	9.0	ug/m3			06/12/25 17:08	30
Styrene	26	U	26	7.2	ug/m3			06/12/25 17:08	30
Bromoform	62	U	62	18	ug/m3			06/12/25 17:08	30
Cumene	29	U	29	11	ug/m3			06/12/25 17:08	30
1,1,2,2-Tetrachloroethane	41	U	41	13	ug/m3			06/12/25 17:08	30
n-Propylbenzene	29	U	29	9.1	ug/m3			06/12/25 17:08	30
4-Ethyltoluene	29	U	29	10	ug/m3			06/12/25 17:08	30
1,3,5-Trimethylbenzene	29	U	29	10	ug/m3			06/12/25 17:08	30
2-Chlorotoluene	31	U	31	9.0	ug/m3			06/12/25 17:08	30
tert-Butylbenzene	33	U	33	12	ug/m3			06/12/25 17:08	30
1,2,4-Trimethylbenzene	29	U	29	12	ug/m3			06/12/25 17:08	30
sec-Butylbenzene	33	U	33	12	ug/m3			06/12/25 17:08	30
4-Isopropyltoluene	33	U	33	13	ug/m3			06/12/25 17:08	30
1,3-Dichlorobenzene	36	U	36	11	ug/m3			06/12/25 17:08	30
1,4-Dichlorobenzene	36	U	36	13	ug/m3			06/12/25 17:08	30
Benzyl chloride	31	U	31	11	ug/m3			06/12/25 17:08	30
n-Butylbenzene	33	U	33	12	ug/m3			06/12/25 17:08	30
1,2-Dichlorobenzene	36	U	36	12	ug/m3			06/12/25 17:08	30
1,2,4-Trichlorobenzene	110	U	110	67	ug/m3			06/12/25 17:08	30
Hexachlorobutadiene	64	U	64	25	ug/m3			06/12/25 17:08	30
Naphthalene	60	U	60	17	ug/m3			06/12/25 17:08	30
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	15	U	15	6.6	ppb v/v			06/12/25 17:08	30
Chlorodifluoromethane	15	U	15	11	ppb v/v			06/12/25 17:08	30
1,2-Dichlorotetrafluoroethane	6.0	U	6.0	2.3	ppb v/v			06/12/25 17:08	30
Chloromethane	15	U	15	9.9	ppb v/v			06/12/25 17:08	30
n-Butane	61		15	9.3	ppb v/v			06/12/25 17:08	30
Vinyl chloride	2.3	U	2.3	0.87	ppb v/v			06/12/25 17:08	30
1,3-Butadiene	2.2	J	6.0	1.2	ppb v/v			06/12/25 17:08	30
Bromomethane	6.0	U	6.0	1.9	ppb v/v			06/12/25 17:08	30
Chloroethane	15	U	15	4.8	ppb v/v			06/12/25 17:08	30
Bromoethene(Vinyl Bromide)	6.0	U	6.0	1.4	ppb v/v			06/12/25 17:08	30

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	6.0	U	6.0	2.3	ppb v/v			06/12/25 17:08	30
1,1,2-Trichlorotrifluoroethane	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
1,1-Dichloroethene	1.5	U	1.5	1.1	ppb v/v			06/12/25 17:08	30
Acetone	3900	E	150	57	ppb v/v			06/12/25 17:08	30
Isopropyl alcohol	150	U	150	66	ppb v/v			06/12/25 17:08	30
Carbon disulfide	15	U	15	5.4	ppb v/v			06/12/25 17:08	30
3-Chloropropene	15	U	15	2.4	ppb v/v			06/12/25 17:08	30
Methylene Chloride	15	U	15	5.7	ppb v/v			06/12/25 17:08	30
tert-Butyl alcohol	150	U	150	48	ppb v/v			06/12/25 17:08	30
Methyl tert-butyl ether	6.0	U	6.0	2.0	ppb v/v			06/12/25 17:08	30
trans-1,2-Dichloroethene	6.0	U	6.0	0.60	ppb v/v			06/12/25 17:08	30
n-Hexane	54		15	4.8	ppb v/v			06/12/25 17:08	30
1,1-Dichloroethane	6.0	U	6.0	0.54	ppb v/v			06/12/25 17:08	30
Methyl Ethyl Ketone (2-Butanone)	5900	E	15	4.2	ppb v/v			06/12/25 17:08	30
cis-1,2-Dichloroethene	1.5	U	1.5	0.96	ppb v/v			06/12/25 17:08	30
Chloroform	6.0	U	6.0	1.8	ppb v/v			06/12/25 17:08	30
Tetrahydrofuran	150	U	150	51	ppb v/v			06/12/25 17:08	30
1,1,1-Trichloroethane	6.0	U	6.0	2.2	ppb v/v			06/12/25 17:08	30
Cyclohexane	16		6.0	1.6	ppb v/v			06/12/25 17:08	30
Carbon tetrachloride	1.0	U	1.0	0.72	ppb v/v			06/12/25 17:08	30
2,2,4-Trimethylpentane	6.0	U	6.0	2.1	ppb v/v			06/12/25 17:08	30
Benzene	1.6	J	6.0	1.5	ppb v/v			06/12/25 17:08	30
1,2-Dichloroethane	6.0	U	6.0	2.2	ppb v/v			06/12/25 17:08	30
n-Heptane	25		6.0	2.6	ppb v/v			06/12/25 17:08	30
Trichloroethene	1.1	U	1.1	0.87	ppb v/v			06/12/25 17:08	30
Methyl methacrylate	15	U	15	3.9	ppb v/v			06/12/25 17:08	30
1,2-Dichloropropane	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
1,4-Dioxane	150	U	150	5.7	ppb v/v			06/12/25 17:08	30
Bromodichloromethane	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
cis-1,3-Dichloropropene	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15	U	15	5.7	ppb v/v			06/12/25 17:08	30
Toluene	2.1	J	6.0	1.6	ppb v/v			06/12/25 17:08	30
trans-1,3-Dichloropropene	6.0	U	6.0	1.9	ppb v/v			06/12/25 17:08	30
1,1,2-Trichloroethane	6.0	U	6.0	1.6	ppb v/v			06/12/25 17:08	30
Tetrachloroethene	3.1	J	6.0	1.1	ppb v/v			06/12/25 17:08	30
Methyl Butyl Ketone (2-Hexanone)	110		15	6.0	ppb v/v			06/12/25 17:08	30
Dibromochloromethane	6.0	U	6.0	1.6	ppb v/v			06/12/25 17:08	30
1,2-Dibromoethane	6.0	U	6.0	1.4	ppb v/v			06/12/25 17:08	30
Chlorobenzene	6.0	U	6.0	1.4	ppb v/v			06/12/25 17:08	30
Ethylbenzene	6.0	U	6.0	1.5	ppb v/v			06/12/25 17:08	30
m,p-Xylene	1.4	J	15	0.42	ppb v/v			06/12/25 17:08	30
o-Xylene	6.0	U	6.0	2.1	ppb v/v			06/12/25 17:08	30
Styrene	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
Bromoform	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
Cumene	6.0	U	6.0	2.2	ppb v/v			06/12/25 17:08	30
1,1,2,2-Tetrachloroethane	6.0	U	6.0	1.8	ppb v/v			06/12/25 17:08	30
n-Propylbenzene	6.0	U	6.0	1.9	ppb v/v			06/12/25 17:08	30
4-Ethyltoluene	6.0	U	6.0	2.0	ppb v/v			06/12/25 17:08	30

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	6.0	U	6.0	2.0	ppb v/v			06/12/25 17:08	30
2-Chlorotoluene	6.0	U	6.0	1.7	ppb v/v			06/12/25 17:08	30
tert-Butylbenzene	6.0	U	6.0	2.1	ppb v/v			06/12/25 17:08	30
1,2,4-Trimethylbenzene	6.0	U	6.0	2.5	ppb v/v			06/12/25 17:08	30
sec-Butylbenzene	6.0	U	6.0	2.2	ppb v/v			06/12/25 17:08	30
4-Isopropyltoluene	6.0	U	6.0	2.3	ppb v/v			06/12/25 17:08	30
1,3-Dichlorobenzene	6.0	U	6.0	1.9	ppb v/v			06/12/25 17:08	30
1,4-Dichlorobenzene	6.0	U	6.0	2.1	ppb v/v			06/12/25 17:08	30
Benzyl chloride	6.0	U	6.0	2.2	ppb v/v			06/12/25 17:08	30
n-Butylbenzene	6.0	U	6.0	2.1	ppb v/v			06/12/25 17:08	30
1,2-Dichlorobenzene	6.0	U	6.0	2.0	ppb v/v			06/12/25 17:08	30
1,2,4-Trichlorobenzene	15	U	15	9.0	ppb v/v			06/12/25 17:08	30
Hexachlorobutadiene	6.0	U	6.0	2.3	ppb v/v			06/12/25 17:08	30
Naphthalene	11	U	11	3.3	ppb v/v			06/12/25 17:08	30

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	380	U	380	170	ug/m3			06/12/25 17:59	154
Chlorodifluoromethane	270	U	270	200	ug/m3			06/12/25 17:59	154
1,2-Dichlorotetrafluoroethane	220	U	220	82	ug/m3			06/12/25 17:59	154
Chloromethane	160	U	160	100	ug/m3			06/12/25 17:59	154
n-Butane	150	J D	180	110	ug/m3			06/12/25 17:59	154
Vinyl chloride	31	U	31	11	ug/m3			06/12/25 17:59	154
1,3-Butadiene	68	U	68	14	ug/m3			06/12/25 17:59	154
Bromomethane	120	U	120	37	ug/m3			06/12/25 17:59	154
Chloroethane	200	U	200	65	ug/m3			06/12/25 17:59	154
Bromoethene(Vinyl Bromide)	130	U	130	32	ug/m3			06/12/25 17:59	154
Trichlorofluoromethane	170	U	170	67	ug/m3			06/12/25 17:59	154
1,1,2-Trichlorotrifluoroethane	240	U	240	67	ug/m3			06/12/25 17:59	154
1,1-Dichloroethene	31	U	31	21	ug/m3			06/12/25 17:59	154
Acetone	9300	D	1800	700	ug/m3			06/12/25 17:59	154
Isopropyl alcohol	1900	U	1900	830	ug/m3			06/12/25 17:59	154
Carbon disulfide	240	U	240	86	ug/m3			06/12/25 17:59	154
3-Chloropropene	240	U	240	39	ug/m3			06/12/25 17:59	154
Methylene Chloride	270	U	270	100	ug/m3			06/12/25 17:59	154
tert-Butyl alcohol	2300	U	2300	750	ug/m3			06/12/25 17:59	154
Methyl tert-butyl ether	110	U	110	37	ug/m3			06/12/25 17:59	154
trans-1,2-Dichloroethene	120	U	120	12	ug/m3			06/12/25 17:59	154
n-Hexane	170	J D	270	87	ug/m3			06/12/25 17:59	154
1,1-Dichloroethane	120	U	120	11	ug/m3			06/12/25 17:59	154
Methyl Ethyl Ketone (2-Butanone)	17000	D	230	64	ug/m3			06/12/25 17:59	154
cis-1,2-Dichloroethene	31	U	31	20	ug/m3			06/12/25 17:59	154
Chloroform	150	U	150	44	ug/m3			06/12/25 17:59	154
Tetrahydrofuran	2300	U	2300	770	ug/m3			06/12/25 17:59	154
1,1,1-Trichloroethane	170	U	170	61	ug/m3			06/12/25 17:59	154
Cyclohexane	54	J D	110	28	ug/m3			06/12/25 17:59	154
Carbon tetrachloride	34	U	34	23	ug/m3			06/12/25 17:59	154
2,2,4-Trimethylpentane	140	U	140	51	ug/m3			06/12/25 17:59	154
Benzene	98	U	98	25	ug/m3			06/12/25 17:59	154

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	120	U	120	46	ug/m3			06/12/25 17:59	154
n-Heptane	95	J D	130	54	ug/m3			06/12/25 17:59	154
Trichloroethene	31	U	31	24	ug/m3			06/12/25 17:59	154
Methyl methacrylate	320	U	320	82	ug/m3			06/12/25 17:59	154
1,2-Dichloropropane	140	U	140	39	ug/m3			06/12/25 17:59	154
1,4-Dioxane	2800	U	2800	110	ug/m3			06/12/25 17:59	154
Bromodichloromethane	210	U	210	60	ug/m3			06/12/25 17:59	154
cis-1,3-Dichloropropene	140	U	140	39	ug/m3			06/12/25 17:59	154
4-Methyl-2-pentanone (Methyl isobutyl ketone)	320	U	320	120	ug/m3			06/12/25 17:59	154
Toluene	120	U	120	31	ug/m3			06/12/25 17:59	154
trans-1,3-Dichloropropene	140	U	140	43	ug/m3			06/12/25 17:59	154
1,1,2-Trichloroethane	170	U	170	45	ug/m3			06/12/25 17:59	154
Tetrachloroethene	210	U	210	38	ug/m3			06/12/25 17:59	154
Methyl Butyl Ketone (2-Hexanone)	340	D	320	130	ug/m3			06/12/25 17:59	154
Dibromochloromethane	260	U	260	70	ug/m3			06/12/25 17:59	154
1,2-Dibromoethane	240	U	240	53	ug/m3			06/12/25 17:59	154
Chlorobenzene	140	U	140	33	ug/m3			06/12/25 17:59	154
Ethylbenzene	130	U	130	34	ug/m3			06/12/25 17:59	154
m,p-Xylene	330	U	330	9.4	ug/m3			06/12/25 17:59	154
o-Xylene	130	U	130	46	ug/m3			06/12/25 17:59	154
Styrene	130	U	130	37	ug/m3			06/12/25 17:59	154
Bromoform	320	U	320	92	ug/m3			06/12/25 17:59	154
Cumene	150	U	150	55	ug/m3			06/12/25 17:59	154
1,1,2,2-Tetrachloroethane	210	U	210	64	ug/m3			06/12/25 17:59	154
n-Propylbenzene	150	U	150	47	ug/m3			06/12/25 17:59	154
4-Ethyltoluene	150	U	150	51	ug/m3			06/12/25 17:59	154
1,3,5-Trimethylbenzene	150	U	150	51	ug/m3			06/12/25 17:59	154
2-Chlorotoluene	160	U	160	46	ug/m3			06/12/25 17:59	154
tert-Butylbenzene	170	U	170	59	ug/m3			06/12/25 17:59	154
1,2,4-Trimethylbenzene	150	U	150	62	ug/m3			06/12/25 17:59	154
sec-Butylbenzene	170	U	170	61	ug/m3			06/12/25 17:59	154
4-Isopropyltoluene	170	U	170	66	ug/m3			06/12/25 17:59	154
1,3-Dichlorobenzene	190	U	190	58	ug/m3			06/12/25 17:59	154
1,4-Dichlorobenzene	190	U	190	65	ug/m3			06/12/25 17:59	154
Benzyl chloride	160	U	160	59	ug/m3			06/12/25 17:59	154
n-Butylbenzene	170	U	170	59	ug/m3			06/12/25 17:59	154
1,2-Dichlorobenzene	190	U	190	61	ug/m3			06/12/25 17:59	154
1,2,4-Trichlorobenzene	570	U	570	340	ug/m3			06/12/25 17:59	154
Hexachlorobutadiene	330	U	330	130	ug/m3			06/12/25 17:59	154
Naphthalene	310	U	310	89	ug/m3			06/12/25 17:59	154
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	77	U	77	34	ppb v/v			06/12/25 17:59	154
Chlorodifluoromethane	77	U	77	55	ppb v/v			06/12/25 17:59	154
1,2-Dichlorotetrafluoroethane	31	U	31	12	ppb v/v			06/12/25 17:59	154
Chloromethane	77	U	77	51	ppb v/v			06/12/25 17:59	154
n-Butane	62	J D	77	48	ppb v/v			06/12/25 17:59	154
Vinyl chloride	12	U	12	4.5	ppb v/v			06/12/25 17:59	154

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	31	U	31	6.2	ppb v/v			06/12/25 17:59	154
Bromomethane	31	U	31	9.5	ppb v/v			06/12/25 17:59	154
Chloroethane	77	U	77	25	ppb v/v			06/12/25 17:59	154
Bromoethene(Vinyl Bromide)	31	U	31	7.4	ppb v/v			06/12/25 17:59	154
Trichlorofluoromethane	31	U	31	12	ppb v/v			06/12/25 17:59	154
1,1,2-Trichlorotrifluoroethane	31	U	31	8.8	ppb v/v			06/12/25 17:59	154
1,1-Dichloroethene	7.8	U	7.8	5.4	ppb v/v			06/12/25 17:59	154
Acetone	3900	D	770	290	ppb v/v			06/12/25 17:59	154
Isopropyl alcohol	770	U	770	340	ppb v/v			06/12/25 17:59	154
Carbon disulfide	77	U	77	28	ppb v/v			06/12/25 17:59	154
3-Chloropropene	77	U	77	12	ppb v/v			06/12/25 17:59	154
Methylene Chloride	77	U	77	29	ppb v/v			06/12/25 17:59	154
tert-Butyl alcohol	770	U	770	250	ppb v/v			06/12/25 17:59	154
Methyl tert-butyl ether	31	U	31	10	ppb v/v			06/12/25 17:59	154
trans-1,2-Dichloroethene	31	U	31	3.1	ppb v/v			06/12/25 17:59	154
n-Hexane	48	J D	77	25	ppb v/v			06/12/25 17:59	154
1,1-Dichloroethane	31	U	31	2.8	ppb v/v			06/12/25 17:59	154
Methyl Ethyl Ketone (2-Butanone)	5700	D	77	22	ppb v/v			06/12/25 17:59	154
cis-1,2-Dichloroethene	7.8	U	7.8	4.9	ppb v/v			06/12/25 17:59	154
Chloroform	31	U	31	9.1	ppb v/v			06/12/25 17:59	154
Tetrahydrofuran	770	U	770	260	ppb v/v			06/12/25 17:59	154
1,1,1-Trichloroethane	31	U	31	11	ppb v/v			06/12/25 17:59	154
Cyclohexane	16	J D	31	8.0	ppb v/v			06/12/25 17:59	154
Carbon tetrachloride	5.4	U	5.4	3.7	ppb v/v			06/12/25 17:59	154
2,2,4-Trimethylpentane	31	U	31	11	ppb v/v			06/12/25 17:59	154
Benzene	31	U	31	7.9	ppb v/v			06/12/25 17:59	154
1,2-Dichloroethane	31	U	31	11	ppb v/v			06/12/25 17:59	154
n-Heptane	23	J D	31	13	ppb v/v			06/12/25 17:59	154
Trichloroethene	5.7	U	5.7	4.5	ppb v/v			06/12/25 17:59	154
Methyl methacrylate	77	U	77	20	ppb v/v			06/12/25 17:59	154
1,2-Dichloropropane	31	U	31	8.5	ppb v/v			06/12/25 17:59	154
1,4-Dioxane	770	U	770	29	ppb v/v			06/12/25 17:59	154
Bromodichloromethane	31	U	31	8.9	ppb v/v			06/12/25 17:59	154
cis-1,3-Dichloropropene	31	U	31	8.6	ppb v/v			06/12/25 17:59	154
4-Methyl-2-pentanone (Methyl isobutyl ketone)	77	U	77	29	ppb v/v			06/12/25 17:59	154
Toluene	31	U	31	8.3	ppb v/v			06/12/25 17:59	154
trans-1,3-Dichloropropene	31	U	31	9.5	ppb v/v			06/12/25 17:59	154
1,1,2-Trichloroethane	31	U	31	8.2	ppb v/v			06/12/25 17:59	154
Tetrachloroethene	31	U	31	5.5	ppb v/v			06/12/25 17:59	154
Methyl Butyl Ketone (2-Hexanone)	82	D	77	31	ppb v/v			06/12/25 17:59	154
Dibromochloromethane	31	U	31	8.2	ppb v/v			06/12/25 17:59	154
1,2-Dibromoethane	31	U	31	6.9	ppb v/v			06/12/25 17:59	154
Chlorobenzene	31	U	31	7.2	ppb v/v			06/12/25 17:59	154
Ethylbenzene	31	U	31	7.9	ppb v/v			06/12/25 17:59	154
m,p-Xylene	77	U	77	2.2	ppb v/v			06/12/25 17:59	154
o-Xylene	31	U	31	11	ppb v/v			06/12/25 17:59	154
Styrene	31	U	31	8.6	ppb v/v			06/12/25 17:59	154
Bromoform	31	U	31	8.9	ppb v/v			06/12/25 17:59	154

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	31	U	31	11	ppb v/v			06/12/25 17:59	154
1,1,2,2-Tetrachloroethane	31	U	31	9.4	ppb v/v			06/12/25 17:59	154
n-Propylbenzene	31	U	31	9.5	ppb v/v			06/12/25 17:59	154
4-Ethyltoluene	31	U	31	10	ppb v/v			06/12/25 17:59	154
1,3,5-Trimethylbenzene	31	U	31	10	ppb v/v			06/12/25 17:59	154
2-Chlorotoluene	31	U	31	8.9	ppb v/v			06/12/25 17:59	154
tert-Butylbenzene	31	U	31	11	ppb v/v			06/12/25 17:59	154
1,2,4-Trimethylbenzene	31	U	31	13	ppb v/v			06/12/25 17:59	154
sec-Butylbenzene	31	U	31	11	ppb v/v			06/12/25 17:59	154
4-Isopropyltoluene	31	U	31	12	ppb v/v			06/12/25 17:59	154
1,3-Dichlorobenzene	31	U	31	9.7	ppb v/v			06/12/25 17:59	154
1,4-Dichlorobenzene	31	U	31	11	ppb v/v			06/12/25 17:59	154
Benzyl chloride	31	U	31	11	ppb v/v			06/12/25 17:59	154
n-Butylbenzene	31	U	31	11	ppb v/v			06/12/25 17:59	154
1,2-Dichlorobenzene	31	U	31	10	ppb v/v			06/12/25 17:59	154
1,2,4-Trichlorobenzene	77	U	77	46	ppb v/v			06/12/25 17:59	154
Hexachlorobutadiene	31	U	31	12	ppb v/v			06/12/25 17:59	154
Naphthalene	59	U	59	17	ppb v/v			06/12/25 17:59	154

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	50	U	50	22	ug/m3			06/12/25 18:51	20.1
Chlorodifluoromethane	36	U	36	26	ug/m3			06/12/25 18:51	20.1
1,2-Dichlorotetrafluoroethane	28	U	28	11	ug/m3			06/12/25 18:51	20.1
Chloromethane	21	U	21	14	ug/m3			06/12/25 18:51	20.1
n-Butane	2700	E	24	15	ug/m3			06/12/25 18:51	20.1
Vinyl chloride	4.0	U	4.0	1.5	ug/m3			06/12/25 18:51	20.1
1,3-Butadiene	2.7	J	8.9	1.8	ug/m3			06/12/25 18:51	20.1
Bromomethane	16	U	16	4.8	ug/m3			06/12/25 18:51	20.1
Chloroethane	27	U	27	8.5	ug/m3			06/12/25 18:51	20.1
Bromoethene(Vinyl Bromide)	18	U	18	4.2	ug/m3			06/12/25 18:51	20.1
Trichlorofluoromethane	23	U	23	8.7	ug/m3			06/12/25 18:51	20.1
1,1,2-Trichlorotrifluoroethane	31	U	31	8.8	ug/m3			06/12/25 18:51	20.1
1,1-Dichloroethene	4.0	U	4.0	2.8	ug/m3			06/12/25 18:51	20.1
Acetone	7400	E	240	91	ug/m3			06/12/25 18:51	20.1
Isopropyl alcohol	250	U	250	110	ug/m3			06/12/25 18:51	20.1
Carbon disulfide	53		31	11	ug/m3			06/12/25 18:51	20.1
3-Chloropropene	31	U	31	5.1	ug/m3			06/12/25 18:51	20.1
Methylene Chloride	35	U	35	13	ug/m3			06/12/25 18:51	20.1
tert-Butyl alcohol	300	U	300	97	ug/m3			06/12/25 18:51	20.1
Methyl tert-butyl ether	14	U	14	4.8	ug/m3			06/12/25 18:51	20.1
trans-1,2-Dichloroethene	16	U	16	1.6	ug/m3			06/12/25 18:51	20.1
n-Hexane	1500		35	11	ug/m3			06/12/25 18:51	20.1
1,1-Dichloroethane	16	U	16	1.5	ug/m3			06/12/25 18:51	20.1

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	540		30	8.3	ug/m3			06/12/25 18:51	20.1
cis-1,2-Dichloroethene	4.0	U	4.0	2.6	ug/m3			06/12/25 18:51	20.1
Chloroform	20	U	20	5.8	ug/m3			06/12/25 18:51	20.1
Tetrahydrofuran	300	U	300	100	ug/m3			06/12/25 18:51	20.1
1,1,1-Trichloroethane	22	U	22	8.0	ug/m3			06/12/25 18:51	20.1
Cyclohexane	45		14	3.6	ug/m3			06/12/25 18:51	20.1
Carbon tetrachloride	4.4	U	4.4	3.0	ug/m3			06/12/25 18:51	20.1
2,2,4-Trimethylpentane	14 J		19	6.7	ug/m3			06/12/25 18:51	20.1
Benzene	3.4 J		13	3.3	ug/m3			06/12/25 18:51	20.1
1,2-Dichloroethane	16	U	16	6.0	ug/m3			06/12/25 18:51	20.1
n-Heptane	500		16	7.1	ug/m3			06/12/25 18:51	20.1
Trichloroethene	3.4 J		4.0	3.1	ug/m3			06/12/25 18:51	20.1
Methyl methacrylate	41	U	41	11	ug/m3			06/12/25 18:51	20.1
1,2-Dichloropropane	19	U	19	5.1	ug/m3			06/12/25 18:51	20.1
1,4-Dioxane	360	U	360	14	ug/m3			06/12/25 18:51	20.1
Bromodichloromethane	27	U	27	7.8	ug/m3			06/12/25 18:51	20.1
cis-1,3-Dichloropropene	18	U	18	5.1	ug/m3			06/12/25 18:51	20.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	U	41	16	ug/m3			06/12/25 18:51	20.1
Toluene	63		15	4.1	ug/m3			06/12/25 18:51	20.1
trans-1,3-Dichloropropene	18	U	18	5.7	ug/m3			06/12/25 18:51	20.1
1,1,2-Trichloroethane	22	U	22	5.8	ug/m3			06/12/25 18:51	20.1
Tetrachloroethene	9.3 J		27	4.9	ug/m3			06/12/25 18:51	20.1
Methyl Butyl Ketone (2-Hexanone)	49		41	16	ug/m3			06/12/25 18:51	20.1
Dibromochloromethane	34	U	34	9.1	ug/m3			06/12/25 18:51	20.1
1,2-Dibromoethane	31	U	31	7.0	ug/m3			06/12/25 18:51	20.1
Chlorobenzene	19	U	19	4.3	ug/m3			06/12/25 18:51	20.1
Ethylbenzene	26		17	4.5	ug/m3			06/12/25 18:51	20.1
m,p-Xylene	48		44	1.2	ug/m3			06/12/25 18:51	20.1
o-Xylene	21		17	6.0	ug/m3			06/12/25 18:51	20.1
Styrene	17	U	17	4.8	ug/m3			06/12/25 18:51	20.1
Bromoform	42	U	42	12	ug/m3			06/12/25 18:51	20.1
Cumene	13 J		20	7.1	ug/m3			06/12/25 18:51	20.1
1,1,2,2-Tetrachloroethane	28	U	28	8.4	ug/m3			06/12/25 18:51	20.1
n-Propylbenzene	20	U	20	6.1	ug/m3			06/12/25 18:51	20.1
4-Ethyltoluene	20	U	20	6.7	ug/m3			06/12/25 18:51	20.1
1,3,5-Trimethylbenzene	20	U	20	6.7	ug/m3			06/12/25 18:51	20.1
2-Chlorotoluene	21	U	21	6.0	ug/m3			06/12/25 18:51	20.1
tert-Butylbenzene	22	U	22	7.7	ug/m3			06/12/25 18:51	20.1
1,2,4-Trimethylbenzene	20	U	20	8.1	ug/m3			06/12/25 18:51	20.1
sec-Butylbenzene	22	U	22	7.9	ug/m3			06/12/25 18:51	20.1
4-Isopropyltoluene	22	U	22	8.6	ug/m3			06/12/25 18:51	20.1
1,3-Dichlorobenzene	24	U	24	7.6	ug/m3			06/12/25 18:51	20.1
1,4-Dichlorobenzene	24	U	24	8.5	ug/m3			06/12/25 18:51	20.1
Benzyl chloride	21	U	21	7.7	ug/m3			06/12/25 18:51	20.1
n-Butylbenzene	22	U	22	7.7	ug/m3			06/12/25 18:51	20.1
1,2-Dichlorobenzene	24	U	24	8.0	ug/m3			06/12/25 18:51	20.1
1,2,4-Trichlorobenzene	75	U	75	45	ug/m3			06/12/25 18:51	20.1
Hexachlorobutadiene	43	U	43	17	ug/m3			06/12/25 18:51	20.1

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	40	U	40	12	ug/m3			06/12/25 18:51	20.1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	10	U	10	4.4	ppb v/v			06/12/25 18:51	20.1
Chlorodifluoromethane	10	U	10	7.2	ppb v/v			06/12/25 18:51	20.1
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	1.5	ppb v/v			06/12/25 18:51	20.1
Chloromethane	10	U	10	6.6	ppb v/v			06/12/25 18:51	20.1
n-Butane	1100	E	10	6.2	ppb v/v			06/12/25 18:51	20.1
Vinyl chloride	1.6	U	1.6	0.58	ppb v/v			06/12/25 18:51	20.1
1,3-Butadiene	1.2	J	4.0	0.80	ppb v/v			06/12/25 18:51	20.1
Bromomethane	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
Chloroethane	10	U	10	3.2	ppb v/v			06/12/25 18:51	20.1
Bromoethene(Vinyl Bromide)	4.0	U	4.0	0.96	ppb v/v			06/12/25 18:51	20.1
Trichlorofluoromethane	4.0	U	4.0	1.5	ppb v/v			06/12/25 18:51	20.1
1,1,2-Trichlorotrifluoroethane	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
1,1-Dichloroethene	1.0	U	1.0	0.70	ppb v/v			06/12/25 18:51	20.1
Acetone	3100	E	100	38	ppb v/v			06/12/25 18:51	20.1
Isopropyl alcohol	100	U	100	44	ppb v/v			06/12/25 18:51	20.1
Carbon disulfide	17		10	3.6	ppb v/v			06/12/25 18:51	20.1
3-Chloropropene	10	U	10	1.6	ppb v/v			06/12/25 18:51	20.1
Methylene Chloride	10	U	10	3.8	ppb v/v			06/12/25 18:51	20.1
tert-Butyl alcohol	100	U	100	32	ppb v/v			06/12/25 18:51	20.1
Methyl tert-butyl ether	4.0	U	4.0	1.3	ppb v/v			06/12/25 18:51	20.1
trans-1,2-Dichloroethene	4.0	U	4.0	0.40	ppb v/v			06/12/25 18:51	20.1
n-Hexane	440		10	3.2	ppb v/v			06/12/25 18:51	20.1
1,1-Dichloroethane	4.0	U	4.0	0.36	ppb v/v			06/12/25 18:51	20.1
Methyl Ethyl Ketone (2-Butanone)	180		10	2.8	ppb v/v			06/12/25 18:51	20.1
cis-1,2-Dichloroethene	1.0	U	1.0	0.64	ppb v/v			06/12/25 18:51	20.1
Chloroform	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
Tetrahydrofuran	100	U	100	34	ppb v/v			06/12/25 18:51	20.1
1,1,1-Trichloroethane	4.0	U	4.0	1.5	ppb v/v			06/12/25 18:51	20.1
Cyclohexane	13		4.0	1.0	ppb v/v			06/12/25 18:51	20.1
Carbon tetrachloride	0.70	U	0.70	0.48	ppb v/v			06/12/25 18:51	20.1
2,2,4-Trimethylpentane	2.9	J	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
Benzene	1.1	J	4.0	1.0	ppb v/v			06/12/25 18:51	20.1
1,2-Dichloroethane	4.0	U	4.0	1.5	ppb v/v			06/12/25 18:51	20.1
n-Heptane	120		4.0	1.7	ppb v/v			06/12/25 18:51	20.1
Trichloroethene	0.63	J	0.75	0.58	ppb v/v			06/12/25 18:51	20.1
Methyl methacrylate	10	U	10	2.6	ppb v/v			06/12/25 18:51	20.1
1,2-Dichloropropane	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
1,4-Dioxane	100	U	100	3.8	ppb v/v			06/12/25 18:51	20.1
Bromodichloromethane	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
cis-1,3-Dichloropropene	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	U	10	3.8	ppb v/v			06/12/25 18:51	20.1
Toluene	17		4.0	1.1	ppb v/v			06/12/25 18:51	20.1
trans-1,3-Dichloropropene	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
1,1,2-Trichloroethane	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
Tetrachloroethene	1.4	J	4.0	0.72	ppb v/v			06/12/25 18:51	20.1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	12		10	4.0	ppb v/v			06/12/25 18:51	20.1
Dibromochloromethane	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
1,2-Dibromoethane	4.0	U	4.0	0.90	ppb v/v			06/12/25 18:51	20.1
Chlorobenzene	4.0	U	4.0	0.94	ppb v/v			06/12/25 18:51	20.1
Ethylbenzene	6.0		4.0	1.0	ppb v/v			06/12/25 18:51	20.1
m,p-Xylene	11		10	0.28	ppb v/v			06/12/25 18:51	20.1
o-Xylene	4.9		4.0	1.4	ppb v/v			06/12/25 18:51	20.1
Styrene	4.0	U	4.0	1.1	ppb v/v			06/12/25 18:51	20.1
Bromoform	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
Cumene	2.7	J	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
n-Propylbenzene	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
4-Ethyltoluene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
1,3,5-Trimethylbenzene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
2-Chlorotoluene	4.0	U	4.0	1.2	ppb v/v			06/12/25 18:51	20.1
tert-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
1,2,4-Trimethylbenzene	4.0	U	4.0	1.6	ppb v/v			06/12/25 18:51	20.1
sec-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
4-Isopropyltoluene	4.0	U	4.0	1.6	ppb v/v			06/12/25 18:51	20.1
1,3-Dichlorobenzene	4.0	U	4.0	1.3	ppb v/v			06/12/25 18:51	20.1
1,4-Dichlorobenzene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
Benzyl chloride	4.0	U	4.0	1.5	ppb v/v			06/12/25 18:51	20.1
n-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/12/25 18:51	20.1
1,2-Dichlorobenzene	4.0	U	4.0	1.3	ppb v/v			06/12/25 18:51	20.1
1,2,4-Trichlorobenzene	10	U	10	6.0	ppb v/v			06/12/25 18:51	20.1
Hexachlorobutadiene	4.0	U	4.0	1.6	ppb v/v			06/12/25 18:51	20.1
Naphthalene	7.7	U	7.7	2.2	ppb v/v			06/12/25 18:51	20.1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	260	U	260	120	ug/m3			06/13/25 22:30	107
Chlorodifluoromethane	190	U	190	140	ug/m3			06/13/25 22:30	107
1,2-Dichlorotetrafluoroethane	150	U	150	57	ug/m3			06/13/25 22:30	107
Chloromethane	110	U	110	73	ug/m3			06/13/25 22:30	107
n-Butane	2700	D	130	79	ug/m3			06/13/25 22:30	107
Vinyl chloride	21	U	21	7.9	ug/m3			06/13/25 22:30	107
1,3-Butadiene	47	U	47	9.5	ug/m3			06/13/25 22:30	107
Bromomethane	83	U	83	26	ug/m3			06/13/25 22:30	107
Chloroethane	140	U	140	45	ug/m3			06/13/25 22:30	107
Bromoethene(Vinyl Bromide)	94	U	94	22	ug/m3			06/13/25 22:30	107
Trichlorofluoromethane	120	U	120	46	ug/m3			06/13/25 22:30	107
1,1,2-Trichlorotrifluoroethane	160	U	160	47	ug/m3			06/13/25 22:30	107
1,1-Dichloroethene	21	U	21	15	ug/m3			06/13/25 22:30	107
Acetone	7400	D	1300	480	ug/m3			06/13/25 22:30	107
Isopropyl alcohol	1300	U	1300	580	ug/m3			06/13/25 22:30	107
Carbon disulfide	170	U	170	60	ug/m3			06/13/25 22:30	107
3-Chloropropene	170	U	170	27	ug/m3			06/13/25 22:30	107
Methylene Chloride	190	U	190	71	ug/m3			06/13/25 22:30	107
tert-Butyl alcohol	1600	U	1600	520	ug/m3			06/13/25 22:30	107

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	77	U	77	25	ug/m3			06/13/25 22:30	107
trans-1,2-Dichloroethene	85	U	85	8.5	ug/m3			06/13/25 22:30	107
n-Hexane	1500	D	190	60	ug/m3			06/13/25 22:30	107
1,1-Dichloroethane	87	U	87	7.8	ug/m3			06/13/25 22:30	107
Methyl Ethyl Ketone (2-Butanone)	460	D	160	44	ug/m3			06/13/25 22:30	107
cis-1,2-Dichloroethene	21	U	21	14	ug/m3			06/13/25 22:30	107
Chloroform	100	U	100	31	ug/m3			06/13/25 22:30	107
Tetrahydrofuran	1600	U	1600	540	ug/m3			06/13/25 22:30	107
1,1,1-Trichloroethane	120	U	120	43	ug/m3			06/13/25 22:30	107
Cyclohexane	42	J D	74	19	ug/m3			06/13/25 22:30	107
Carbon tetrachloride	24	U	24	16	ug/m3			06/13/25 22:30	107
2,2,4-Trimethylpentane	100	U	100	35	ug/m3			06/13/25 22:30	107
Benzene	68	U	68	17	ug/m3			06/13/25 22:30	107
1,2-Dichloroethane	87	U	87	32	ug/m3			06/13/25 22:30	107
n-Heptane	450	D	88	38	ug/m3			06/13/25 22:30	107
Trichloroethene	21	U	21	17	ug/m3			06/13/25 22:30	107
Methyl methacrylate	220	U	220	57	ug/m3			06/13/25 22:30	107
1,2-Dichloropropane	99	U	99	27	ug/m3			06/13/25 22:30	107
1,4-Dioxane	1900	U	1900	73	ug/m3			06/13/25 22:30	107
Bromodichloromethane	140	U	140	42	ug/m3			06/13/25 22:30	107
cis-1,3-Dichloropropene	97	U	97	27	ug/m3			06/13/25 22:30	107
4-Methyl-2-pentanone (Methyl isobutyl ketone)	220	U	220	83	ug/m3			06/13/25 22:30	107
Toluene	58	J D	81	22	ug/m3			06/13/25 22:30	107
trans-1,3-Dichloropropene	97	U	97	30	ug/m3			06/13/25 22:30	107
1,1,2-Trichloroethane	120	U	120	31	ug/m3			06/13/25 22:30	107
Tetrachloroethene	150	U	150	26	ug/m3			06/13/25 22:30	107
Methyl Butyl Ketone (2-Hexanone)	220	U	220	88	ug/m3			06/13/25 22:30	107
Dibromochloromethane	180	U	180	48	ug/m3			06/13/25 22:30	107
1,2-Dibromoethane	160	U	160	37	ug/m3			06/13/25 22:30	107
Chlorobenzene	99	U	99	23	ug/m3			06/13/25 22:30	107
Ethylbenzene	24	J D	93	24	ug/m3			06/13/25 22:30	107
m,p-Xylene	43	J D	230	6.5	ug/m3			06/13/25 22:30	107
o-Xylene	93	U	93	32	ug/m3			06/13/25 22:30	107
Styrene	91	U	91	26	ug/m3			06/13/25 22:30	107
Bromoform	220	U	220	64	ug/m3			06/13/25 22:30	107
Cumene	110	U	110	38	ug/m3			06/13/25 22:30	107
1,1,2,2-Tetrachloroethane	150	U	150	45	ug/m3			06/13/25 22:30	107
n-Propylbenzene	110	U	110	33	ug/m3			06/13/25 22:30	107
4-Ethyltoluene	110	U	110	36	ug/m3			06/13/25 22:30	107
1,3,5-Trimethylbenzene	110	U	110	36	ug/m3			06/13/25 22:30	107
2-Chlorotoluene	110	U	110	32	ug/m3			06/13/25 22:30	107
tert-Butylbenzene	120	U	120	41	ug/m3			06/13/25 22:30	107
1,2,4-Trimethylbenzene	110	U	110	43	ug/m3			06/13/25 22:30	107
sec-Butylbenzene	120	U	120	42	ug/m3			06/13/25 22:30	107
4-Isopropyltoluene	120	U	120	46	ug/m3			06/13/25 22:30	107
1,3-Dichlorobenzene	130	U	130	41	ug/m3			06/13/25 22:30	107
1,4-Dichlorobenzene	130	U	130	45	ug/m3			06/13/25 22:30	107
Benzyl chloride	110	U	110	41	ug/m3			06/13/25 22:30	107

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	120	U	120	41	ug/m3			06/13/25 22:30	107
1,2-Dichlorobenzene	130	U	130	42	ug/m3			06/13/25 22:30	107
1,2,4-Trichlorobenzene	400	U	400	240	ug/m3			06/13/25 22:30	107
Hexachlorobutadiene	230	U	230	89	ug/m3			06/13/25 22:30	107
Naphthalene	210	U	210	62	ug/m3			06/13/25 22:30	107
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	54	U	54	24	ppb v/v			06/13/25 22:30	107
Chlorodifluoromethane	54	U	54	39	ppb v/v			06/13/25 22:30	107
1,2-Dichlorotetrafluoroethane	21	U	21	8.1	ppb v/v			06/13/25 22:30	107
Chloromethane	54	U	54	35	ppb v/v			06/13/25 22:30	107
n-Butane	1100	D	54	33	ppb v/v			06/13/25 22:30	107
Vinyl chloride	8.4	U	8.4	3.1	ppb v/v			06/13/25 22:30	107
1,3-Butadiene	21	U	21	4.3	ppb v/v			06/13/25 22:30	107
Bromomethane	21	U	21	6.6	ppb v/v			06/13/25 22:30	107
Chloroethane	54	U	54	17	ppb v/v			06/13/25 22:30	107
Bromoethene(Vinyl Bromide)	21	U	21	5.1	ppb v/v			06/13/25 22:30	107
Trichlorofluoromethane	21	U	21	8.2	ppb v/v			06/13/25 22:30	107
1,1,2-Trichlorotrifluoroethane	21	U	21	6.1	ppb v/v			06/13/25 22:30	107
1,1-Dichloroethene	5.4	U	5.4	3.7	ppb v/v			06/13/25 22:30	107
Acetone	3100	D	540	200	ppb v/v			06/13/25 22:30	107
Isopropyl alcohol	540	U	540	240	ppb v/v			06/13/25 22:30	107
Carbon disulfide	54	U	54	19	ppb v/v			06/13/25 22:30	107
3-Chloropropene	54	U	54	8.7	ppb v/v			06/13/25 22:30	107
Methylene Chloride	54	U	54	20	ppb v/v			06/13/25 22:30	107
tert-Butyl alcohol	540	U	540	170	ppb v/v			06/13/25 22:30	107
Methyl tert-butyl ether	21	U	21	7.1	ppb v/v			06/13/25 22:30	107
trans-1,2-Dichloroethene	21	U	21	2.1	ppb v/v			06/13/25 22:30	107
n-Hexane	410	D	54	17	ppb v/v			06/13/25 22:30	107
1,1-Dichloroethane	21	U	21	1.9	ppb v/v			06/13/25 22:30	107
Methyl Ethyl Ketone (2-Butanone)	150	D	54	15	ppb v/v			06/13/25 22:30	107
cis-1,2-Dichloroethene	5.4	U	5.4	3.4	ppb v/v			06/13/25 22:30	107
Chloroform	21	U	21	6.3	ppb v/v			06/13/25 22:30	107
Tetrahydrofuran	540	U	540	180	ppb v/v			06/13/25 22:30	107
1,1,1-Trichloroethane	21	U	21	7.8	ppb v/v			06/13/25 22:30	107
Cyclohexane	12	J D	21	5.6	ppb v/v			06/13/25 22:30	107
Carbon tetrachloride	3.7	U	3.7	2.6	ppb v/v			06/13/25 22:30	107
2,2,4-Trimethylpentane	21	U	21	7.6	ppb v/v			06/13/25 22:30	107
Benzene	21	U	21	5.5	ppb v/v			06/13/25 22:30	107
1,2-Dichloroethane	21	U	21	7.9	ppb v/v			06/13/25 22:30	107
n-Heptane	110	D	21	9.2	ppb v/v			06/13/25 22:30	107
Trichloroethene	4.0	U	4.0	3.1	ppb v/v			06/13/25 22:30	107
Methyl methacrylate	54	U	54	14	ppb v/v			06/13/25 22:30	107
1,2-Dichloropropane	21	U	21	5.9	ppb v/v			06/13/25 22:30	107
1,4-Dioxane	540	U	540	20	ppb v/v			06/13/25 22:30	107
Bromodichloromethane	21	U	21	6.2	ppb v/v			06/13/25 22:30	107
cis-1,3-Dichloropropene	21	U	21	6.0	ppb v/v			06/13/25 22:30	107
4-Methyl-2-pentanone (Methyl isobutyl ketone)	54	U	54	20	ppb v/v			06/13/25 22:30	107

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	15	J D	21	5.8	ppb v/v			06/13/25 22:30	107
trans-1,3-Dichloropropene	21	U	21	6.6	ppb v/v			06/13/25 22:30	107
1,1,2-Trichloroethane	21	U	21	5.7	ppb v/v			06/13/25 22:30	107
Tetrachloroethene	21	U	21	3.9	ppb v/v			06/13/25 22:30	107
Methyl Butyl Ketone (2-Hexanone)	54	U	54	21	ppb v/v			06/13/25 22:30	107
Dibromochloromethane	21	U	21	5.7	ppb v/v			06/13/25 22:30	107
1,2-Dibromoethane	21	U	21	4.8	ppb v/v			06/13/25 22:30	107
Chlorobenzene	21	U	21	5.0	ppb v/v			06/13/25 22:30	107
Ethylbenzene	5.4	J D	21	5.5	ppb v/v			06/13/25 22:30	107
m,p-Xylene	10	J D	54	1.5	ppb v/v			06/13/25 22:30	107
o-Xylene	21	U	21	7.4	ppb v/v			06/13/25 22:30	107
Styrene	21	U	21	6.0	ppb v/v			06/13/25 22:30	107
Bromoform	21	U	21	6.2	ppb v/v			06/13/25 22:30	107
Cumene	21	U	21	7.7	ppb v/v			06/13/25 22:30	107
1,1,2,2-Tetrachloroethane	21	U	21	6.5	ppb v/v			06/13/25 22:30	107
n-Propylbenzene	21	U	21	6.6	ppb v/v			06/13/25 22:30	107
4-Ethyltoluene	21	U	21	7.3	ppb v/v			06/13/25 22:30	107
1,3,5-Trimethylbenzene	21	U	21	7.3	ppb v/v			06/13/25 22:30	107
2-Chlorotoluene	21	U	21	6.2	ppb v/v			06/13/25 22:30	107
tert-Butylbenzene	21	U	21	7.5	ppb v/v			06/13/25 22:30	107
1,2,4-Trimethylbenzene	21	U	21	8.8	ppb v/v			06/13/25 22:30	107
sec-Butylbenzene	21	U	21	7.7	ppb v/v			06/13/25 22:30	107
4-Isopropyltoluene	21	U	21	8.3	ppb v/v			06/13/25 22:30	107
1,3-Dichlorobenzene	21	U	21	6.7	ppb v/v			06/13/25 22:30	107
1,4-Dichlorobenzene	21	U	21	7.5	ppb v/v			06/13/25 22:30	107
Benzyl chloride	21	U	21	7.9	ppb v/v			06/13/25 22:30	107
n-Butylbenzene	21	U	21	7.5	ppb v/v			06/13/25 22:30	107
1,2-Dichlorobenzene	21	U	21	7.1	ppb v/v			06/13/25 22:30	107
1,2,4-Trichlorobenzene	54	U	54	32	ppb v/v			06/13/25 22:30	107
Hexachlorobutadiene	21	U	21	8.3	ppb v/v			06/13/25 22:30	107
Naphthalene	41	U	41	12	ppb v/v			06/13/25 22:30	107

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	62	U	62	27	ug/m3			06/13/25 23:21	25.2
Chlorodifluoromethane	45	U	45	32	ug/m3			06/13/25 23:21	25.2
1,2-Dichlorotetrafluoroethane	35	U	35	13	ug/m3			06/13/25 23:21	25.2
Chloromethane	26	U	26	17	ug/m3			06/13/25 23:21	25.2
n-Butane	430		30	19	ug/m3			06/13/25 23:21	25.2
Vinyl chloride	5.0	U	5.0	1.9	ug/m3			06/13/25 23:21	25.2
1,3-Butadiene	4.0	J	11	2.2	ug/m3			06/13/25 23:21	25.2
Bromomethane	20	U	20	6.1	ug/m3			06/13/25 23:21	25.2
Chloroethane	33	U	33	11	ug/m3			06/13/25 23:21	25.2
Bromoethene(Vinyl Bromide)	22	U	22	5.3	ug/m3			06/13/25 23:21	25.2

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	28	U	28	11	ug/m3			06/13/25 23:21	25.2
1,1,2-Trichlorotrifluoroethane	39	U	39	11	ug/m3			06/13/25 23:21	25.2
1,1-Dichloroethene	5.0	U	5.0	3.5	ug/m3			06/13/25 23:21	25.2
Acetone	18000	E	300	110	ug/m3			06/13/25 23:21	25.2
Isopropyl alcohol	460		310	140	ug/m3			06/13/25 23:21	25.2
Carbon disulfide	39	U	39	14	ug/m3			06/13/25 23:21	25.2
3-Chloropropene	39	U	39	6.4	ug/m3			06/13/25 23:21	25.2
Methylene Chloride	44	U	44	17	ug/m3			06/13/25 23:21	25.2
tert-Butyl alcohol	120	J	380	120	ug/m3			06/13/25 23:21	25.2
Methyl tert-butyl ether	18	U	18	6.0	ug/m3			06/13/25 23:21	25.2
trans-1,2-Dichloroethene	20	U	20	2.0	ug/m3			06/13/25 23:21	25.2
n-Hexane	150		44	14	ug/m3			06/13/25 23:21	25.2
1,1-Dichloroethane	20	U	20	1.8	ug/m3			06/13/25 23:21	25.2
Methyl Ethyl Ketone (2-Butanone)	780		37	10	ug/m3			06/13/25 23:21	25.2
cis-1,2-Dichloroethene	5.0	U	5.0	3.2	ug/m3			06/13/25 23:21	25.2
Chloroform	25	U	25	7.3	ug/m3			06/13/25 23:21	25.2
Tetrahydrofuran	370	U	370	130	ug/m3			06/13/25 23:21	25.2
1,1,1-Trichloroethane	28	U	28	10	ug/m3			06/13/25 23:21	25.2
Cyclohexane	35		17	4.5	ug/m3			06/13/25 23:21	25.2
Carbon tetrachloride	5.5	U	5.5	3.8	ug/m3			06/13/25 23:21	25.2
2,2,4-Trimethylpentane	11	J	24	8.4	ug/m3			06/13/25 23:21	25.2
Benzene	16	U	16	4.1	ug/m3			06/13/25 23:21	25.2
1,2-Dichloroethane	20	U	20	7.5	ug/m3			06/13/25 23:21	25.2
n-Heptane	54		21	8.9	ug/m3			06/13/25 23:21	25.2
Trichloroethene	5.0	U	5.0	3.9	ug/m3			06/13/25 23:21	25.2
Methyl methacrylate	52	U	52	13	ug/m3			06/13/25 23:21	25.2
1,2-Dichloropropane	23	U	23	6.4	ug/m3			06/13/25 23:21	25.2
1,4-Dioxane	450	U	450	17	ug/m3			06/13/25 23:21	25.2
Bromodichloromethane	34	U	34	9.8	ug/m3			06/13/25 23:21	25.2
cis-1,3-Dichloropropene	23	U	23	6.4	ug/m3			06/13/25 23:21	25.2
4-Methyl-2-pentanone (Methyl isobutyl ketone)	52	U	52	20	ug/m3			06/13/25 23:21	25.2
Toluene	29		19	5.1	ug/m3			06/13/25 23:21	25.2
trans-1,3-Dichloropropene	23	U	23	7.1	ug/m3			06/13/25 23:21	25.2
1,1,2-Trichloroethane	28	U	28	7.3	ug/m3			06/13/25 23:21	25.2
Tetrachloroethene	97		34	6.2	ug/m3			06/13/25 23:21	25.2
Methyl Butyl Ketone (2-Hexanone)	42	J	52	21	ug/m3			06/13/25 23:21	25.2
Dibromochloromethane	43	U	43	11	ug/m3			06/13/25 23:21	25.2
1,2-Dibromoethane	39	U	39	8.7	ug/m3			06/13/25 23:21	25.2
Chlorobenzene	23	U	23	5.5	ug/m3			06/13/25 23:21	25.2
Ethylbenzene	15	J	22	5.6	ug/m3			06/13/25 23:21	25.2
m,p-Xylene	44	J	55	1.5	ug/m3			06/13/25 23:21	25.2
o-Xylene	13	J	22	7.6	ug/m3			06/13/25 23:21	25.2
Styrene	21	U	21	6.0	ug/m3			06/13/25 23:21	25.2
Bromoform	52	U	52	15	ug/m3			06/13/25 23:21	25.2
Cumene	25	U	25	8.9	ug/m3			06/13/25 23:21	25.2
1,1,2,2-Tetrachloroethane	35	U	35	11	ug/m3			06/13/25 23:21	25.2
n-Propylbenzene	25	U	25	7.7	ug/m3			06/13/25 23:21	25.2
4-Ethyltoluene	25	U	25	8.4	ug/m3			06/13/25 23:21	25.2

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	25	U	25	8.4	ug/m3			06/13/25 23:21	25.2
2-Chlorotoluene	26	U	26	7.6	ug/m3			06/13/25 23:21	25.2
tert-Butylbenzene	28	U	28	9.7	ug/m3			06/13/25 23:21	25.2
1,2,4-Trimethylbenzene	25	U	25	10	ug/m3			06/13/25 23:21	25.2
sec-Butylbenzene	28	U	28	10	ug/m3			06/13/25 23:21	25.2
4-Isopropyltoluene	28	U	28	11	ug/m3			06/13/25 23:21	25.2
1,3-Dichlorobenzene	30	U	30	9.5	ug/m3			06/13/25 23:21	25.2
1,4-Dichlorobenzene	30	U	30	11	ug/m3			06/13/25 23:21	25.2
Benzyl chloride	26	U	26	9.7	ug/m3			06/13/25 23:21	25.2
n-Butylbenzene	28	U	28	9.7	ug/m3			06/13/25 23:21	25.2
1,2-Dichlorobenzene	30	U	30	10	ug/m3			06/13/25 23:21	25.2
1,2,4-Trichlorobenzene	94	U	94	56	ug/m3			06/13/25 23:21	25.2
Hexachlorobutadiene	54	U	54	21	ug/m3			06/13/25 23:21	25.2
Naphthalene	50	U	50	15	ug/m3			06/13/25 23:21	25.2
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	13	U	13	5.5	ppb v/v			06/13/25 23:21	25.2
Chlorodifluoromethane	13	U	13	9.1	ppb v/v			06/13/25 23:21	25.2
1,2-Dichlorotetrafluoroethane	5.0	U	5.0	1.9	ppb v/v			06/13/25 23:21	25.2
Chloromethane	13	U	13	8.3	ppb v/v			06/13/25 23:21	25.2
n-Butane	180		13	7.8	ppb v/v			06/13/25 23:21	25.2
Vinyl chloride	2.0	U	2.0	0.73	ppb v/v			06/13/25 23:21	25.2
1,3-Butadiene	1.8	J	5.0	1.0	ppb v/v			06/13/25 23:21	25.2
Bromomethane	5.0	U	5.0	1.6	ppb v/v			06/13/25 23:21	25.2
Chloroethane	13	U	13	4.0	ppb v/v			06/13/25 23:21	25.2
Bromoethene(Vinyl Bromide)	5.0	U	5.0	1.2	ppb v/v			06/13/25 23:21	25.2
Trichlorofluoromethane	5.0	U	5.0	1.9	ppb v/v			06/13/25 23:21	25.2
1,1,2-Trichlorotrifluoroethane	5.0	U	5.0	1.4	ppb v/v			06/13/25 23:21	25.2
1,1-Dichloroethene	1.3	U	1.3	0.88	ppb v/v			06/13/25 23:21	25.2
Acetone	7400	E	130	48	ppb v/v			06/13/25 23:21	25.2
Isopropyl alcohol	190		130	55	ppb v/v			06/13/25 23:21	25.2
Carbon disulfide	13	U	13	4.5	ppb v/v			06/13/25 23:21	25.2
3-Chloropropene	13	U	13	2.0	ppb v/v			06/13/25 23:21	25.2
Methylene Chloride	13	U	13	4.8	ppb v/v			06/13/25 23:21	25.2
tert-Butyl alcohol	41	J	130	40	ppb v/v			06/13/25 23:21	25.2
Methyl tert-butyl ether	5.0	U	5.0	1.7	ppb v/v			06/13/25 23:21	25.2
trans-1,2-Dichloroethene	5.0	U	5.0	0.50	ppb v/v			06/13/25 23:21	25.2
n-Hexane	44		13	4.0	ppb v/v			06/13/25 23:21	25.2
1,1-Dichloroethane	5.0	U	5.0	0.45	ppb v/v			06/13/25 23:21	25.2
Methyl Ethyl Ketone (2-Butanone)	270		13	3.5	ppb v/v			06/13/25 23:21	25.2
cis-1,2-Dichloroethene	1.3	U	1.3	0.81	ppb v/v			06/13/25 23:21	25.2
Chloroform	5.0	U	5.0	1.5	ppb v/v			06/13/25 23:21	25.2
Tetrahydrofuran	130	U	130	43	ppb v/v			06/13/25 23:21	25.2
1,1,1-Trichloroethane	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
Cyclohexane	10		5.0	1.3	ppb v/v			06/13/25 23:21	25.2
Carbon tetrachloride	0.88	U	0.88	0.60	ppb v/v			06/13/25 23:21	25.2
2,2,4-Trimethylpentane	2.3	J	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
Benzene	5.0	U	5.0	1.3	ppb v/v			06/13/25 23:21	25.2
1,2-Dichloroethane	5.0	U	5.0	1.9	ppb v/v			06/13/25 23:21	25.2

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	13		5.0	2.2	ppb v/v			06/13/25 23:21	25.2
Trichloroethene	0.94	U	0.94	0.73	ppb v/v			06/13/25 23:21	25.2
Methyl methacrylate	13	U	13	3.3	ppb v/v			06/13/25 23:21	25.2
1,2-Dichloropropane	5.0	U	5.0	1.4	ppb v/v			06/13/25 23:21	25.2
1,4-Dioxane	130	U	130	4.8	ppb v/v			06/13/25 23:21	25.2
Bromodichloromethane	5.0	U	5.0	1.5	ppb v/v			06/13/25 23:21	25.2
cis-1,3-Dichloropropene	5.0	U	5.0	1.4	ppb v/v			06/13/25 23:21	25.2
4-Methyl-2-pentanone (Methyl isobutyl ketone)	13	U	13	4.8	ppb v/v			06/13/25 23:21	25.2
Toluene	7.7		5.0	1.4	ppb v/v			06/13/25 23:21	25.2
trans-1,3-Dichloropropene	5.0	U	5.0	1.6	ppb v/v			06/13/25 23:21	25.2
1,1,2-Trichloroethane	5.0	U	5.0	1.3	ppb v/v			06/13/25 23:21	25.2
Tetrachloroethene	14		5.0	0.91	ppb v/v			06/13/25 23:21	25.2
Methyl Butyl Ketone (2-Hexanone)	10 J		13	5.0	ppb v/v			06/13/25 23:21	25.2
Dibromochloromethane	5.0	U	5.0	1.3	ppb v/v			06/13/25 23:21	25.2
1,2-Dibromoethane	5.0	U	5.0	1.1	ppb v/v			06/13/25 23:21	25.2
Chlorobenzene	5.0	U	5.0	1.2	ppb v/v			06/13/25 23:21	25.2
Ethylbenzene	3.3 J		5.0	1.3	ppb v/v			06/13/25 23:21	25.2
m,p-Xylene	10 J		13	0.35	ppb v/v			06/13/25 23:21	25.2
o-Xylene	2.9 J		5.0	1.7	ppb v/v			06/13/25 23:21	25.2
Styrene	5.0	U	5.0	1.4	ppb v/v			06/13/25 23:21	25.2
Bromoform	5.0	U	5.0	1.5	ppb v/v			06/13/25 23:21	25.2
Cumene	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.5	ppb v/v			06/13/25 23:21	25.2
n-Propylbenzene	5.0	U	5.0	1.6	ppb v/v			06/13/25 23:21	25.2
4-Ethyltoluene	5.0	U	5.0	1.7	ppb v/v			06/13/25 23:21	25.2
1,3,5-Trimethylbenzene	5.0	U	5.0	1.7	ppb v/v			06/13/25 23:21	25.2
2-Chlorotoluene	5.0	U	5.0	1.5	ppb v/v			06/13/25 23:21	25.2
tert-Butylbenzene	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
1,2,4-Trimethylbenzene	5.0	U	5.0	2.1	ppb v/v			06/13/25 23:21	25.2
sec-Butylbenzene	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
4-Isopropyltoluene	5.0	U	5.0	2.0	ppb v/v			06/13/25 23:21	25.2
1,3-Dichlorobenzene	5.0	U	5.0	1.6	ppb v/v			06/13/25 23:21	25.2
1,4-Dichlorobenzene	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
Benzyl chloride	5.0	U	5.0	1.9	ppb v/v			06/13/25 23:21	25.2
n-Butylbenzene	5.0	U	5.0	1.8	ppb v/v			06/13/25 23:21	25.2
1,2-Dichlorobenzene	5.0	U	5.0	1.7	ppb v/v			06/13/25 23:21	25.2
1,2,4-Trichlorobenzene	13	U	13	7.6	ppb v/v			06/13/25 23:21	25.2
Hexachlorobutadiene	5.0	U	5.0	2.0	ppb v/v			06/13/25 23:21	25.2
Naphthalene	9.6	U	9.6	2.8	ppb v/v			06/13/25 23:21	25.2

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	640	U	640	280	ug/m3			06/16/25 14:21	257
Chlorodifluoromethane	450	U	450	330	ug/m3			06/16/25 14:21	257
1,2-Dichlorotetrafluoroethane	360	U	360	140	ug/m3			06/16/25 14:21	257
Chloromethane	270	U	270	180	ug/m3			06/16/25 14:21	257
n-Butane	420 D		310	190	ug/m3			06/16/25 14:21	257
Vinyl chloride	51	U	51	19	ug/m3			06/16/25 14:21	257

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	110	U	110	23	ug/m3			06/16/25 14:21	257
Bromomethane	200	U	200	62	ug/m3			06/16/25 14:21	257
Chloroethane	340	U	340	110	ug/m3			06/16/25 14:21	257
Bromoethene(Vinyl Bromide)	220	U	220	54	ug/m3			06/16/25 14:21	257
Trichlorofluoromethane	290	U	290	110	ug/m3			06/16/25 14:21	257
1,1,2-Trichlorotrifluoroethane	390	U	390	110	ug/m3			06/16/25 14:21	257
1,1-Dichloroethene	51	U	51	36	ug/m3			06/16/25 14:21	257
Acetone	14000	D	3100	1200	ug/m3			06/16/25 14:21	257
Isopropyl alcohol	3200	U	3200	1400	ug/m3			06/16/25 14:21	257
Carbon disulfide	400	U	400	140	ug/m3			06/16/25 14:21	257
3-Chloropropene	400	U	400	65	ug/m3			06/16/25 14:21	257
Methylene Chloride	450	U	450	170	ug/m3			06/16/25 14:21	257
tert-Butyl alcohol	3900	U	3900	1200	ug/m3			06/16/25 14:21	257
Methyl tert-butyl ether	190	U	190	61	ug/m3			06/16/25 14:21	257
trans-1,2-Dichloroethene	200	U	200	20	ug/m3			06/16/25 14:21	257
n-Hexane	140	J D	450	140	ug/m3			06/16/25 14:21	257
1,1-Dichloroethane	210	U	210	19	ug/m3			06/16/25 14:21	257
Methyl Ethyl Ketone (2-Butanone)	410	D	380	110	ug/m3			06/16/25 14:21	257
cis-1,2-Dichloroethene	51	U	51	33	ug/m3			06/16/25 14:21	257
Chloroform	250	U	250	74	ug/m3			06/16/25 14:21	257
Tetrahydrofuran	3800	U	3800	1300	ug/m3			06/16/25 14:21	257
1,1,1-Trichloroethane	280	U	280	100	ug/m3			06/16/25 14:21	257
Cyclohexane	180	U	180	46	ug/m3			06/16/25 14:21	257
Carbon tetrachloride	57	U	57	39	ug/m3			06/16/25 14:21	257
2,2,4-Trimethylpentane	240	U	240	85	ug/m3			06/16/25 14:21	257
Benzene	160	U	160	42	ug/m3			06/16/25 14:21	257
1,2-Dichloroethane	210	U	210	77	ug/m3			06/16/25 14:21	257
n-Heptane	210	U	210	91	ug/m3			06/16/25 14:21	257
Trichloroethene	51	U	51	40	ug/m3			06/16/25 14:21	257
Methyl methacrylate	530	U	530	140	ug/m3			06/16/25 14:21	257
1,2-Dichloropropane	240	U	240	65	ug/m3			06/16/25 14:21	257
1,4-Dioxane	4600	U	4600	180	ug/m3			06/16/25 14:21	257
Bromodichloromethane	340	U	340	100	ug/m3			06/16/25 14:21	257
cis-1,3-Dichloropropene	230	U	230	65	ug/m3			06/16/25 14:21	257
4-Methyl-2-pentanone (Methyl isobutyl ketone)	530	U	530	200	ug/m3			06/16/25 14:21	257
Toluene	190	U	190	52	ug/m3			06/16/25 14:21	257
trans-1,3-Dichloropropene	230	U	230	72	ug/m3			06/16/25 14:21	257
1,1,2-Trichloroethane	280	U	280	74	ug/m3			06/16/25 14:21	257
Tetrachloroethene	93	J D	350	63	ug/m3			06/16/25 14:21	257
Methyl Butyl Ketone (2-Hexanone)	530	U	530	210	ug/m3			06/16/25 14:21	257
Dibromochloromethane	440	U	440	120	ug/m3			06/16/25 14:21	257
1,2-Dibromoethane	390	U	390	89	ug/m3			06/16/25 14:21	257
Chlorobenzene	240	U	240	56	ug/m3			06/16/25 14:21	257
Ethylbenzene	220	U	220	57	ug/m3			06/16/25 14:21	257
m,p-Xylene	37	J D	560	16	ug/m3			06/16/25 14:21	257
o-Xylene	220	U	220	77	ug/m3			06/16/25 14:21	257
Styrene	220	U	220	61	ug/m3			06/16/25 14:21	257
Bromoform	530	U	530	150	ug/m3			06/16/25 14:21	257

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	250	U	250	91	ug/m3			06/16/25 14:21	257
1,1,2,2-Tetrachloroethane	350	U	350	110	ug/m3			06/16/25 14:21	257
n-Propylbenzene	250	U	250	78	ug/m3			06/16/25 14:21	257
4-Ethyltoluene	250	U	250	86	ug/m3			06/16/25 14:21	257
1,3,5-Trimethylbenzene	250	U	250	86	ug/m3			06/16/25 14:21	257
2-Chlorotoluene	270	U	270	77	ug/m3			06/16/25 14:21	257
tert-Butylbenzene	280	U	280	99	ug/m3			06/16/25 14:21	257
1,2,4-Trimethylbenzene	250	U	250	100	ug/m3			06/16/25 14:21	257
sec-Butylbenzene	280	U	280	100	ug/m3			06/16/25 14:21	257
4-Isopropyltoluene	280	U	280	110	ug/m3			06/16/25 14:21	257
1,3-Dichlorobenzene	310	U	310	97	ug/m3			06/16/25 14:21	257
1,4-Dichlorobenzene	310	U	310	110	ug/m3			06/16/25 14:21	257
Benzyl chloride	270	U	270	98	ug/m3			06/16/25 14:21	257
n-Butylbenzene	280	U	280	99	ug/m3			06/16/25 14:21	257
1,2-Dichlorobenzene	310	U	310	100	ug/m3			06/16/25 14:21	257
1,2,4-Trichlorobenzene	950	U	950	570	ug/m3			06/16/25 14:21	257
Hexachlorobutadiene	550	U	550	210	ug/m3			06/16/25 14:21	257
Naphthalene	510	U	510	150	ug/m3			06/16/25 14:21	257
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	130	U	130	57	ppb v/v			06/16/25 14:21	257
Chlorodifluoromethane	130	U	130	93	ppb v/v			06/16/25 14:21	257
1,2-Dichlorotetrafluoroethane	51	U	51	20	ppb v/v			06/16/25 14:21	257
Chloromethane	130	U	130	85	ppb v/v			06/16/25 14:21	257
n-Butane	180	D	130	80	ppb v/v			06/16/25 14:21	257
Vinyl chloride	20	U	20	7.5	ppb v/v			06/16/25 14:21	257
1,3-Butadiene	51	U	51	10	ppb v/v			06/16/25 14:21	257
Bromomethane	51	U	51	16	ppb v/v			06/16/25 14:21	257
Chloroethane	130	U	130	41	ppb v/v			06/16/25 14:21	257
Bromoethene(Vinyl Bromide)	51	U	51	12	ppb v/v			06/16/25 14:21	257
Trichlorofluoromethane	51	U	51	20	ppb v/v			06/16/25 14:21	257
1,1,2-Trichlorotrifluoroethane	51	U	51	15	ppb v/v			06/16/25 14:21	257
1,1-Dichloroethene	13	U	13	9.0	ppb v/v			06/16/25 14:21	257
Acetone	6000	D	1300	490	ppb v/v			06/16/25 14:21	257
Isopropyl alcohol	1300	U	1300	570	ppb v/v			06/16/25 14:21	257
Carbon disulfide	130	U	130	46	ppb v/v			06/16/25 14:21	257
3-Chloropropene	130	U	130	21	ppb v/v			06/16/25 14:21	257
Methylene Chloride	130	U	130	49	ppb v/v			06/16/25 14:21	257
tert-Butyl alcohol	1300	U	1300	410	ppb v/v			06/16/25 14:21	257
Methyl tert-butyl ether	51	U	51	17	ppb v/v			06/16/25 14:21	257
trans-1,2-Dichloroethene	51	U	51	5.1	ppb v/v			06/16/25 14:21	257
n-Hexane	39	J D	130	41	ppb v/v			06/16/25 14:21	257
1,1-Dichloroethane	51	U	51	4.6	ppb v/v			06/16/25 14:21	257
Methyl Ethyl Ketone (2-Butanone)	140	D	130	36	ppb v/v			06/16/25 14:21	257
cis-1,2-Dichloroethene	13	U	13	8.2	ppb v/v			06/16/25 14:21	257
Chloroform	51	U	51	15	ppb v/v			06/16/25 14:21	257
Tetrahydrofuran	1300	U	1300	440	ppb v/v			06/16/25 14:21	257
1,1,1-Trichloroethane	51	U	51	19	ppb v/v			06/16/25 14:21	257
Cyclohexane	51	U	51	13	ppb v/v			06/16/25 14:21	257

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	9.0	U	9.0	6.2	ppb v/v			06/16/25 14:21	257
2,2,4-Trimethylpentane	51	U	51	18	ppb v/v			06/16/25 14:21	257
Benzene	51	U	51	13	ppb v/v			06/16/25 14:21	257
1,2-Dichloroethane	51	U	51	19	ppb v/v			06/16/25 14:21	257
n-Heptane	51	U	51	22	ppb v/v			06/16/25 14:21	257
Trichloroethene	9.6	U	9.6	7.5	ppb v/v			06/16/25 14:21	257
Methyl methacrylate	130	U	130	33	ppb v/v			06/16/25 14:21	257
1,2-Dichloropropane	51	U	51	14	ppb v/v			06/16/25 14:21	257
1,4-Dioxane	1300	U	1300	49	ppb v/v			06/16/25 14:21	257
Bromodichloromethane	51	U	51	15	ppb v/v			06/16/25 14:21	257
cis-1,3-Dichloropropene	51	U	51	14	ppb v/v			06/16/25 14:21	257
4-Methyl-2-pentanone (Methyl isobutyl ketone)	130	U	130	49	ppb v/v			06/16/25 14:21	257
Toluene	51	U	51	14	ppb v/v			06/16/25 14:21	257
trans-1,3-Dichloropropene	51	U	51	16	ppb v/v			06/16/25 14:21	257
1,1,2-Trichloroethane	51	U	51	14	ppb v/v			06/16/25 14:21	257
Tetrachloroethene	14	J D	51	9.3	ppb v/v			06/16/25 14:21	257
Methyl Butyl Ketone (2-Hexanone)	130	U	130	51	ppb v/v			06/16/25 14:21	257
Dibromochloromethane	51	U	51	14	ppb v/v			06/16/25 14:21	257
1,2-Dibromoethane	51	U	51	12	ppb v/v			06/16/25 14:21	257
Chlorobenzene	51	U	51	12	ppb v/v			06/16/25 14:21	257
Ethylbenzene	51	U	51	13	ppb v/v			06/16/25 14:21	257
m,p-Xylene	8.6	J D	130	3.6	ppb v/v			06/16/25 14:21	257
o-Xylene	51	U	51	18	ppb v/v			06/16/25 14:21	257
Styrene	51	U	51	14	ppb v/v			06/16/25 14:21	257
Bromoform	51	U	51	15	ppb v/v			06/16/25 14:21	257
Cumene	51	U	51	19	ppb v/v			06/16/25 14:21	257
1,1,2,2-Tetrachloroethane	51	U	51	16	ppb v/v			06/16/25 14:21	257
n-Propylbenzene	51	U	51	16	ppb v/v			06/16/25 14:21	257
4-Ethyltoluene	51	U	51	17	ppb v/v			06/16/25 14:21	257
1,3,5-Trimethylbenzene	51	U	51	17	ppb v/v			06/16/25 14:21	257
2-Chlorotoluene	51	U	51	15	ppb v/v			06/16/25 14:21	257
tert-Butylbenzene	51	U	51	18	ppb v/v			06/16/25 14:21	257
1,2,4-Trimethylbenzene	51	U	51	21	ppb v/v			06/16/25 14:21	257
sec-Butylbenzene	51	U	51	19	ppb v/v			06/16/25 14:21	257
4-Isopropyltoluene	51	U	51	20	ppb v/v			06/16/25 14:21	257
1,3-Dichlorobenzene	51	U	51	16	ppb v/v			06/16/25 14:21	257
1,4-Dichlorobenzene	51	U	51	18	ppb v/v			06/16/25 14:21	257
Benzyl chloride	51	U	51	19	ppb v/v			06/16/25 14:21	257
n-Butylbenzene	51	U	51	18	ppb v/v			06/16/25 14:21	257
1,2-Dichlorobenzene	51	U	51	17	ppb v/v			06/16/25 14:21	257
1,2,4-Trichlorobenzene	130	U	130	77	ppb v/v			06/16/25 14:21	257
Hexachlorobutadiene	51	U	51	20	ppb v/v			06/16/25 14:21	257
Naphthalene	98	U	98	28	ppb v/v			06/16/25 14:21	257

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	37	U	37	16	ug/m3			06/14/25 05:20	15.08
Chlorodifluoromethane	27	U	27	19	ug/m3			06/14/25 05:20	15.08
1,2-Dichlorotetrafluoroethane	21	U	21	8.0	ug/m3			06/14/25 05:20	15.08
Chloromethane	16	U	16	10	ug/m3			06/14/25 05:20	15.08
n-Butane	1100		18	11	ug/m3			06/14/25 05:20	15.08
Vinyl chloride	3.0	U	3.0	1.1	ug/m3			06/14/25 05:20	15.08
1,3-Butadiene	1.9	J	6.7	1.3	ug/m3			06/14/25 05:20	15.08
Bromomethane	12	U	12	3.6	ug/m3			06/14/25 05:20	15.08
Chloroethane	20	U	20	6.4	ug/m3			06/14/25 05:20	15.08
Bromoethene(Vinyl Bromide)	13	U	13	3.2	ug/m3			06/14/25 05:20	15.08
Trichlorofluoromethane	17	U	17	6.5	ug/m3			06/14/25 05:20	15.08
1,1,2-Trichlorotrifluoroethane	23	U	23	6.6	ug/m3			06/14/25 05:20	15.08
1,1-Dichloroethene	3.0	U	3.0	2.1	ug/m3			06/14/25 05:20	15.08
Acetone	5300	E	180	68	ug/m3			06/14/25 05:20	15.08
Isopropyl alcohol	98	J	190	82	ug/m3			06/14/25 05:20	15.08
Carbon disulfide	160		23	8.5	ug/m3			06/14/25 05:20	15.08
3-Chloropropene	24	U	24	3.8	ug/m3			06/14/25 05:20	15.08
Methylene Chloride	26	U	26	10	ug/m3			06/14/25 05:20	15.08
tert-Butyl alcohol	230	U	230	73	ug/m3			06/14/25 05:20	15.08
Methyl tert-butyl ether	11	U	11	3.6	ug/m3			06/14/25 05:20	15.08
trans-1,2-Dichloroethene	12	U	12	1.2	ug/m3			06/14/25 05:20	15.08
n-Hexane	3100	E	27	8.5	ug/m3			06/14/25 05:20	15.08
1,1-Dichloroethane	12	U	12	1.1	ug/m3			06/14/25 05:20	15.08
Methyl Ethyl Ketone (2-Butanone)	280		22	6.2	ug/m3			06/14/25 05:20	15.08
cis-1,2-Dichloroethene	3.0	U	3.0	1.9	ug/m3			06/14/25 05:20	15.08
Chloroform	15	U	15	4.3	ug/m3			06/14/25 05:20	15.08
Tetrahydrofuran	220	U	220	76	ug/m3			06/14/25 05:20	15.08
1,1,1-Trichloroethane	16	U	16	6.0	ug/m3			06/14/25 05:20	15.08
Cyclohexane	1600		10	2.7	ug/m3			06/14/25 05:20	15.08
Carbon tetrachloride	3.3	U	3.3	2.3	ug/m3			06/14/25 05:20	15.08
2,2,4-Trimethylpentane	14	U	14	5.0	ug/m3			06/14/25 05:20	15.08
Benzene	4.3	J	9.6	2.5	ug/m3			06/14/25 05:20	15.08
1,2-Dichloroethane	12	U	12	4.5	ug/m3			06/14/25 05:20	15.08
n-Heptane	3800	E	12	5.3	ug/m3			06/14/25 05:20	15.08
Trichloroethene	4.7		3.0	2.4	ug/m3			06/14/25 05:20	15.08
Methyl methacrylate	31	U	31	8.0	ug/m3			06/14/25 05:20	15.08
1,2-Dichloropropane	14	U	14	3.8	ug/m3			06/14/25 05:20	15.08
1,4-Dioxane	270	U	270	10	ug/m3			06/14/25 05:20	15.08
Bromodichloromethane	20	U	20	5.9	ug/m3			06/14/25 05:20	15.08
cis-1,3-Dichloropropene	14	U	14	3.8	ug/m3			06/14/25 05:20	15.08
4-Methyl-2-pentanone (Methyl isobutyl ketone)	31	U	31	12	ug/m3			06/14/25 05:20	15.08
Toluene	68		11	3.1	ug/m3			06/14/25 05:20	15.08
trans-1,3-Dichloropropene	14	U	14	4.2	ug/m3			06/14/25 05:20	15.08
1,1,2-Trichloroethane	16	U	16	4.4	ug/m3			06/14/25 05:20	15.08
Tetrachloroethene	10	J	20	3.7	ug/m3			06/14/25 05:20	15.08
Methyl Butyl Ketone (2-Hexanone)	72		31	12	ug/m3			06/14/25 05:20	15.08
Dibromochloromethane	26	U	26	6.8	ug/m3			06/14/25 05:20	15.08
1,2-Dibromoethane	23	U	23	5.2	ug/m3			06/14/25 05:20	15.08

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	14	U	14	3.3	ug/m3			06/14/25 05:20	15.08
Ethylbenzene	42		13	3.3	ug/m3			06/14/25 05:20	15.08
m,p-Xylene	100		33	0.92	ug/m3			06/14/25 05:20	15.08
o-Xylene	50		13	4.5	ug/m3			06/14/25 05:20	15.08
Styrene	13	U	13	3.6	ug/m3			06/14/25 05:20	15.08
Bromoform	31	U	31	9.0	ug/m3			06/14/25 05:20	15.08
Cumene	12	J	15	5.3	ug/m3			06/14/25 05:20	15.08
1,1,2,2-Tetrachloroethane	21	U	21	6.3	ug/m3			06/14/25 05:20	15.08
n-Propylbenzene	30		15	4.6	ug/m3			06/14/25 05:20	15.08
4-Ethyltoluene	35		15	5.0	ug/m3			06/14/25 05:20	15.08
1,3,5-Trimethylbenzene	30		15	5.0	ug/m3			06/14/25 05:20	15.08
2-Chlorotoluene	16	U	16	4.5	ug/m3			06/14/25 05:20	15.08
tert-Butylbenzene	17	U	17	5.8	ug/m3			06/14/25 05:20	15.08
1,2,4-Trimethylbenzene	110		15	6.1	ug/m3			06/14/25 05:20	15.08
sec-Butylbenzene	11	J	17	6.0	ug/m3			06/14/25 05:20	15.08
4-Isopropyltoluene	7.1	J	17	6.5	ug/m3			06/14/25 05:20	15.08
1,3-Dichlorobenzene	18	U	18	5.7	ug/m3			06/14/25 05:20	15.08
1,4-Dichlorobenzene	18	U	18	6.3	ug/m3			06/14/25 05:20	15.08
Benzyl chloride	16	U	16	5.8	ug/m3			06/14/25 05:20	15.08
n-Butylbenzene	13	J	17	5.8	ug/m3			06/14/25 05:20	15.08
1,2-Dichlorobenzene	18	U	18	6.0	ug/m3			06/14/25 05:20	15.08
1,2,4-Trichlorobenzene	56	U	56	34	ug/m3			06/14/25 05:20	15.08
Hexachlorobutadiene	32	U	32	13	ug/m3			06/14/25 05:20	15.08
Naphthalene	30	U	30	8.7	ug/m3			06/14/25 05:20	15.08
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	7.5	U	7.5	3.3	ppb v/v			06/14/25 05:20	15.08
Chlorodifluoromethane	7.5	U	7.5	5.4	ppb v/v			06/14/25 05:20	15.08
1,2-Dichlorotetrafluoroethane	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
Chloromethane	7.5	U	7.5	5.0	ppb v/v			06/14/25 05:20	15.08
n-Butane	440		7.5	4.7	ppb v/v			06/14/25 05:20	15.08
Vinyl chloride	1.2	U	1.2	0.44	ppb v/v			06/14/25 05:20	15.08
1,3-Butadiene	0.84	J	3.0	0.60	ppb v/v			06/14/25 05:20	15.08
Bromomethane	3.0	U	3.0	0.93	ppb v/v			06/14/25 05:20	15.08
Chloroethane	7.5	U	7.5	2.4	ppb v/v			06/14/25 05:20	15.08
Bromoethene(Vinyl Bromide)	3.0	U	3.0	0.72	ppb v/v			06/14/25 05:20	15.08
Trichlorofluoromethane	3.0	U	3.0	1.2	ppb v/v			06/14/25 05:20	15.08
1,1,2-Trichlorotrifluoroethane	3.0	U	3.0	0.86	ppb v/v			06/14/25 05:20	15.08
1,1-Dichloroethene	0.76	U	0.76	0.53	ppb v/v			06/14/25 05:20	15.08
Acetone	2200	E	75	29	ppb v/v			06/14/25 05:20	15.08
Isopropyl alcohol	40	J	75	33	ppb v/v			06/14/25 05:20	15.08
Carbon disulfide	53		7.5	2.7	ppb v/v			06/14/25 05:20	15.08
3-Chloropropene	7.5	U	7.5	1.2	ppb v/v			06/14/25 05:20	15.08
Methylene Chloride	7.5	U	7.5	2.9	ppb v/v			06/14/25 05:20	15.08
tert-Butyl alcohol	75	U	75	24	ppb v/v			06/14/25 05:20	15.08
Methyl tert-butyl ether	3.0	U	3.0	1.0	ppb v/v			06/14/25 05:20	15.08
trans-1,2-Dichloroethene	3.0	U	3.0	0.30	ppb v/v			06/14/25 05:20	15.08
n-Hexane	890	E	7.5	2.4	ppb v/v			06/14/25 05:20	15.08
1,1-Dichloroethane	3.0	U	3.0	0.27	ppb v/v			06/14/25 05:20	15.08

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	96		7.5	2.1	ppb v/v			06/14/25 05:20	15.08
cis-1,2-Dichloroethene	0.76	U	0.76	0.48	ppb v/v			06/14/25 05:20	15.08
Chloroform	3.0	U	3.0	0.89	ppb v/v			06/14/25 05:20	15.08
Tetrahydrofuran	75	U	75	26	ppb v/v			06/14/25 05:20	15.08
1,1,1-Trichloroethane	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
Cyclohexane	460		3.0	0.78	ppb v/v			06/14/25 05:20	15.08
Carbon tetrachloride	0.53	U	0.53	0.36	ppb v/v			06/14/25 05:20	15.08
2,2,4-Trimethylpentane	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
Benzene	1.3	J	3.0	0.77	ppb v/v			06/14/25 05:20	15.08
1,2-Dichloroethane	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
n-Heptane	920	E	3.0	1.3	ppb v/v			06/14/25 05:20	15.08
Trichloroethene	0.88		0.56	0.44	ppb v/v			06/14/25 05:20	15.08
Methyl methacrylate	7.5	U	7.5	2.0	ppb v/v			06/14/25 05:20	15.08
1,2-Dichloropropane	3.0	U	3.0	0.83	ppb v/v			06/14/25 05:20	15.08
1,4-Dioxane	75	U	75	2.9	ppb v/v			06/14/25 05:20	15.08
Bromodichloromethane	3.0	U	3.0	0.87	ppb v/v			06/14/25 05:20	15.08
cis-1,3-Dichloropropene	3.0	U	3.0	0.84	ppb v/v			06/14/25 05:20	15.08
4-Methyl-2-pentanone (Methyl isobutyl ketone)	7.5	U	7.5	2.9	ppb v/v			06/14/25 05:20	15.08
Toluene	18		3.0	0.81	ppb v/v			06/14/25 05:20	15.08
trans-1,3-Dichloropropene	3.0	U	3.0	0.93	ppb v/v			06/14/25 05:20	15.08
1,1,2-Trichloroethane	3.0	U	3.0	0.80	ppb v/v			06/14/25 05:20	15.08
Tetrachloroethene	1.5	J	3.0	0.54	ppb v/v			06/14/25 05:20	15.08
Methyl Butyl Ketone (2-Hexanone)	18		7.5	3.0	ppb v/v			06/14/25 05:20	15.08
Dibromochloromethane	3.0	U	3.0	0.80	ppb v/v			06/14/25 05:20	15.08
1,2-Dibromoethane	3.0	U	3.0	0.68	ppb v/v			06/14/25 05:20	15.08
Chlorobenzene	3.0	U	3.0	0.71	ppb v/v			06/14/25 05:20	15.08
Ethylbenzene	9.7		3.0	0.77	ppb v/v			06/14/25 05:20	15.08
m,p-Xylene	23		7.5	0.21	ppb v/v			06/14/25 05:20	15.08
o-Xylene	12		3.0	1.0	ppb v/v			06/14/25 05:20	15.08
Styrene	3.0	U	3.0	0.84	ppb v/v			06/14/25 05:20	15.08
Bromoform	3.0	U	3.0	0.87	ppb v/v			06/14/25 05:20	15.08
Cumene	2.5	J	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
1,1,2,2-Tetrachloroethane	3.0	U	3.0	0.92	ppb v/v			06/14/25 05:20	15.08
n-Propylbenzene	6.0		3.0	0.93	ppb v/v			06/14/25 05:20	15.08
4-Ethyltoluene	7.2		3.0	1.0	ppb v/v			06/14/25 05:20	15.08
1,3,5-Trimethylbenzene	6.0		3.0	1.0	ppb v/v			06/14/25 05:20	15.08
2-Chlorotoluene	3.0	U	3.0	0.87	ppb v/v			06/14/25 05:20	15.08
tert-Butylbenzene	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
1,2,4-Trimethylbenzene	22		3.0	1.2	ppb v/v			06/14/25 05:20	15.08
sec-Butylbenzene	1.9	J	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
4-Isopropyltoluene	1.3	J	3.0	1.2	ppb v/v			06/14/25 05:20	15.08
1,3-Dichlorobenzene	3.0	U	3.0	0.95	ppb v/v			06/14/25 05:20	15.08
1,4-Dichlorobenzene	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
Benzyl chloride	3.0	U	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
n-Butylbenzene	2.4	J	3.0	1.1	ppb v/v			06/14/25 05:20	15.08
1,2-Dichlorobenzene	3.0	U	3.0	1.0	ppb v/v			06/14/25 05:20	15.08
1,2,4-Trichlorobenzene	7.5	U	7.5	4.5	ppb v/v			06/14/25 05:20	15.08
Hexachlorobutadiene	3.0	U	3.0	1.2	ppb v/v			06/14/25 05:20	15.08

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	5.8	U	5.8	1.7	ppb v/v			06/14/25 05:20	15.08

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	210	U	210	93	ug/m3			06/14/25 06:11	85.1
Chlorodifluoromethane	150	U	150	110	ug/m3			06/14/25 06:11	85.1
1,2-Dichlorotetrafluoroethane	120	U	120	45	ug/m3			06/14/25 06:11	85.1
Chloromethane	88	U	88	58	ug/m3			06/14/25 06:11	85.1
n-Butane	1000	D	100	63	ug/m3			06/14/25 06:11	85.1
Vinyl chloride	17	U	17	6.3	ug/m3			06/14/25 06:11	85.1
1,3-Butadiene	38	U	38	7.5	ug/m3			06/14/25 06:11	85.1
Bromomethane	66	U	66	20	ug/m3			06/14/25 06:11	85.1
Chloroethane	110	U	110	36	ug/m3			06/14/25 06:11	85.1
Bromoethene(Vinyl Bromide)	74	U	74	18	ug/m3			06/14/25 06:11	85.1
Trichlorofluoromethane	96	U	96	37	ug/m3			06/14/25 06:11	85.1
1,1,2-Trichlorotrifluoroethane	130	U	130	37	ug/m3			06/14/25 06:11	85.1
1,1-Dichloroethene	17	U	17	12	ug/m3			06/14/25 06:11	85.1
Acetone	5300	D	1000	380	ug/m3			06/14/25 06:11	85.1
Isopropyl alcohol	1000	U	1000	460	ug/m3			06/14/25 06:11	85.1
Carbon disulfide	160	D	130	48	ug/m3			06/14/25 06:11	85.1
3-Chloropropene	130	U	130	22	ug/m3			06/14/25 06:11	85.1
Methylene Chloride	150	U	150	56	ug/m3			06/14/25 06:11	85.1
tert-Butyl alcohol	1300	U	1300	410	ug/m3			06/14/25 06:11	85.1
Methyl tert-butyl ether	61	U	61	20	ug/m3			06/14/25 06:11	85.1
trans-1,2-Dichloroethene	67	U	67	6.7	ug/m3			06/14/25 06:11	85.1
n-Hexane	3000	D	150	48	ug/m3			06/14/25 06:11	85.1
1,1-Dichloroethane	69	U	69	6.2	ug/m3			06/14/25 06:11	85.1
Methyl Ethyl Ketone (2-Butanone)	260	D	130	35	ug/m3			06/14/25 06:11	85.1
cis-1,2-Dichloroethene	17	U	17	11	ug/m3			06/14/25 06:11	85.1
Chloroform	83	U	83	25	ug/m3			06/14/25 06:11	85.1
Tetrahydrofuran	1300	U	1300	430	ug/m3			06/14/25 06:11	85.1
1,1,1-Trichloroethane	93	U	93	34	ug/m3			06/14/25 06:11	85.1
Cyclohexane	1600	D	59	15	ug/m3			06/14/25 06:11	85.1
Carbon tetrachloride	19	U	19	13	ug/m3			06/14/25 06:11	85.1
2,2,4-Trimethylpentane	80	U	80	28	ug/m3			06/14/25 06:11	85.1
Benzene	54	U	54	14	ug/m3			06/14/25 06:11	85.1
1,2-Dichloroethane	69	U	69	25	ug/m3			06/14/25 06:11	85.1
n-Heptane	3600	D	70	30	ug/m3			06/14/25 06:11	85.1
Trichloroethene	17	U	17	13	ug/m3			06/14/25 06:11	85.1
Methyl methacrylate	170	U	170	45	ug/m3			06/14/25 06:11	85.1
1,2-Dichloropropane	79	U	79	22	ug/m3			06/14/25 06:11	85.1
1,4-Dioxane	1500	U	1500	58	ug/m3			06/14/25 06:11	85.1
Bromodichloromethane	110	U	110	33	ug/m3			06/14/25 06:11	85.1
cis-1,3-Dichloropropene	77	U	77	22	ug/m3			06/14/25 06:11	85.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	170	U	170	66	ug/m3			06/14/25 06:11	85.1
Toluene	66	D	64	17	ug/m3			06/14/25 06:11	85.1
trans-1,3-Dichloropropene	77	U	77	24	ug/m3			06/14/25 06:11	85.1
1,1,2-Trichloroethane	93	U	93	25	ug/m3			06/14/25 06:11	85.1

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	120	U	120	21	ug/m3			06/14/25 06:11	85.1
Methyl Butyl Ketone (2-Hexanone)	170	U	170	70	ug/m3			06/14/25 06:11	85.1
Dibromochloromethane	140	U	140	38	ug/m3			06/14/25 06:11	85.1
1,2-Dibromoethane	130	U	130	29	ug/m3			06/14/25 06:11	85.1
Chlorobenzene	78	U	78	18	ug/m3			06/14/25 06:11	85.1
Ethylbenzene	40	J D	74	19	ug/m3			06/14/25 06:11	85.1
m,p-Xylene	93	J D	180	5.2	ug/m3			06/14/25 06:11	85.1
o-Xylene	44	J D	74	25	ug/m3			06/14/25 06:11	85.1
Styrene	73	U	73	20	ug/m3			06/14/25 06:11	85.1
Bromoform	180	U	180	51	ug/m3			06/14/25 06:11	85.1
Cumene	84	U	84	30	ug/m3			06/14/25 06:11	85.1
1,1,2,2-Tetrachloroethane	120	U	120	36	ug/m3			06/14/25 06:11	85.1
n-Propylbenzene	84	U	84	26	ug/m3			06/14/25 06:11	85.1
4-Ethyltoluene	29	J D	84	28	ug/m3			06/14/25 06:11	85.1
1,3,5-Trimethylbenzene	84	U	84	28	ug/m3			06/14/25 06:11	85.1
2-Chlorotoluene	88	U	88	26	ug/m3			06/14/25 06:11	85.1
tert-Butylbenzene	93	U	93	33	ug/m3			06/14/25 06:11	85.1
1,2,4-Trimethylbenzene	86	D	84	34	ug/m3			06/14/25 06:11	85.1
sec-Butylbenzene	93	U	93	34	ug/m3			06/14/25 06:11	85.1
4-Isopropyltoluene	93	U	93	36	ug/m3			06/14/25 06:11	85.1
1,3-Dichlorobenzene	100	U	100	32	ug/m3			06/14/25 06:11	85.1
1,4-Dichlorobenzene	100	U	100	36	ug/m3			06/14/25 06:11	85.1
Benzyl chloride	88	U	88	33	ug/m3			06/14/25 06:11	85.1
n-Butylbenzene	93	U	93	33	ug/m3			06/14/25 06:11	85.1
1,2-Dichlorobenzene	100	U	100	34	ug/m3			06/14/25 06:11	85.1
1,2,4-Trichlorobenzene	320	U	320	190	ug/m3			06/14/25 06:11	85.1
Hexachlorobutadiene	180	U	180	71	ug/m3			06/14/25 06:11	85.1
Naphthalene	170	U	170	49	ug/m3			06/14/25 06:11	85.1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	43	U	43	19	ppb v/v			06/14/25 06:11	85.1
Chlorodifluoromethane	43	U	43	31	ppb v/v			06/14/25 06:11	85.1
1,2-Dichlorotetrafluoroethane	17	U	17	6.5	ppb v/v			06/14/25 06:11	85.1
Chloromethane	43	U	43	28	ppb v/v			06/14/25 06:11	85.1
n-Butane	430	D	43	26	ppb v/v			06/14/25 06:11	85.1
Vinyl chloride	6.7	U	6.7	2.5	ppb v/v			06/14/25 06:11	85.1
1,3-Butadiene	17	U	17	3.4	ppb v/v			06/14/25 06:11	85.1
Bromomethane	17	U	17	5.3	ppb v/v			06/14/25 06:11	85.1
Chloroethane	43	U	43	14	ppb v/v			06/14/25 06:11	85.1
Bromoethene(Vinyl Bromide)	17	U	17	4.1	ppb v/v			06/14/25 06:11	85.1
Trichlorofluoromethane	17	U	17	6.6	ppb v/v			06/14/25 06:11	85.1
1,1,2-Trichlorotrifluoroethane	17	U	17	4.9	ppb v/v			06/14/25 06:11	85.1
1,1-Dichloroethene	4.3	U	4.3	3.0	ppb v/v			06/14/25 06:11	85.1
Acetone	2200	D	430	160	ppb v/v			06/14/25 06:11	85.1
Isopropyl alcohol	430	U	430	190	ppb v/v			06/14/25 06:11	85.1
Carbon disulfide	51	D	43	15	ppb v/v			06/14/25 06:11	85.1
3-Chloropropene	43	U	43	6.9	ppb v/v			06/14/25 06:11	85.1
Methylene Chloride	43	U	43	16	ppb v/v			06/14/25 06:11	85.1
tert-Butyl alcohol	430	U	430	140	ppb v/v			06/14/25 06:11	85.1

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	17	U	17	5.6	ppb v/v			06/14/25 06:11	85.1
trans-1,2-Dichloroethene	17	U	17	1.7	ppb v/v			06/14/25 06:11	85.1
n-Hexane	860	D	43	14	ppb v/v			06/14/25 06:11	85.1
1,1-Dichloroethane	17	U	17	1.5	ppb v/v			06/14/25 06:11	85.1
Methyl Ethyl Ketone (2-Butanone)	87	D	43	12	ppb v/v			06/14/25 06:11	85.1
cis-1,2-Dichloroethene	4.3	U	4.3	2.7	ppb v/v			06/14/25 06:11	85.1
Chloroform	17	U	17	5.0	ppb v/v			06/14/25 06:11	85.1
Tetrahydrofuran	430	U	430	140	ppb v/v			06/14/25 06:11	85.1
1,1,1-Trichloroethane	17	U	17	6.2	ppb v/v			06/14/25 06:11	85.1
Cyclohexane	460	D	17	4.4	ppb v/v			06/14/25 06:11	85.1
Carbon tetrachloride	3.0	U	3.0	2.0	ppb v/v			06/14/25 06:11	85.1
2,2,4-Trimethylpentane	17	U	17	6.0	ppb v/v			06/14/25 06:11	85.1
Benzene	17	U	17	4.3	ppb v/v			06/14/25 06:11	85.1
1,2-Dichloroethane	17	U	17	6.3	ppb v/v			06/14/25 06:11	85.1
n-Heptane	880	D	17	7.3	ppb v/v			06/14/25 06:11	85.1
Trichloroethene	3.2	U	3.2	2.5	ppb v/v			06/14/25 06:11	85.1
Methyl methacrylate	43	U	43	11	ppb v/v			06/14/25 06:11	85.1
1,2-Dichloropropane	17	U	17	4.7	ppb v/v			06/14/25 06:11	85.1
1,4-Dioxane	430	U	430	16	ppb v/v			06/14/25 06:11	85.1
Bromodichloromethane	17	U	17	4.9	ppb v/v			06/14/25 06:11	85.1
cis-1,3-Dichloropropene	17	U	17	4.8	ppb v/v			06/14/25 06:11	85.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	43	U	43	16	ppb v/v			06/14/25 06:11	85.1
Toluene	18	D	17	4.6	ppb v/v			06/14/25 06:11	85.1
trans-1,3-Dichloropropene	17	U	17	5.3	ppb v/v			06/14/25 06:11	85.1
1,1,2-Trichloroethane	17	U	17	4.5	ppb v/v			06/14/25 06:11	85.1
Tetrachloroethene	17	U	17	3.1	ppb v/v			06/14/25 06:11	85.1
Methyl Butyl Ketone (2-Hexanone)	43	U	43	17	ppb v/v			06/14/25 06:11	85.1
Dibromochloromethane	17	U	17	4.5	ppb v/v			06/14/25 06:11	85.1
1,2-Dibromoethane	17	U	17	3.8	ppb v/v			06/14/25 06:11	85.1
Chlorobenzene	17	U	17	4.0	ppb v/v			06/14/25 06:11	85.1
Ethylbenzene	9.1	J D	17	4.3	ppb v/v			06/14/25 06:11	85.1
m,p-Xylene	21	J D	43	1.2	ppb v/v			06/14/25 06:11	85.1
o-Xylene	10	J D	17	5.9	ppb v/v			06/14/25 06:11	85.1
Styrene	17	U	17	4.8	ppb v/v			06/14/25 06:11	85.1
Bromoform	17	U	17	4.9	ppb v/v			06/14/25 06:11	85.1
Cumene	17	U	17	6.1	ppb v/v			06/14/25 06:11	85.1
1,1,2,2-Tetrachloroethane	17	U	17	5.2	ppb v/v			06/14/25 06:11	85.1
n-Propylbenzene	17	U	17	5.3	ppb v/v			06/14/25 06:11	85.1
4-Ethyltoluene	5.9	J D	17	5.8	ppb v/v			06/14/25 06:11	85.1
1,3,5-Trimethylbenzene	17	U	17	5.8	ppb v/v			06/14/25 06:11	85.1
2-Chlorotoluene	17	U	17	4.9	ppb v/v			06/14/25 06:11	85.1
tert-Butylbenzene	17	U	17	6.0	ppb v/v			06/14/25 06:11	85.1
1,2,4-Trimethylbenzene	17	D	17	7.0	ppb v/v			06/14/25 06:11	85.1
sec-Butylbenzene	17	U	17	6.1	ppb v/v			06/14/25 06:11	85.1
4-Isopropyltoluene	17	U	17	6.6	ppb v/v			06/14/25 06:11	85.1
1,3-Dichlorobenzene	17	U	17	5.4	ppb v/v			06/14/25 06:11	85.1
1,4-Dichlorobenzene	17	U	17	6.0	ppb v/v			06/14/25 06:11	85.1
Benzyl chloride	17	U	17	6.3	ppb v/v			06/14/25 06:11	85.1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	17	U	17	6.0	ppb v/v			06/14/25 06:11	85.1
1,2-Dichlorobenzene	17	U	17	5.6	ppb v/v			06/14/25 06:11	85.1
1,2,4-Trichlorobenzene	43	U	43	26	ppb v/v			06/14/25 06:11	85.1
Hexachlorobutadiene	17	U	17	6.6	ppb v/v			06/14/25 06:11	85.1
Naphthalene	32	U	32	9.4	ppb v/v			06/14/25 06:11	85.1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	11	ug/m3			06/13/25 13:38	9.93
Chlorodifluoromethane	18	U	18	13	ug/m3			06/13/25 13:38	9.93
1,2-Dichlorotetrafluoroethane	14	U	14	5.3	ug/m3			06/13/25 13:38	9.93
Chloromethane	10	U	10	6.8	ug/m3			06/13/25 13:38	9.93
n-Butane	190		12	7.3	ug/m3			06/13/25 13:38	9.93
Vinyl chloride	2.0	U	2.0	0.74	ug/m3			06/13/25 13:38	9.93
1,3-Butadiene	1.8	J	4.4	0.88	ug/m3			06/13/25 13:38	9.93
Bromomethane	7.7	U	7.7	2.4	ug/m3			06/13/25 13:38	9.93
Chloroethane	13	U	13	4.2	ug/m3			06/13/25 13:38	9.93
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.1	ug/m3			06/13/25 13:38	9.93
Trichlorofluoromethane	11	U	11	4.3	ug/m3			06/13/25 13:38	9.93
1,1,2-Trichlorotrifluoroethane	15	U	15	4.3	ug/m3			06/13/25 13:38	9.93
1,1-Dichloroethene	2.0	U	2.0	1.4	ug/m3			06/13/25 13:38	9.93
Acetone	3100	E	120	45	ug/m3			06/13/25 13:38	9.93
Isopropyl alcohol	120	U	120	54	ug/m3			06/13/25 13:38	9.93
Carbon disulfide	56		15	5.6	ug/m3			06/13/25 13:38	9.93
3-Chloropropene	16	U	16	2.5	ug/m3			06/13/25 13:38	9.93
Methylene Chloride	17	U	17	6.6	ug/m3			06/13/25 13:38	9.93
tert-Butyl alcohol	150	U	150	48	ug/m3			06/13/25 13:38	9.93
Methyl tert-butyl ether	7.2	U	7.2	2.4	ug/m3			06/13/25 13:38	9.93
trans-1,2-Dichloroethene	7.9	U	7.9	0.79	ug/m3			06/13/25 13:38	9.93
n-Hexane	2100	E	17	5.6	ug/m3			06/13/25 13:38	9.93
1,1-Dichloroethane	8.0	U	8.0	0.72	ug/m3			06/13/25 13:38	9.93
Methyl Ethyl Ketone (2-Butanone)	160		15	4.1	ug/m3			06/13/25 13:38	9.93
cis-1,2-Dichloroethene	2.0	U	2.0	1.3	ug/m3			06/13/25 13:38	9.93
Chloroform	9.7	U	9.7	2.9	ug/m3			06/13/25 13:38	9.93
Tetrahydrofuran	150	U	150	50	ug/m3			06/13/25 13:38	9.93
1,1,1-Trichloroethane	11	U	11	4.0	ug/m3			06/13/25 13:38	9.93
Cyclohexane	660		6.8	1.8	ug/m3			06/13/25 13:38	9.93
Carbon tetrachloride	2.2	U	2.2	1.5	ug/m3			06/13/25 13:38	9.93
2,2,4-Trimethylpentane	150		9.3	3.3	ug/m3			06/13/25 13:38	9.93
Benzene	6.1	J	6.3	1.6	ug/m3			06/13/25 13:38	9.93
1,2-Dichloroethane	8.0	U	8.0	3.0	ug/m3			06/13/25 13:38	9.93
n-Heptane	2000	E	8.1	3.5	ug/m3			06/13/25 13:38	9.93
Trichloroethene	5.5		2.0	1.5	ug/m3			06/13/25 13:38	9.93
Methyl methacrylate	20	U	20	5.3	ug/m3			06/13/25 13:38	9.93

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	9.2	U	9.2	2.5	ug/m3			06/13/25 13:38	9.93
1,4-Dioxane	180	U	180	6.8	ug/m3			06/13/25 13:38	9.93
Bromodichloromethane	13	U	13	3.9	ug/m3			06/13/25 13:38	9.93
cis-1,3-Dichloropropene	9.0	U	9.0	2.5	ug/m3			06/13/25 13:38	9.93
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20	U	20	7.7	ug/m3			06/13/25 13:38	9.93
Toluene	63		7.5	2.0	ug/m3			06/13/25 13:38	9.93
trans-1,3-Dichloropropene	9.0	U	9.0	2.8	ug/m3			06/13/25 13:38	9.93
1,1,2-Trichloroethane	11	U	11	2.9	ug/m3			06/13/25 13:38	9.93
Tetrachloroethene	13	U	13	2.4	ug/m3			06/13/25 13:38	9.93
Methyl Butyl Ketone (2-Hexanone)	20	U	20	8.1	ug/m3			06/13/25 13:38	9.93
Dibromochloromethane	17	U	17	4.5	ug/m3			06/13/25 13:38	9.93
1,2-Dibromoethane	15	U	15	3.4	ug/m3			06/13/25 13:38	9.93
Chlorobenzene	9.1	U	9.1	2.1	ug/m3			06/13/25 13:38	9.93
Ethylbenzene	39		8.6	2.2	ug/m3			06/13/25 13:38	9.93
m,p-Xylene	96		22	0.60	ug/m3			06/13/25 13:38	9.93
o-Xylene	47		8.6	3.0	ug/m3			06/13/25 13:38	9.93
Styrene	8.5	U	8.5	2.4	ug/m3			06/13/25 13:38	9.93
Bromoform	21	U	21	6.0	ug/m3			06/13/25 13:38	9.93
Cumene	13		9.8	3.5	ug/m3			06/13/25 13:38	9.93
1,1,2,2-Tetrachloroethane	14	U	14	4.2	ug/m3			06/13/25 13:38	9.93
n-Propylbenzene	29		9.8	3.0	ug/m3			06/13/25 13:38	9.93
4-Ethyltoluene	36		9.8	3.3	ug/m3			06/13/25 13:38	9.93
1,3,5-Trimethylbenzene	30		9.8	3.3	ug/m3			06/13/25 13:38	9.93
2-Chlorotoluene	10	U	10	3.0	ug/m3			06/13/25 13:38	9.93
tert-Butylbenzene	11	U	11	3.8	ug/m3			06/13/25 13:38	9.93
1,2,4-Trimethylbenzene	110		9.8	4.0	ug/m3			06/13/25 13:38	9.93
sec-Butylbenzene	12		11	3.9	ug/m3			06/13/25 13:38	9.93
4-Isopropyltoluene	9.1	J	11	4.3	ug/m3			06/13/25 13:38	9.93
1,3-Dichlorobenzene	12	U	12	3.8	ug/m3			06/13/25 13:38	9.93
1,4-Dichlorobenzene	12	U	12	4.2	ug/m3			06/13/25 13:38	9.93
Benzyl chloride	10	U	10	3.8	ug/m3			06/13/25 13:38	9.93
n-Butylbenzene	16		11	3.8	ug/m3			06/13/25 13:38	9.93
1,2-Dichlorobenzene	12	U	12	3.9	ug/m3			06/13/25 13:38	9.93
1,2,4-Trichlorobenzene	37	U	37	22	ug/m3			06/13/25 13:38	9.93
Hexachlorobutadiene	21	U	21	8.3	ug/m3			06/13/25 13:38	9.93
Naphthalene	13	J	20	5.7	ug/m3			06/13/25 13:38	9.93
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	2.2	ppb v/v			06/13/25 13:38	9.93
Chlorodifluoromethane	5.0	U	5.0	3.6	ppb v/v			06/13/25 13:38	9.93
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.75	ppb v/v			06/13/25 13:38	9.93
Chloromethane	5.0	U	5.0	3.3	ppb v/v			06/13/25 13:38	9.93
n-Butane	78		5.0	3.1	ppb v/v			06/13/25 13:38	9.93
Vinyl chloride	0.78	U	0.78	0.29	ppb v/v			06/13/25 13:38	9.93
1,3-Butadiene	0.83	J	2.0	0.40	ppb v/v			06/13/25 13:38	9.93
Bromomethane	2.0	U	2.0	0.62	ppb v/v			06/13/25 13:38	9.93
Chloroethane	5.0	U	5.0	1.6	ppb v/v			06/13/25 13:38	9.93
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.48	ppb v/v			06/13/25 13:38	9.93

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.0	U	2.0	0.76	ppb v/v			06/13/25 13:38	9.93
1,1,2-Trichlorotrifluoroethane	2.0	U	2.0	0.57	ppb v/v			06/13/25 13:38	9.93
1,1-Dichloroethene	0.50	U	0.50	0.35	ppb v/v			06/13/25 13:38	9.93
Acetone	1300	E	50	19	ppb v/v			06/13/25 13:38	9.93
Isopropyl alcohol	50	U	50	22	ppb v/v			06/13/25 13:38	9.93
Carbon disulfide	18		5.0	1.8	ppb v/v			06/13/25 13:38	9.93
3-Chloropropene	5.0	U	5.0	0.80	ppb v/v			06/13/25 13:38	9.93
Methylene Chloride	5.0	U	5.0	1.9	ppb v/v			06/13/25 13:38	9.93
tert-Butyl alcohol	50	U	50	16	ppb v/v			06/13/25 13:38	9.93
Methyl tert-butyl ether	2.0	U	2.0	0.66	ppb v/v			06/13/25 13:38	9.93
trans-1,2-Dichloroethene	2.0	U	2.0	0.20	ppb v/v			06/13/25 13:38	9.93
n-Hexane	610	E	5.0	1.6	ppb v/v			06/13/25 13:38	9.93
1,1-Dichloroethane	2.0	U	2.0	0.18	ppb v/v			06/13/25 13:38	9.93
Methyl Ethyl Ketone (2-Butanone)	54		5.0	1.4	ppb v/v			06/13/25 13:38	9.93
cis-1,2-Dichloroethene	0.50	U	0.50	0.32	ppb v/v			06/13/25 13:38	9.93
Chloroform	2.0	U	2.0	0.59	ppb v/v			06/13/25 13:38	9.93
Tetrahydrofuran	50	U	50	17	ppb v/v			06/13/25 13:38	9.93
1,1,1-Trichloroethane	2.0	U	2.0	0.72	ppb v/v			06/13/25 13:38	9.93
Cyclohexane	190		2.0	0.52	ppb v/v			06/13/25 13:38	9.93
Carbon tetrachloride	0.35	U	0.35	0.24	ppb v/v			06/13/25 13:38	9.93
2,2,4-Trimethylpentane	33		2.0	0.71	ppb v/v			06/13/25 13:38	9.93
Benzene	1.9	J	2.0	0.51	ppb v/v			06/13/25 13:38	9.93
1,2-Dichloroethane	2.0	U	2.0	0.73	ppb v/v			06/13/25 13:38	9.93
n-Heptane	480	E	2.0	0.85	ppb v/v			06/13/25 13:38	9.93
Trichloroethene	1.0		0.37	0.29	ppb v/v			06/13/25 13:38	9.93
Methyl methacrylate	5.0	U	5.0	1.3	ppb v/v			06/13/25 13:38	9.93
1,2-Dichloropropane	2.0	U	2.0	0.55	ppb v/v			06/13/25 13:38	9.93
1,4-Dioxane	50	U	50	1.9	ppb v/v			06/13/25 13:38	9.93
Bromodichloromethane	2.0	U	2.0	0.58	ppb v/v			06/13/25 13:38	9.93
cis-1,3-Dichloropropene	2.0	U	2.0	0.56	ppb v/v			06/13/25 13:38	9.93
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	U	5.0	1.9	ppb v/v			06/13/25 13:38	9.93
Toluene	17		2.0	0.54	ppb v/v			06/13/25 13:38	9.93
trans-1,3-Dichloropropene	2.0	U	2.0	0.62	ppb v/v			06/13/25 13:38	9.93
1,1,2-Trichloroethane	2.0	U	2.0	0.53	ppb v/v			06/13/25 13:38	9.93
Tetrachloroethene	2.0	U	2.0	0.36	ppb v/v			06/13/25 13:38	9.93
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	2.0	ppb v/v			06/13/25 13:38	9.93
Dibromochloromethane	2.0	U	2.0	0.53	ppb v/v			06/13/25 13:38	9.93
1,2-Dibromoethane	2.0	U	2.0	0.45	ppb v/v			06/13/25 13:38	9.93
Chlorobenzene	2.0	U	2.0	0.47	ppb v/v			06/13/25 13:38	9.93
Ethylbenzene	9.1		2.0	0.51	ppb v/v			06/13/25 13:38	9.93
m,p-Xylene	22		5.0	0.14	ppb v/v			06/13/25 13:38	9.93
o-Xylene	11		2.0	0.69	ppb v/v			06/13/25 13:38	9.93
Styrene	2.0	U	2.0	0.56	ppb v/v			06/13/25 13:38	9.93
Bromoform	2.0	U	2.0	0.58	ppb v/v			06/13/25 13:38	9.93
Cumene	2.6		2.0	0.71	ppb v/v			06/13/25 13:38	9.93
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.61	ppb v/v			06/13/25 13:38	9.93
n-Propylbenzene	6.0		2.0	0.62	ppb v/v			06/13/25 13:38	9.93
4-Ethyltoluene	7.3		2.0	0.68	ppb v/v			06/13/25 13:38	9.93

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	6.1		2.0	0.68	ppb v/v			06/13/25 13:38	9.93
2-Chlorotoluene	2.0	U	2.0	0.58	ppb v/v			06/13/25 13:38	9.93
tert-Butylbenzene	2.0	U	2.0	0.70	ppb v/v			06/13/25 13:38	9.93
1,2,4-Trimethylbenzene	21		2.0	0.81	ppb v/v			06/13/25 13:38	9.93
sec-Butylbenzene	2.2		2.0	0.71	ppb v/v			06/13/25 13:38	9.93
4-Isopropyltoluene	1.7	J	2.0	0.77	ppb v/v			06/13/25 13:38	9.93
1,3-Dichlorobenzene	2.0	U	2.0	0.63	ppb v/v			06/13/25 13:38	9.93
1,4-Dichlorobenzene	2.0	U	2.0	0.70	ppb v/v			06/13/25 13:38	9.93
Benzyl chloride	2.0	U	2.0	0.73	ppb v/v			06/13/25 13:38	9.93
n-Butylbenzene	3.0		2.0	0.70	ppb v/v			06/13/25 13:38	9.93
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			06/13/25 13:38	9.93
1,2,4-Trichlorobenzene	5.0	U	5.0	3.0	ppb v/v			06/13/25 13:38	9.93
Hexachlorobutadiene	2.0	U	2.0	0.77	ppb v/v			06/13/25 13:38	9.93
Naphthalene	2.5	J	3.8	1.1	ppb v/v			06/13/25 13:38	9.93

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	98	U	98	43	ug/m3			06/13/25 14:30	39.7
Chlorodifluoromethane	70	U	70	51	ug/m3			06/13/25 14:30	39.7
1,2-Dichlorotetrafluoroethane	56	U	56	21	ug/m3			06/13/25 14:30	39.7
Chloromethane	41	U	41	27	ug/m3			06/13/25 14:30	39.7
n-Butane	200	D	47	29	ug/m3			06/13/25 14:30	39.7
Vinyl chloride	7.9	U	7.9	2.9	ug/m3			06/13/25 14:30	39.7
1,3-Butadiene	18	U	18	3.5	ug/m3			06/13/25 14:30	39.7
Bromomethane	31	U	31	9.6	ug/m3			06/13/25 14:30	39.7
Chloroethane	52	U	52	17	ug/m3			06/13/25 14:30	39.7
Bromoethene(Vinyl Bromide)	35	U	35	8.3	ug/m3			06/13/25 14:30	39.7
Trichlorofluoromethane	45	U	45	17	ug/m3			06/13/25 14:30	39.7
1,1,2-Trichlorotrifluoroethane	61	U	61	17	ug/m3			06/13/25 14:30	39.7
1,1-Dichloroethene	7.9	U	7.9	5.5	ug/m3			06/13/25 14:30	39.7
Acetone	3600	D	470	180	ug/m3			06/13/25 14:30	39.7
Isopropyl alcohol	490	U	490	210	ug/m3			06/13/25 14:30	39.7
Carbon disulfide	61	J D	62	22	ug/m3			06/13/25 14:30	39.7
3-Chloropropene	62	U	62	10	ug/m3			06/13/25 14:30	39.7
Methylene Chloride	69	U	69	26	ug/m3			06/13/25 14:30	39.7
tert-Butyl alcohol	600	U	600	190	ug/m3			06/13/25 14:30	39.7
Methyl tert-butyl ether	29	U	29	9.4	ug/m3			06/13/25 14:30	39.7
trans-1,2-Dichloroethene	31	U	31	3.1	ug/m3			06/13/25 14:30	39.7
n-Hexane	2400	D	70	22	ug/m3			06/13/25 14:30	39.7
1,1-Dichloroethane	32	U	32	2.9	ug/m3			06/13/25 14:30	39.7
Methyl Ethyl Ketone (2-Butanone)	160	D	59	16	ug/m3			06/13/25 14:30	39.7
cis-1,2-Dichloroethene	7.9	U	7.9	5.0	ug/m3			06/13/25 14:30	39.7
Chloroform	39	U	39	11	ug/m3			06/13/25 14:30	39.7
Tetrahydrofuran	590	U	590	200	ug/m3			06/13/25 14:30	39.7
1,1,1-Trichloroethane	43	U	43	16	ug/m3			06/13/25 14:30	39.7
Cyclohexane	720	D	27	7.1	ug/m3			06/13/25 14:30	39.7
Carbon tetrachloride	8.7	U	8.7	6.0	ug/m3			06/13/25 14:30	39.7
2,2,4-Trimethylpentane	37	U	37	13	ug/m3			06/13/25 14:30	39.7
Benzene	7.0	J D	25	6.5	ug/m3			06/13/25 14:30	39.7

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	32	U	32	12	ug/m3			06/13/25 14:30	39.7
n-Heptane	2200	D	33	14	ug/m3			06/13/25 14:30	39.7
Trichloroethene	7.9	U	7.9	6.2	ug/m3			06/13/25 14:30	39.7
Methyl methacrylate	81	U	81	21	ug/m3			06/13/25 14:30	39.7
1,2-Dichloropropane	37	U	37	10	ug/m3			06/13/25 14:30	39.7
1,4-Dioxane	720	U	720	27	ug/m3			06/13/25 14:30	39.7
Bromodichloromethane	53	U	53	15	ug/m3			06/13/25 14:30	39.7
cis-1,3-Dichloropropene	36	U	36	10	ug/m3			06/13/25 14:30	39.7
4-Methyl-2-pentanone (Methyl isobutyl ketone)	81	U	81	31	ug/m3			06/13/25 14:30	39.7
Toluene	68	D	30	8.1	ug/m3			06/13/25 14:30	39.7
trans-1,3-Dichloropropene	36	U	36	11	ug/m3			06/13/25 14:30	39.7
1,1,2-Trichloroethane	43	U	43	11	ug/m3			06/13/25 14:30	39.7
Tetrachloroethene	54	U	54	9.7	ug/m3			06/13/25 14:30	39.7
Methyl Butyl Ketone (2-Hexanone)	81	U	81	33	ug/m3			06/13/25 14:30	39.7
Dibromochloromethane	68	U	68	18	ug/m3			06/13/25 14:30	39.7
1,2-Dibromoethane	61	U	61	14	ug/m3			06/13/25 14:30	39.7
Chlorobenzene	37	U	37	8.6	ug/m3			06/13/25 14:30	39.7
Ethylbenzene	42	D	34	8.8	ug/m3			06/13/25 14:30	39.7
m,p-Xylene	100	D	86	2.4	ug/m3			06/13/25 14:30	39.7
o-Xylene	48	D	34	12	ug/m3			06/13/25 14:30	39.7
Styrene	34	U	34	9.5	ug/m3			06/13/25 14:30	39.7
Bromoform	82	U	82	24	ug/m3			06/13/25 14:30	39.7
Cumene	39	U	39	14	ug/m3			06/13/25 14:30	39.7
1,1,2,2-Tetrachloroethane	55	U	55	17	ug/m3			06/13/25 14:30	39.7
n-Propylbenzene	30	J D	39	12	ug/m3			06/13/25 14:30	39.7
4-Ethyltoluene	37	J D	39	13	ug/m3			06/13/25 14:30	39.7
1,3,5-Trimethylbenzene	30	J D	39	13	ug/m3			06/13/25 14:30	39.7
2-Chlorotoluene	41	U	41	12	ug/m3			06/13/25 14:30	39.7
tert-Butylbenzene	44	U	44	15	ug/m3			06/13/25 14:30	39.7
1,2,4-Trimethylbenzene	110	D	39	16	ug/m3			06/13/25 14:30	39.7
sec-Butylbenzene	44	U	44	16	ug/m3			06/13/25 14:30	39.7
4-Isopropyltoluene	44	U	44	17	ug/m3			06/13/25 14:30	39.7
1,3-Dichlorobenzene	48	U	48	15	ug/m3			06/13/25 14:30	39.7
1,4-Dichlorobenzene	48	U	48	17	ug/m3			06/13/25 14:30	39.7
Benzyl chloride	41	U	41	15	ug/m3			06/13/25 14:30	39.7
n-Butylbenzene	15	J D	44	15	ug/m3			06/13/25 14:30	39.7
1,2-Dichlorobenzene	48	U	48	16	ug/m3			06/13/25 14:30	39.7
1,2,4-Trichlorobenzene	150	U	150	88	ug/m3			06/13/25 14:30	39.7
Hexachlorobutadiene	85	U	85	33	ug/m3			06/13/25 14:30	39.7
Naphthalene	79	U	79	23	ug/m3			06/13/25 14:30	39.7
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	20	U	20	8.7	ppb v/v			06/13/25 14:30	39.7
Chlorodifluoromethane	20	U	20	14	ppb v/v			06/13/25 14:30	39.7
1,2-Dichlorotetrafluoroethane	7.9	U	7.9	3.0	ppb v/v			06/13/25 14:30	39.7
Chloromethane	20	U	20	13	ppb v/v			06/13/25 14:30	39.7
n-Butane	83	D	20	12	ppb v/v			06/13/25 14:30	39.7
Vinyl chloride	3.1	U	3.1	1.2	ppb v/v			06/13/25 14:30	39.7

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	7.9	U	7.9	1.6	ppb v/v			06/13/25 14:30	39.7
Bromomethane	7.9	U	7.9	2.5	ppb v/v			06/13/25 14:30	39.7
Chloroethane	20	U	20	6.4	ppb v/v			06/13/25 14:30	39.7
Bromoethene(Vinyl Bromide)	7.9	U	7.9	1.9	ppb v/v			06/13/25 14:30	39.7
Trichlorofluoromethane	7.9	U	7.9	3.1	ppb v/v			06/13/25 14:30	39.7
1,1,2-Trichlorotrifluoroethane	7.9	U	7.9	2.3	ppb v/v			06/13/25 14:30	39.7
1,1-Dichloroethene	2.0	U	2.0	1.4	ppb v/v			06/13/25 14:30	39.7
Acetone	1500	D	200	75	ppb v/v			06/13/25 14:30	39.7
Isopropyl alcohol	200	U	200	87	ppb v/v			06/13/25 14:30	39.7
Carbon disulfide	19	J D	20	7.1	ppb v/v			06/13/25 14:30	39.7
3-Chloropropene	20	U	20	3.2	ppb v/v			06/13/25 14:30	39.7
Methylene Chloride	20	U	20	7.5	ppb v/v			06/13/25 14:30	39.7
tert-Butyl alcohol	200	U	200	64	ppb v/v			06/13/25 14:30	39.7
Methyl tert-butyl ether	7.9	U	7.9	2.6	ppb v/v			06/13/25 14:30	39.7
trans-1,2-Dichloroethene	7.9	U	7.9	0.79	ppb v/v			06/13/25 14:30	39.7
n-Hexane	680	D	20	6.4	ppb v/v			06/13/25 14:30	39.7
1,1-Dichloroethane	7.9	U	7.9	0.71	ppb v/v			06/13/25 14:30	39.7
Methyl Ethyl Ketone (2-Butanone)	54	D	20	5.6	ppb v/v			06/13/25 14:30	39.7
cis-1,2-Dichloroethene	2.0	U	2.0	1.3	ppb v/v			06/13/25 14:30	39.7
Chloroform	7.9	U	7.9	2.3	ppb v/v			06/13/25 14:30	39.7
Tetrahydrofuran	200	U	200	67	ppb v/v			06/13/25 14:30	39.7
1,1,1-Trichloroethane	7.9	U	7.9	2.9	ppb v/v			06/13/25 14:30	39.7
Cyclohexane	210	D	7.9	2.1	ppb v/v			06/13/25 14:30	39.7
Carbon tetrachloride	1.4	U	1.4	0.95	ppb v/v			06/13/25 14:30	39.7
2,2,4-Trimethylpentane	7.9	U	7.9	2.8	ppb v/v			06/13/25 14:30	39.7
Benzene	2.2	J D	7.9	2.0	ppb v/v			06/13/25 14:30	39.7
1,2-Dichloroethane	7.9	U	7.9	2.9	ppb v/v			06/13/25 14:30	39.7
n-Heptane	530	D	7.9	3.4	ppb v/v			06/13/25 14:30	39.7
Trichloroethene	1.5	U	1.5	1.2	ppb v/v			06/13/25 14:30	39.7
Methyl methacrylate	20	U	20	5.2	ppb v/v			06/13/25 14:30	39.7
1,2-Dichloropropane	7.9	U	7.9	2.2	ppb v/v			06/13/25 14:30	39.7
1,4-Dioxane	200	U	200	7.5	ppb v/v			06/13/25 14:30	39.7
Bromodichloromethane	7.9	U	7.9	2.3	ppb v/v			06/13/25 14:30	39.7
cis-1,3-Dichloropropene	7.9	U	7.9	2.2	ppb v/v			06/13/25 14:30	39.7
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20	U	20	7.5	ppb v/v			06/13/25 14:30	39.7
Toluene	18	D	7.9	2.1	ppb v/v			06/13/25 14:30	39.7
trans-1,3-Dichloropropene	7.9	U	7.9	2.5	ppb v/v			06/13/25 14:30	39.7
1,1,2-Trichloroethane	7.9	U	7.9	2.1	ppb v/v			06/13/25 14:30	39.7
Tetrachloroethene	7.9	U	7.9	1.4	ppb v/v			06/13/25 14:30	39.7
Methyl Butyl Ketone (2-Hexanone)	20	U	20	7.9	ppb v/v			06/13/25 14:30	39.7
Dibromochloromethane	7.9	U	7.9	2.1	ppb v/v			06/13/25 14:30	39.7
1,2-Dibromoethane	7.9	U	7.9	1.8	ppb v/v			06/13/25 14:30	39.7
Chlorobenzene	7.9	U	7.9	1.9	ppb v/v			06/13/25 14:30	39.7
Ethylbenzene	9.6	D	7.9	2.0	ppb v/v			06/13/25 14:30	39.7
m,p-Xylene	23	D	20	0.56	ppb v/v			06/13/25 14:30	39.7
o-Xylene	11	D	7.9	2.7	ppb v/v			06/13/25 14:30	39.7
Styrene	7.9	U	7.9	2.2	ppb v/v			06/13/25 14:30	39.7
Bromoform	7.9	U	7.9	2.3	ppb v/v			06/13/25 14:30	39.7

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	7.9	U	7.9	2.9	ppb v/v			06/13/25 14:30	39.7
1,1,2,2-Tetrachloroethane	7.9	U	7.9	2.4	ppb v/v			06/13/25 14:30	39.7
n-Propylbenzene	6.1	J D	7.9	2.5	ppb v/v			06/13/25 14:30	39.7
4-Ethyltoluene	7.6	J D	7.9	2.7	ppb v/v			06/13/25 14:30	39.7
1,3,5-Trimethylbenzene	6.1	J D	7.9	2.7	ppb v/v			06/13/25 14:30	39.7
2-Chlorotoluene	7.9	U	7.9	2.3	ppb v/v			06/13/25 14:30	39.7
tert-Butylbenzene	7.9	U	7.9	2.8	ppb v/v			06/13/25 14:30	39.7
1,2,4-Trimethylbenzene	21	D	7.9	3.3	ppb v/v			06/13/25 14:30	39.7
sec-Butylbenzene	7.9	U	7.9	2.9	ppb v/v			06/13/25 14:30	39.7
4-Isopropyltoluene	7.9	U	7.9	3.1	ppb v/v			06/13/25 14:30	39.7
1,3-Dichlorobenzene	7.9	U	7.9	2.5	ppb v/v			06/13/25 14:30	39.7
1,4-Dichlorobenzene	7.9	U	7.9	2.8	ppb v/v			06/13/25 14:30	39.7
Benzyl chloride	7.9	U	7.9	2.9	ppb v/v			06/13/25 14:30	39.7
n-Butylbenzene	2.8	J D	7.9	2.8	ppb v/v			06/13/25 14:30	39.7
1,2-Dichlorobenzene	7.9	U	7.9	2.6	ppb v/v			06/13/25 14:30	39.7
1,2,4-Trichlorobenzene	20	U	20	12	ppb v/v			06/13/25 14:30	39.7
Hexachlorobutadiene	7.9	U	7.9	3.1	ppb v/v			06/13/25 14:30	39.7
Naphthalene	15	U	15	4.4	ppb v/v			06/13/25 14:30	39.7

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	49	U	49	22	ug/m3			06/13/25 15:21	20
Chlorodifluoromethane	35	U	35	25	ug/m3			06/13/25 15:21	20
1,2-Dichlorotetrafluoroethane	28	U	28	11	ug/m3			06/13/25 15:21	20
Chloromethane	21	U	21	14	ug/m3			06/13/25 15:21	20
n-Butane	98		24	15	ug/m3			06/13/25 15:21	20
Vinyl chloride	4.0	U	4.0	1.5	ug/m3			06/13/25 15:21	20
1,3-Butadiene	8.8	U	8.8	1.8	ug/m3			06/13/25 15:21	20
Bromomethane	16	U	16	4.8	ug/m3			06/13/25 15:21	20
Chloroethane	26	U	26	8.4	ug/m3			06/13/25 15:21	20
Bromoethene(Vinyl Bromide)	17	U	17	4.2	ug/m3			06/13/25 15:21	20
Trichlorofluoromethane	22	U	22	8.7	ug/m3			06/13/25 15:21	20
1,1,2-Trichlorotrifluoroethane	31	U	31	8.7	ug/m3			06/13/25 15:21	20
1,1-Dichloroethene	4.0	U	4.0	2.8	ug/m3			06/13/25 15:21	20
Acetone	4700	E	240	90	ug/m3			06/13/25 15:21	20
Isopropyl alcohol	250	U	250	110	ug/m3			06/13/25 15:21	20
Carbon disulfide	24	J	31	11	ug/m3			06/13/25 15:21	20
3-Chloropropene	31	U	31	5.1	ug/m3			06/13/25 15:21	20
Methylene Chloride	35	U	35	13	ug/m3			06/13/25 15:21	20
tert-Butyl alcohol	160	J	300	97	ug/m3			06/13/25 15:21	20
Methyl tert-butyl ether	14	U	14	4.8	ug/m3			06/13/25 15:21	20
trans-1,2-Dichloroethene	16	U	16	1.6	ug/m3			06/13/25 15:21	20
n-Hexane	58		35	11	ug/m3			06/13/25 15:21	20
1,1-Dichloroethane	16	U	16	1.5	ug/m3			06/13/25 15:21	20

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	130		29	8.3	ug/m3			06/13/25 15:21	20
cis-1,2-Dichloroethene	4.0	U	4.0	2.5	ug/m3			06/13/25 15:21	20
Chloroform	20	U	20	5.8	ug/m3			06/13/25 15:21	20
Tetrahydrofuran	290	U	290	100	ug/m3			06/13/25 15:21	20
1,1,1-Trichloroethane	22	U	22	8.0	ug/m3			06/13/25 15:21	20
Cyclohexane	890		14	3.6	ug/m3			06/13/25 15:21	20
Carbon tetrachloride	4.4	U	4.4	3.0	ug/m3			06/13/25 15:21	20
2,2,4-Trimethylpentane	28		19	6.6	ug/m3			06/13/25 15:21	20
Benzene	4.4 J		13	3.3	ug/m3			06/13/25 15:21	20
1,2-Dichloroethane	16	U	16	6.0	ug/m3			06/13/25 15:21	20
n-Heptane	150		16	7.0	ug/m3			06/13/25 15:21	20
Trichloroethene	4.0	U	4.0	3.1	ug/m3			06/13/25 15:21	20
Methyl methacrylate	41	U	41	11	ug/m3			06/13/25 15:21	20
1,2-Dichloropropane	18	U	18	5.1	ug/m3			06/13/25 15:21	20
1,4-Dioxane	360	U	360	14	ug/m3			06/13/25 15:21	20
Bromodichloromethane	27	U	27	7.8	ug/m3			06/13/25 15:21	20
cis-1,3-Dichloropropene	18	U	18	5.1	ug/m3			06/13/25 15:21	20
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	U	41	16	ug/m3			06/13/25 15:21	20
Toluene	27		15	4.1	ug/m3			06/13/25 15:21	20
trans-1,3-Dichloropropene	18	U	18	5.6	ug/m3			06/13/25 15:21	20
1,1,2-Trichloroethane	22	U	22	5.8	ug/m3			06/13/25 15:21	20
Tetrachloroethene	140		27	4.9	ug/m3			06/13/25 15:21	20
Methyl Butyl Ketone (2-Hexanone)	41	U	41	16	ug/m3			06/13/25 15:21	20
Dibromochloromethane	34	U	34	9.0	ug/m3			06/13/25 15:21	20
1,2-Dibromoethane	31	U	31	6.9	ug/m3			06/13/25 15:21	20
Chlorobenzene	18	U	18	4.3	ug/m3			06/13/25 15:21	20
Ethylbenzene	14 J		17	4.4	ug/m3			06/13/25 15:21	20
m,p-Xylene	28 J		43	1.2	ug/m3			06/13/25 15:21	20
o-Xylene	14 J		17	6.0	ug/m3			06/13/25 15:21	20
Styrene	17	U	17	4.8	ug/m3			06/13/25 15:21	20
Bromoform	41	U	41	12	ug/m3			06/13/25 15:21	20
Cumene	20	U	20	7.1	ug/m3			06/13/25 15:21	20
1,1,2,2-Tetrachloroethane	27	U	27	8.4	ug/m3			06/13/25 15:21	20
n-Propylbenzene	20	U	20	6.1	ug/m3			06/13/25 15:21	20
4-Ethyltoluene	20	U	20	6.7	ug/m3			06/13/25 15:21	20
1,3,5-Trimethylbenzene	8.0 J		20	6.7	ug/m3			06/13/25 15:21	20
2-Chlorotoluene	21	U	21	6.0	ug/m3			06/13/25 15:21	20
tert-Butylbenzene	22	U	22	7.7	ug/m3			06/13/25 15:21	20
1,2,4-Trimethylbenzene	25		20	8.1	ug/m3			06/13/25 15:21	20
sec-Butylbenzene	22	U	22	7.9	ug/m3			06/13/25 15:21	20
4-Isopropyltoluene	22	U	22	8.6	ug/m3			06/13/25 15:21	20
1,3-Dichlorobenzene	24	U	24	7.6	ug/m3			06/13/25 15:21	20
1,4-Dichlorobenzene	24	U	24	8.4	ug/m3			06/13/25 15:21	20
Benzyl chloride	21	U	21	7.7	ug/m3			06/13/25 15:21	20
n-Butylbenzene	22	U	22	7.7	ug/m3			06/13/25 15:21	20
1,2-Dichlorobenzene	24	U	24	7.9	ug/m3			06/13/25 15:21	20
1,2,4-Trichlorobenzene	74	U	74	45	ug/m3			06/13/25 15:21	20
Hexachlorobutadiene	43	U	43	17	ug/m3			06/13/25 15:21	20

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	14	J	40	12	ug/m3			06/13/25 15:21	20
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	10	U	10	4.4	ppb v/v			06/13/25 15:21	20
Chlorodifluoromethane	10	U	10	7.2	ppb v/v			06/13/25 15:21	20
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	1.5	ppb v/v			06/13/25 15:21	20
Chloromethane	10	U	10	6.6	ppb v/v			06/13/25 15:21	20
n-Butane	41		10	6.2	ppb v/v			06/13/25 15:21	20
Vinyl chloride	1.6	U	1.6	0.58	ppb v/v			06/13/25 15:21	20
1,3-Butadiene	4.0	U	4.0	0.80	ppb v/v			06/13/25 15:21	20
Bromomethane	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
Chloroethane	10	U	10	3.2	ppb v/v			06/13/25 15:21	20
Bromoethene(Vinyl Bromide)	4.0	U	4.0	0.96	ppb v/v			06/13/25 15:21	20
Trichlorofluoromethane	4.0	U	4.0	1.5	ppb v/v			06/13/25 15:21	20
1,1,2-Trichlorotrifluoroethane	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
1,1-Dichloroethene	1.0	U	1.0	0.70	ppb v/v			06/13/25 15:21	20
Acetone	2000	E	100	38	ppb v/v			06/13/25 15:21	20
Isopropyl alcohol	100	U	100	44	ppb v/v			06/13/25 15:21	20
Carbon disulfide	7.6	J	10	3.6	ppb v/v			06/13/25 15:21	20
3-Chloropropene	10	U	10	1.6	ppb v/v			06/13/25 15:21	20
Methylene Chloride	10	U	10	3.8	ppb v/v			06/13/25 15:21	20
tert-Butyl alcohol	53	J	100	32	ppb v/v			06/13/25 15:21	20
Methyl tert-butyl ether	4.0	U	4.0	1.3	ppb v/v			06/13/25 15:21	20
trans-1,2-Dichloroethene	4.0	U	4.0	0.40	ppb v/v			06/13/25 15:21	20
n-Hexane	17		10	3.2	ppb v/v			06/13/25 15:21	20
1,1-Dichloroethane	4.0	U	4.0	0.36	ppb v/v			06/13/25 15:21	20
Methyl Ethyl Ketone (2-Butanone)	43		10	2.8	ppb v/v			06/13/25 15:21	20
cis-1,2-Dichloroethene	1.0	U	1.0	0.64	ppb v/v			06/13/25 15:21	20
Chloroform	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
Tetrahydrofuran	100	U	100	34	ppb v/v			06/13/25 15:21	20
1,1,1-Trichloroethane	4.0	U	4.0	1.5	ppb v/v			06/13/25 15:21	20
Cyclohexane	260		4.0	1.0	ppb v/v			06/13/25 15:21	20
Carbon tetrachloride	0.70	U	0.70	0.48	ppb v/v			06/13/25 15:21	20
2,2,4-Trimethylpentane	6.0		4.0	1.4	ppb v/v			06/13/25 15:21	20
Benzene	1.4	J	4.0	1.0	ppb v/v			06/13/25 15:21	20
1,2-Dichloroethane	4.0	U	4.0	1.5	ppb v/v			06/13/25 15:21	20
n-Heptane	37		4.0	1.7	ppb v/v			06/13/25 15:21	20
Trichloroethene	0.74	U	0.74	0.58	ppb v/v			06/13/25 15:21	20
Methyl methacrylate	10	U	10	2.6	ppb v/v			06/13/25 15:21	20
1,2-Dichloropropane	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
1,4-Dioxane	100	U	100	3.8	ppb v/v			06/13/25 15:21	20
Bromodichloromethane	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
cis-1,3-Dichloropropene	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	U	10	3.8	ppb v/v			06/13/25 15:21	20
Toluene	7.1		4.0	1.1	ppb v/v			06/13/25 15:21	20
trans-1,3-Dichloropropene	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
1,1,2-Trichloroethane	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
Tetrachloroethene	21		4.0	0.72	ppb v/v			06/13/25 15:21	20

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	10	U	10	4.0	ppb v/v			06/13/25 15:21	20
Dibromochloromethane	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
1,2-Dibromoethane	4.0	U	4.0	0.90	ppb v/v			06/13/25 15:21	20
Chlorobenzene	4.0	U	4.0	0.94	ppb v/v			06/13/25 15:21	20
Ethylbenzene	3.2	J	4.0	1.0	ppb v/v			06/13/25 15:21	20
m,p-Xylene	6.5	J	10	0.28	ppb v/v			06/13/25 15:21	20
o-Xylene	3.2	J	4.0	1.4	ppb v/v			06/13/25 15:21	20
Styrene	4.0	U	4.0	1.1	ppb v/v			06/13/25 15:21	20
Bromoform	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
Cumene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
n-Propylbenzene	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
4-Ethyltoluene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
1,3,5-Trimethylbenzene	1.6	J	4.0	1.4	ppb v/v			06/13/25 15:21	20
2-Chlorotoluene	4.0	U	4.0	1.2	ppb v/v			06/13/25 15:21	20
tert-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
1,2,4-Trimethylbenzene	5.0		4.0	1.6	ppb v/v			06/13/25 15:21	20
sec-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
4-Isopropyltoluene	4.0	U	4.0	1.6	ppb v/v			06/13/25 15:21	20
1,3-Dichlorobenzene	4.0	U	4.0	1.3	ppb v/v			06/13/25 15:21	20
1,4-Dichlorobenzene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
Benzyl chloride	4.0	U	4.0	1.5	ppb v/v			06/13/25 15:21	20
n-Butylbenzene	4.0	U	4.0	1.4	ppb v/v			06/13/25 15:21	20
1,2-Dichlorobenzene	4.0	U	4.0	1.3	ppb v/v			06/13/25 15:21	20
1,2,4-Trichlorobenzene	10	U	10	6.0	ppb v/v			06/13/25 15:21	20
Hexachlorobutadiene	4.0	U	4.0	1.6	ppb v/v			06/13/25 15:21	20
Naphthalene	2.6	J	7.6	2.2	ppb v/v			06/13/25 15:21	20

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	200	U	200	88	ug/m3			06/16/25 15:12	80.5
Chlorodifluoromethane	140	U	140	100	ug/m3			06/16/25 15:12	80.5
1,2-Dichlorotetrafluoroethane	110	U	110	43	ug/m3			06/16/25 15:12	80.5
Chloromethane	83	U	83	55	ug/m3			06/16/25 15:12	80.5
n-Butane	420	D	96	59	ug/m3			06/16/25 15:12	80.5
Vinyl chloride	16	U	16	6.0	ug/m3			06/16/25 15:12	80.5
1,3-Butadiene	36	U	36	7.1	ug/m3			06/16/25 15:12	80.5
Bromomethane	63	U	63	19	ug/m3			06/16/25 15:12	80.5
Chloroethane	110	U	110	34	ug/m3			06/16/25 15:12	80.5
Bromoethene(Vinyl Bromide)	70	U	70	17	ug/m3			06/16/25 15:12	80.5
Trichlorofluoromethane	90	U	90	35	ug/m3			06/16/25 15:12	80.5
1,1,2-Trichlorotrifluoroethane	120	U	120	35	ug/m3			06/16/25 15:12	80.5
1,1-Dichloroethene	16	U	16	11	ug/m3			06/16/25 15:12	80.5
Acetone	6800	D	960	360	ug/m3			06/16/25 15:12	80.5
Isopropyl alcohol	990	U	990	440	ug/m3			06/16/25 15:12	80.5
Carbon disulfide	46	J D	130	45	ug/m3			06/16/25 15:12	80.5
3-Chloropropene	130	U	130	20	ug/m3			06/16/25 15:12	80.5
Methylene Chloride	140	U	140	53	ug/m3			06/16/25 15:12	80.5
tert-Butyl alcohol	1200	U	1200	390	ug/m3			06/16/25 15:12	80.5

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	58	U	58	19	ug/m3			06/16/25 15:12	80.5
trans-1,2-Dichloroethene	64	U	64	6.4	ug/m3			06/16/25 15:12	80.5
n-Hexane	86	J D	140	45	ug/m3			06/16/25 15:12	80.5
1,1-Dichloroethane	65	U	65	5.9	ug/m3			06/16/25 15:12	80.5
Methyl Ethyl Ketone (2-Butanone)	140	D	120	33	ug/m3			06/16/25 15:12	80.5
cis-1,2-Dichloroethene	16	U	16	10	ug/m3			06/16/25 15:12	80.5
Chloroform	79	U	79	23	ug/m3			06/16/25 15:12	80.5
Tetrahydrofuran	1200	U	1200	400	ug/m3			06/16/25 15:12	80.5
1,1,1-Trichloroethane	88	U	88	32	ug/m3			06/16/25 15:12	80.5
Cyclohexane	1000	D	55	14	ug/m3			06/16/25 15:12	80.5
Carbon tetrachloride	18	U	18	12	ug/m3			06/16/25 15:12	80.5
2,2,4-Trimethylpentane	35	J D	75	27	ug/m3			06/16/25 15:12	80.5
Benzene	51	U	51	13	ug/m3			06/16/25 15:12	80.5
1,2-Dichloroethane	65	U	65	24	ug/m3			06/16/25 15:12	80.5
n-Heptane	170	D	66	28	ug/m3			06/16/25 15:12	80.5
Trichloroethene	16	U	16	13	ug/m3			06/16/25 15:12	80.5
Methyl methacrylate	160	U	160	43	ug/m3			06/16/25 15:12	80.5
1,2-Dichloropropane	74	U	74	20	ug/m3			06/16/25 15:12	80.5
1,4-Dioxane	1500	U	1500	55	ug/m3			06/16/25 15:12	80.5
Bromodichloromethane	110	U	110	31	ug/m3			06/16/25 15:12	80.5
cis-1,3-Dichloropropene	73	U	73	20	ug/m3			06/16/25 15:12	80.5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	160	U	160	63	ug/m3			06/16/25 15:12	80.5
Toluene	40	J D	61	16	ug/m3			06/16/25 15:12	80.5
trans-1,3-Dichloropropene	73	U	73	23	ug/m3			06/16/25 15:12	80.5
1,1,2-Trichloroethane	88	U	88	23	ug/m3			06/16/25 15:12	80.5
Tetrachloroethene	140	D	110	20	ug/m3			06/16/25 15:12	80.5
Methyl Butyl Ketone (2-Hexanone)	160	U	160	66	ug/m3			06/16/25 15:12	80.5
Dibromochloromethane	140	U	140	36	ug/m3			06/16/25 15:12	80.5
1,2-Dibromoethane	120	U	120	28	ug/m3			06/16/25 15:12	80.5
Chlorobenzene	74	U	74	17	ug/m3			06/16/25 15:12	80.5
Ethylbenzene	21	J D	70	18	ug/m3			06/16/25 15:12	80.5
m,p-Xylene	43	J D	170	4.9	ug/m3			06/16/25 15:12	80.5
o-Xylene	70	U	70	24	ug/m3			06/16/25 15:12	80.5
Styrene	69	U	69	19	ug/m3			06/16/25 15:12	80.5
Bromoform	170	U	170	48	ug/m3			06/16/25 15:12	80.5
Cumene	79	U	79	28	ug/m3			06/16/25 15:12	80.5
1,1,2,2-Tetrachloroethane	110	U	110	34	ug/m3			06/16/25 15:12	80.5
n-Propylbenzene	79	U	79	25	ug/m3			06/16/25 15:12	80.5
4-Ethyltoluene	79	U	79	27	ug/m3			06/16/25 15:12	80.5
1,3,5-Trimethylbenzene	79	U	79	27	ug/m3			06/16/25 15:12	80.5
2-Chlorotoluene	83	U	83	24	ug/m3			06/16/25 15:12	80.5
tert-Butylbenzene	88	U	88	31	ug/m3			06/16/25 15:12	80.5
1,2,4-Trimethylbenzene	79	U	79	32	ug/m3			06/16/25 15:12	80.5
sec-Butylbenzene	88	U	88	32	ug/m3			06/16/25 15:12	80.5
4-Isopropyltoluene	88	U	88	34	ug/m3			06/16/25 15:12	80.5
1,3-Dichlorobenzene	97	U	97	30	ug/m3			06/16/25 15:12	80.5
1,4-Dichlorobenzene	97	U	97	34	ug/m3			06/16/25 15:12	80.5
Benzyl chloride	83	U	83	31	ug/m3			06/16/25 15:12	80.5

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	88	U	88	31	ug/m3			06/16/25 15:12	80.5
1,2-Dichlorobenzene	97	U	97	32	ug/m3			06/16/25 15:12	80.5
1,2,4-Trichlorobenzene	300	U	300	180	ug/m3			06/16/25 15:12	80.5
Hexachlorobutadiene	170	U	170	67	ug/m3			06/16/25 15:12	80.5
Naphthalene	160	U	160	46	ug/m3			06/16/25 15:12	80.5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	40	U	40	18	ppb v/v			06/16/25 15:12	80.5
Chlorodifluoromethane	40	U	40	29	ppb v/v			06/16/25 15:12	80.5
1,2-Dichlorotetrafluoroethane	16	U	16	6.1	ppb v/v			06/16/25 15:12	80.5
Chloromethane	40	U	40	27	ppb v/v			06/16/25 15:12	80.5
n-Butane	180	D	40	25	ppb v/v			06/16/25 15:12	80.5
Vinyl chloride	6.3	U	6.3	2.3	ppb v/v			06/16/25 15:12	80.5
1,3-Butadiene	16	U	16	3.2	ppb v/v			06/16/25 15:12	80.5
Bromomethane	16	U	16	5.0	ppb v/v			06/16/25 15:12	80.5
Chloroethane	40	U	40	13	ppb v/v			06/16/25 15:12	80.5
Bromoethene(Vinyl Bromide)	16	U	16	3.9	ppb v/v			06/16/25 15:12	80.5
Trichlorofluoromethane	16	U	16	6.2	ppb v/v			06/16/25 15:12	80.5
1,1,2-Trichlorotrifluoroethane	16	U	16	4.6	ppb v/v			06/16/25 15:12	80.5
1,1-Dichloroethene	4.1	U	4.1	2.8	ppb v/v			06/16/25 15:12	80.5
Acetone	2900	D	400	150	ppb v/v			06/16/25 15:12	80.5
Isopropyl alcohol	400	U	400	180	ppb v/v			06/16/25 15:12	80.5
Carbon disulfide	15	J D	40	14	ppb v/v			06/16/25 15:12	80.5
3-Chloropropene	40	U	40	6.5	ppb v/v			06/16/25 15:12	80.5
Methylene Chloride	40	U	40	15	ppb v/v			06/16/25 15:12	80.5
tert-Butyl alcohol	400	U	400	130	ppb v/v			06/16/25 15:12	80.5
Methyl tert-butyl ether	16	U	16	5.3	ppb v/v			06/16/25 15:12	80.5
trans-1,2-Dichloroethene	16	U	16	1.6	ppb v/v			06/16/25 15:12	80.5
n-Hexane	24	J D	40	13	ppb v/v			06/16/25 15:12	80.5
1,1-Dichloroethane	16	U	16	1.4	ppb v/v			06/16/25 15:12	80.5
Methyl Ethyl Ketone (2-Butanone)	48	D	40	11	ppb v/v			06/16/25 15:12	80.5
cis-1,2-Dichloroethene	4.1	U	4.1	2.6	ppb v/v			06/16/25 15:12	80.5
Chloroform	16	U	16	4.7	ppb v/v			06/16/25 15:12	80.5
Tetrahydrofuran	400	U	400	140	ppb v/v			06/16/25 15:12	80.5
1,1,1-Trichloroethane	16	U	16	5.9	ppb v/v			06/16/25 15:12	80.5
Cyclohexane	290	D	16	4.2	ppb v/v			06/16/25 15:12	80.5
Carbon tetrachloride	2.8	U	2.8	1.9	ppb v/v			06/16/25 15:12	80.5
2,2,4-Trimethylpentane	7.5	J D	16	5.7	ppb v/v			06/16/25 15:12	80.5
Benzene	16	U	16	4.1	ppb v/v			06/16/25 15:12	80.5
1,2-Dichloroethane	16	U	16	6.0	ppb v/v			06/16/25 15:12	80.5
n-Heptane	40	D	16	6.9	ppb v/v			06/16/25 15:12	80.5
Trichloroethene	3.0	U	3.0	2.3	ppb v/v			06/16/25 15:12	80.5
Methyl methacrylate	40	U	40	10	ppb v/v			06/16/25 15:12	80.5
1,2-Dichloropropane	16	U	16	4.4	ppb v/v			06/16/25 15:12	80.5
1,4-Dioxane	400	U	400	15	ppb v/v			06/16/25 15:12	80.5
Bromodichloromethane	16	U	16	4.7	ppb v/v			06/16/25 15:12	80.5
cis-1,3-Dichloropropene	16	U	16	4.5	ppb v/v			06/16/25 15:12	80.5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	40	U	40	15	ppb v/v			06/16/25 15:12	80.5

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Lab Sample ID: 200-78311-7

Date Collected: 06/05/25 09:50

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	11	J D	16	4.3	ppb v/v			06/16/25 15:12	80.5
trans-1,3-Dichloropropene	16	U	16	5.0	ppb v/v			06/16/25 15:12	80.5
1,1,2-Trichloroethane	16	U	16	4.3	ppb v/v			06/16/25 15:12	80.5
Tetrachloroethene	21	D	16	2.9	ppb v/v			06/16/25 15:12	80.5
Methyl Butyl Ketone (2-Hexanone)	40	U	40	16	ppb v/v			06/16/25 15:12	80.5
Dibromochloromethane	16	U	16	4.3	ppb v/v			06/16/25 15:12	80.5
1,2-Dibromoethane	16	U	16	3.6	ppb v/v			06/16/25 15:12	80.5
Chlorobenzene	16	U	16	3.8	ppb v/v			06/16/25 15:12	80.5
Ethylbenzene	4.9	J D	16	4.1	ppb v/v			06/16/25 15:12	80.5
m,p-Xylene	9.9	J D	40	1.1	ppb v/v			06/16/25 15:12	80.5
o-Xylene	16	U	16	5.6	ppb v/v			06/16/25 15:12	80.5
Styrene	16	U	16	4.5	ppb v/v			06/16/25 15:12	80.5
Bromoform	16	U	16	4.7	ppb v/v			06/16/25 15:12	80.5
Cumene	16	U	16	5.8	ppb v/v			06/16/25 15:12	80.5
1,1,2,2-Tetrachloroethane	16	U	16	4.9	ppb v/v			06/16/25 15:12	80.5
n-Propylbenzene	16	U	16	5.0	ppb v/v			06/16/25 15:12	80.5
4-Ethyltoluene	16	U	16	5.5	ppb v/v			06/16/25 15:12	80.5
1,3,5-Trimethylbenzene	16	U	16	5.5	ppb v/v			06/16/25 15:12	80.5
2-Chlorotoluene	16	U	16	4.7	ppb v/v			06/16/25 15:12	80.5
tert-Butylbenzene	16	U	16	5.6	ppb v/v			06/16/25 15:12	80.5
1,2,4-Trimethylbenzene	16	U	16	6.6	ppb v/v			06/16/25 15:12	80.5
sec-Butylbenzene	16	U	16	5.8	ppb v/v			06/16/25 15:12	80.5
4-Isopropyltoluene	16	U	16	6.3	ppb v/v			06/16/25 15:12	80.5
1,3-Dichlorobenzene	16	U	16	5.1	ppb v/v			06/16/25 15:12	80.5
1,4-Dichlorobenzene	16	U	16	5.6	ppb v/v			06/16/25 15:12	80.5
Benzyl chloride	16	U	16	6.0	ppb v/v			06/16/25 15:12	80.5
n-Butylbenzene	16	U	16	5.6	ppb v/v			06/16/25 15:12	80.5
1,2-Dichlorobenzene	16	U	16	5.3	ppb v/v			06/16/25 15:12	80.5
1,2,4-Trichlorobenzene	40	U	40	24	ppb v/v			06/16/25 15:12	80.5
Hexachlorobutadiene	16	U	16	6.3	ppb v/v			06/16/25 15:12	80.5
Naphthalene	31	U	31	8.9	ppb v/v			06/16/25 15:12	80.5

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	11	ug/m3			06/13/25 17:05	10
Chlorodifluoromethane	18	U	18	13	ug/m3			06/13/25 17:05	10
1,2-Dichlorotetrafluoroethane	14	U	14	5.3	ug/m3			06/13/25 17:05	10
Chloromethane	10	U	10	6.8	ug/m3			06/13/25 17:05	10
n-Butane	990	E	12	7.4	ug/m3			06/13/25 17:05	10
Vinyl chloride	2.0	U	2.0	0.74	ug/m3			06/13/25 17:05	10
1,3-Butadiene	4.1	J	4.4	0.88	ug/m3			06/13/25 17:05	10
Bromomethane	7.8	U	7.8	2.4	ug/m3			06/13/25 17:05	10
Chloroethane	13	U	13	4.2	ug/m3			06/13/25 17:05	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.1	ug/m3			06/13/25 17:05	10

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	11	U	11	4.3	ug/m3			06/13/25 17:05	10
1,1,2-Trichlorotrifluoroethane	15	U	15	4.4	ug/m3			06/13/25 17:05	10
1,1-Dichloroethene	2.0	U	2.0	1.4	ug/m3			06/13/25 17:05	10
Acetone	4400	E	120	45	ug/m3			06/13/25 17:05	10
Isopropyl alcohol	120	U	120	54	ug/m3			06/13/25 17:05	10
Carbon disulfide	85		16	5.6	ug/m3			06/13/25 17:05	10
3-Chloropropene	16	U	16	2.5	ug/m3			06/13/25 17:05	10
Methylene Chloride	17	U	17	6.6	ug/m3			06/13/25 17:05	10
tert-Butyl alcohol	150	U	150	49	ug/m3			06/13/25 17:05	10
Methyl tert-butyl ether	7.2	U	7.2	2.4	ug/m3			06/13/25 17:05	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.79	ug/m3			06/13/25 17:05	10
n-Hexane	130		18	5.6	ug/m3			06/13/25 17:05	10
1,1-Dichloroethane	8.1	U	8.1	0.73	ug/m3			06/13/25 17:05	10
Methyl Ethyl Ketone (2-Butanone)	130		15	4.1	ug/m3			06/13/25 17:05	10
cis-1,2-Dichloroethene	2.0	U	2.0	1.3	ug/m3			06/13/25 17:05	10
Chloroform	9.8	U	9.8	2.9	ug/m3			06/13/25 17:05	10
Tetrahydrofuran	150	U	150	50	ug/m3			06/13/25 17:05	10
1,1,1-Trichloroethane	11	U	11	4.0	ug/m3			06/13/25 17:05	10
Cyclohexane	480		6.9	1.8	ug/m3			06/13/25 17:05	10
Carbon tetrachloride	2.2	U	2.2	1.5	ug/m3			06/13/25 17:05	10
2,2,4-Trimethylpentane	29		9.3	3.3	ug/m3			06/13/25 17:05	10
Benzene	3.6	J	6.4	1.6	ug/m3			06/13/25 17:05	10
1,2-Dichloroethane	8.1	U	8.1	3.0	ug/m3			06/13/25 17:05	10
n-Heptane	44		8.2	3.5	ug/m3			06/13/25 17:05	10
Trichloroethene	2.0	U	2.0	1.6	ug/m3			06/13/25 17:05	10
Methyl methacrylate	20	U	20	5.3	ug/m3			06/13/25 17:05	10
1,2-Dichloropropane	9.2	U	9.2	2.5	ug/m3			06/13/25 17:05	10
1,4-Dioxane	180	U	180	6.8	ug/m3			06/13/25 17:05	10
Bromodichloromethane	13	U	13	3.9	ug/m3			06/13/25 17:05	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			06/13/25 17:05	10
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20	U	20	7.8	ug/m3			06/13/25 17:05	10
Toluene	65		7.5	2.0	ug/m3			06/13/25 17:05	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.8	ug/m3			06/13/25 17:05	10
1,1,2-Trichloroethane	11	U	11	2.9	ug/m3			06/13/25 17:05	10
Tetrachloroethene	8.3	J	14	2.4	ug/m3			06/13/25 17:05	10
Methyl Butyl Ketone (2-Hexanone)	50		20	8.2	ug/m3			06/13/25 17:05	10
Dibromochloromethane	17	U	17	4.5	ug/m3			06/13/25 17:05	10
1,2-Dibromoethane	15	U	15	3.5	ug/m3			06/13/25 17:05	10
Chlorobenzene	9.2	U	9.2	2.2	ug/m3			06/13/25 17:05	10
Ethylbenzene	36		8.7	2.2	ug/m3			06/13/25 17:05	10
m,p-Xylene	84		22	0.61	ug/m3			06/13/25 17:05	10
o-Xylene	38		8.7	3.0	ug/m3			06/13/25 17:05	10
Styrene	8.5	U	8.5	2.4	ug/m3			06/13/25 17:05	10
Bromoform	21	U	21	6.0	ug/m3			06/13/25 17:05	10
Cumene	8.9	J	9.8	3.5	ug/m3			06/13/25 17:05	10
1,1,2,2-Tetrachloroethane	14	U	14	4.2	ug/m3			06/13/25 17:05	10
n-Propylbenzene	22		9.8	3.0	ug/m3			06/13/25 17:05	10
4-Ethyltoluene	26		9.8	3.3	ug/m3			06/13/25 17:05	10

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	19		9.8	3.3	ug/m3			06/13/25 17:05	10
2-Chlorotoluene	10	U	10	3.0	ug/m3			06/13/25 17:05	10
tert-Butylbenzene	11	U	11	3.8	ug/m3			06/13/25 17:05	10
1,2,4-Trimethylbenzene	69		9.8	4.0	ug/m3			06/13/25 17:05	10
sec-Butylbenzene	7.0	J	11	4.0	ug/m3			06/13/25 17:05	10
4-Isopropyltoluene	4.8	J	11	4.3	ug/m3			06/13/25 17:05	10
1,3-Dichlorobenzene	12	U	12	3.8	ug/m3			06/13/25 17:05	10
1,4-Dichlorobenzene	12	U	12	4.2	ug/m3			06/13/25 17:05	10
Benzyl chloride	10	U	10	3.8	ug/m3			06/13/25 17:05	10
n-Butylbenzene	9.7	J	11	3.8	ug/m3			06/13/25 17:05	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			06/13/25 17:05	10
1,2,4-Trichlorobenzene	37	U	37	22	ug/m3			06/13/25 17:05	10
Hexachlorobutadiene	21	U	21	8.3	ug/m3			06/13/25 17:05	10
Naphthalene	20	U	20	5.8	ug/m3			06/13/25 17:05	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	2.2	ppb v/v			06/13/25 17:05	10
Chlorodifluoromethane	5.0	U	5.0	3.6	ppb v/v			06/13/25 17:05	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.76	ppb v/v			06/13/25 17:05	10
Chloromethane	5.0	U	5.0	3.3	ppb v/v			06/13/25 17:05	10
n-Butane	420	E	5.0	3.1	ppb v/v			06/13/25 17:05	10
Vinyl chloride	0.78	U	0.78	0.29	ppb v/v			06/13/25 17:05	10
1,3-Butadiene	1.9	J	2.0	0.40	ppb v/v			06/13/25 17:05	10
Bromomethane	2.0	U	2.0	0.62	ppb v/v			06/13/25 17:05	10
Chloroethane	5.0	U	5.0	1.6	ppb v/v			06/13/25 17:05	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.48	ppb v/v			06/13/25 17:05	10
Trichlorofluoromethane	2.0	U	2.0	0.77	ppb v/v			06/13/25 17:05	10
1,1,2-Trichlorotrifluoroethane	2.0	U	2.0	0.57	ppb v/v			06/13/25 17:05	10
1,1-Dichloroethene	0.50	U	0.50	0.35	ppb v/v			06/13/25 17:05	10
Acetone	1900	E	50	19	ppb v/v			06/13/25 17:05	10
Isopropyl alcohol	50	U	50	22	ppb v/v			06/13/25 17:05	10
Carbon disulfide	27		5.0	1.8	ppb v/v			06/13/25 17:05	10
3-Chloropropene	5.0	U	5.0	0.81	ppb v/v			06/13/25 17:05	10
Methylene Chloride	5.0	U	5.0	1.9	ppb v/v			06/13/25 17:05	10
tert-Butyl alcohol	50	U	50	16	ppb v/v			06/13/25 17:05	10
Methyl tert-butyl ether	2.0	U	2.0	0.66	ppb v/v			06/13/25 17:05	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.20	ppb v/v			06/13/25 17:05	10
n-Hexane	36		5.0	1.6	ppb v/v			06/13/25 17:05	10
1,1-Dichloroethane	2.0	U	2.0	0.18	ppb v/v			06/13/25 17:05	10
Methyl Ethyl Ketone (2-Butanone)	45		5.0	1.4	ppb v/v			06/13/25 17:05	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.32	ppb v/v			06/13/25 17:05	10
Chloroform	2.0	U	2.0	0.59	ppb v/v			06/13/25 17:05	10
Tetrahydrofuran	50	U	50	17	ppb v/v			06/13/25 17:05	10
1,1,1-Trichloroethane	2.0	U	2.0	0.73	ppb v/v			06/13/25 17:05	10
Cyclohexane	140		2.0	0.52	ppb v/v			06/13/25 17:05	10
Carbon tetrachloride	0.35	U	0.35	0.24	ppb v/v			06/13/25 17:05	10
2,2,4-Trimethylpentane	6.2		2.0	0.71	ppb v/v			06/13/25 17:05	10
Benzene	1.1	J	2.0	0.51	ppb v/v			06/13/25 17:05	10
1,2-Dichloroethane	2.0	U	2.0	0.74	ppb v/v			06/13/25 17:05	10

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	11		2.0	0.86	ppb v/v			06/13/25 17:05	10
Trichloroethene	0.37	U	0.37	0.29	ppb v/v			06/13/25 17:05	10
Methyl methacrylate	5.0	U	5.0	1.3	ppb v/v			06/13/25 17:05	10
1,2-Dichloropropane	2.0	U	2.0	0.55	ppb v/v			06/13/25 17:05	10
1,4-Dioxane	50	U	50	1.9	ppb v/v			06/13/25 17:05	10
Bromodichloromethane	2.0	U	2.0	0.58	ppb v/v			06/13/25 17:05	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.56	ppb v/v			06/13/25 17:05	10
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	U	5.0	1.9	ppb v/v			06/13/25 17:05	10
Toluene	17		2.0	0.54	ppb v/v			06/13/25 17:05	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.62	ppb v/v			06/13/25 17:05	10
1,1,2-Trichloroethane	2.0	U	2.0	0.53	ppb v/v			06/13/25 17:05	10
Tetrachloroethene	1.2 J		2.0	0.36	ppb v/v			06/13/25 17:05	10
Methyl Butyl Ketone (2-Hexanone)	12		5.0	2.0	ppb v/v			06/13/25 17:05	10
Dibromochloromethane	2.0	U	2.0	0.53	ppb v/v			06/13/25 17:05	10
1,2-Dibromoethane	2.0	U	2.0	0.45	ppb v/v			06/13/25 17:05	10
Chlorobenzene	2.0	U	2.0	0.47	ppb v/v			06/13/25 17:05	10
Ethylbenzene	8.2		2.0	0.51	ppb v/v			06/13/25 17:05	10
m,p-Xylene	19		5.0	0.14	ppb v/v			06/13/25 17:05	10
o-Xylene	8.8		2.0	0.69	ppb v/v			06/13/25 17:05	10
Styrene	2.0	U	2.0	0.56	ppb v/v			06/13/25 17:05	10
Bromoform	2.0	U	2.0	0.58	ppb v/v			06/13/25 17:05	10
Cumene	1.8 J		2.0	0.72	ppb v/v			06/13/25 17:05	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.61	ppb v/v			06/13/25 17:05	10
n-Propylbenzene	4.4		2.0	0.62	ppb v/v			06/13/25 17:05	10
4-Ethyltoluene	5.3		2.0	0.68	ppb v/v			06/13/25 17:05	10
1,3,5-Trimethylbenzene	3.9		2.0	0.68	ppb v/v			06/13/25 17:05	10
2-Chlorotoluene	2.0	U	2.0	0.58	ppb v/v			06/13/25 17:05	10
tert-Butylbenzene	2.0	U	2.0	0.70	ppb v/v			06/13/25 17:05	10
1,2,4-Trimethylbenzene	14		2.0	0.82	ppb v/v			06/13/25 17:05	10
sec-Butylbenzene	1.3 J		2.0	0.72	ppb v/v			06/13/25 17:05	10
4-Isopropyltoluene	0.88 J		2.0	0.78	ppb v/v			06/13/25 17:05	10
1,3-Dichlorobenzene	2.0	U	2.0	0.63	ppb v/v			06/13/25 17:05	10
1,4-Dichlorobenzene	2.0	U	2.0	0.70	ppb v/v			06/13/25 17:05	10
Benzyl chloride	2.0	U	2.0	0.74	ppb v/v			06/13/25 17:05	10
n-Butylbenzene	1.8 J		2.0	0.70	ppb v/v			06/13/25 17:05	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			06/13/25 17:05	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.0	ppb v/v			06/13/25 17:05	10
Hexachlorobutadiene	2.0	U	2.0	0.78	ppb v/v			06/13/25 17:05	10
Naphthalene	3.8	U	3.8	1.1	ppb v/v			06/13/25 17:05	10

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	260	U	260	110	ug/m3			06/16/25 16:04	104
Chlorodifluoromethane	180	U	180	130	ug/m3			06/16/25 16:04	104
1,2-Dichlorotetrafluoroethane	150	U	150	55	ug/m3			06/16/25 16:04	104
Chloromethane	110	U	110	71	ug/m3			06/16/25 16:04	104
n-Butane	1400 D		120	77	ug/m3			06/16/25 16:04	104
Vinyl chloride	21	U	21	7.7	ug/m3			06/16/25 16:04	104

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	46	U	46	9.2	ug/m3			06/16/25 16:04	104
Bromomethane	81	U	81	25	ug/m3			06/16/25 16:04	104
Chloroethane	140	U	140	44	ug/m3			06/16/25 16:04	104
Bromoethene(Vinyl Bromide)	91	U	91	22	ug/m3			06/16/25 16:04	104
Trichlorofluoromethane	120	U	120	45	ug/m3			06/16/25 16:04	104
1,1,2-Trichlorotrifluoroethane	160	U	160	45	ug/m3			06/16/25 16:04	104
1,1-Dichloroethene	21	U	21	14	ug/m3			06/16/25 16:04	104
Acetone	6600	D	1200	470	ug/m3			06/16/25 16:04	104
Isopropyl alcohol	1300	U	1300	560	ug/m3			06/16/25 16:04	104
Carbon disulfide	95	J D	160	58	ug/m3			06/16/25 16:04	104
3-Chloropropene	160	U	160	26	ug/m3			06/16/25 16:04	104
Methylene Chloride	180	U	180	69	ug/m3			06/16/25 16:04	104
tert-Butyl alcohol	1600	U	1600	500	ug/m3			06/16/25 16:04	104
Methyl tert-butyl ether	75	U	75	25	ug/m3			06/16/25 16:04	104
trans-1,2-Dichloroethene	82	U	82	8.2	ug/m3			06/16/25 16:04	104
n-Hexane	140	J D	180	59	ug/m3			06/16/25 16:04	104
1,1-Dichloroethane	84	U	84	7.6	ug/m3			06/16/25 16:04	104
Methyl Ethyl Ketone (2-Butanone)	130	J D	150	43	ug/m3			06/16/25 16:04	104
cis-1,2-Dichloroethene	21	U	21	13	ug/m3			06/16/25 16:04	104
Chloroform	100	U	100	30	ug/m3			06/16/25 16:04	104
Tetrahydrofuran	1500	U	1500	520	ug/m3			06/16/25 16:04	104
1,1,1-Trichloroethane	110	U	110	41	ug/m3			06/16/25 16:04	104
Cyclohexane	530	D	72	19	ug/m3			06/16/25 16:04	104
Carbon tetrachloride	23	U	23	16	ug/m3			06/16/25 16:04	104
2,2,4-Trimethylpentane	97	U	97	34	ug/m3			06/16/25 16:04	104
Benzene	66	U	66	17	ug/m3			06/16/25 16:04	104
1,2-Dichloroethane	84	U	84	31	ug/m3			06/16/25 16:04	104
n-Heptane	53	J D	85	37	ug/m3			06/16/25 16:04	104
Trichloroethene	21	U	21	16	ug/m3			06/16/25 16:04	104
Methyl methacrylate	210	U	210	55	ug/m3			06/16/25 16:04	104
1,2-Dichloropropane	96	U	96	26	ug/m3			06/16/25 16:04	104
1,4-Dioxane	1900	U	1900	71	ug/m3			06/16/25 16:04	104
Bromodichloromethane	140	U	140	40	ug/m3			06/16/25 16:04	104
cis-1,3-Dichloropropene	94	U	94	26	ug/m3			06/16/25 16:04	104
4-Methyl-2-pentanone (Methyl isobutyl ketone)	210	U	210	81	ug/m3			06/16/25 16:04	104
Toluene	69	J D	78	21	ug/m3			06/16/25 16:04	104
trans-1,3-Dichloropropene	94	U	94	29	ug/m3			06/16/25 16:04	104
1,1,2-Trichloroethane	110	U	110	30	ug/m3			06/16/25 16:04	104
Tetrachloroethene	140	U	140	25	ug/m3			06/16/25 16:04	104
Methyl Butyl Ketone (2-Hexanone)	210	U	210	85	ug/m3			06/16/25 16:04	104
Dibromochloromethane	180	U	180	47	ug/m3			06/16/25 16:04	104
1,2-Dibromoethane	160	U	160	36	ug/m3			06/16/25 16:04	104
Chlorobenzene	96	U	96	23	ug/m3			06/16/25 16:04	104
Ethylbenzene	37	J D	90	23	ug/m3			06/16/25 16:04	104
m,p-Xylene	78	J D	230	6.3	ug/m3			06/16/25 16:04	104
o-Xylene	33	J D	90	31	ug/m3			06/16/25 16:04	104
Styrene	89	U	89	25	ug/m3			06/16/25 16:04	104
Bromoform	220	U	220	62	ug/m3			06/16/25 16:04	104

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	100	U	100	37	ug/m3			06/16/25 16:04	104
1,1,2,2-Tetrachloroethane	140	U	140	44	ug/m3			06/16/25 16:04	104
n-Propylbenzene	100	U	100	32	ug/m3			06/16/25 16:04	104
4-Ethyltoluene	100	U	100	35	ug/m3			06/16/25 16:04	104
1,3,5-Trimethylbenzene	100	U	100	35	ug/m3			06/16/25 16:04	104
2-Chlorotoluene	110	U	110	31	ug/m3			06/16/25 16:04	104
tert-Butylbenzene	110	U	110	40	ug/m3			06/16/25 16:04	104
1,2,4-Trimethylbenzene	58	J D	100	42	ug/m3			06/16/25 16:04	104
sec-Butylbenzene	110	U	110	41	ug/m3			06/16/25 16:04	104
4-Isopropyltoluene	110	U	110	45	ug/m3			06/16/25 16:04	104
1,3-Dichlorobenzene	130	U	130	39	ug/m3			06/16/25 16:04	104
1,4-Dichlorobenzene	130	U	130	44	ug/m3			06/16/25 16:04	104
Benzyl chloride	110	U	110	40	ug/m3			06/16/25 16:04	104
n-Butylbenzene	110	U	110	40	ug/m3			06/16/25 16:04	104
1,2-Dichlorobenzene	130	U	130	41	ug/m3			06/16/25 16:04	104
1,2,4-Trichlorobenzene	390	U	390	230	ug/m3			06/16/25 16:04	104
Hexachlorobutadiene	220	U	220	87	ug/m3			06/16/25 16:04	104
Naphthalene	210	U	210	60	ug/m3			06/16/25 16:04	104
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	52	U	52	23	ppb v/v			06/16/25 16:04	104
Chlorodifluoromethane	52	U	52	37	ppb v/v			06/16/25 16:04	104
1,2-Dichlorotetrafluoroethane	21	U	21	7.9	ppb v/v			06/16/25 16:04	104
Chloromethane	52	U	52	34	ppb v/v			06/16/25 16:04	104
n-Butane	590	D	52	32	ppb v/v			06/16/25 16:04	104
Vinyl chloride	8.1	U	8.1	3.0	ppb v/v			06/16/25 16:04	104
1,3-Butadiene	21	U	21	4.2	ppb v/v			06/16/25 16:04	104
Bromomethane	21	U	21	6.4	ppb v/v			06/16/25 16:04	104
Chloroethane	52	U	52	17	ppb v/v			06/16/25 16:04	104
Bromoethene(Vinyl Bromide)	21	U	21	5.0	ppb v/v			06/16/25 16:04	104
Trichlorofluoromethane	21	U	21	8.0	ppb v/v			06/16/25 16:04	104
1,1,2-Trichlorotrifluoroethane	21	U	21	5.9	ppb v/v			06/16/25 16:04	104
1,1-Dichloroethene	5.2	U	5.2	3.6	ppb v/v			06/16/25 16:04	104
Acetone	2800	D	520	200	ppb v/v			06/16/25 16:04	104
Isopropyl alcohol	520	U	520	230	ppb v/v			06/16/25 16:04	104
Carbon disulfide	30	J D	52	19	ppb v/v			06/16/25 16:04	104
3-Chloropropene	52	U	52	8.4	ppb v/v			06/16/25 16:04	104
Methylene Chloride	52	U	52	20	ppb v/v			06/16/25 16:04	104
tert-Butyl alcohol	520	U	520	170	ppb v/v			06/16/25 16:04	104
Methyl tert-butyl ether	21	U	21	6.9	ppb v/v			06/16/25 16:04	104
trans-1,2-Dichloroethene	21	U	21	2.1	ppb v/v			06/16/25 16:04	104
n-Hexane	39	J D	52	17	ppb v/v			06/16/25 16:04	104
1,1-Dichloroethane	21	U	21	1.9	ppb v/v			06/16/25 16:04	104
Methyl Ethyl Ketone (2-Butanone)	44	J D	52	15	ppb v/v			06/16/25 16:04	104
cis-1,2-Dichloroethene	5.2	U	5.2	3.3	ppb v/v			06/16/25 16:04	104
Chloroform	21	U	21	6.1	ppb v/v			06/16/25 16:04	104
Tetrahydrofuran	520	U	520	180	ppb v/v			06/16/25 16:04	104
1,1,1-Trichloroethane	21	U	21	7.6	ppb v/v			06/16/25 16:04	104
Cyclohexane	150	D	21	5.4	ppb v/v			06/16/25 16:04	104

Eurofins Burlington

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP8-34001322

Lab Sample ID: 200-78311-8

Date Collected: 06/05/25 08:45

Matrix: Air

Date Received: 06/10/25 12:00

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.6	U	3.6	2.5	ppb v/v			06/16/25 16:04	104
2,2,4-Trimethylpentane	21	U	21	7.4	ppb v/v			06/16/25 16:04	104
Benzene	21	U	21	5.3	ppb v/v			06/16/25 16:04	104
1,2-Dichloroethane	21	U	21	7.7	ppb v/v			06/16/25 16:04	104
n-Heptane	13	J D	21	8.9	ppb v/v			06/16/25 16:04	104
Trichloroethene	3.9	U	3.9	3.0	ppb v/v			06/16/25 16:04	104
Methyl methacrylate	52	U	52	14	ppb v/v			06/16/25 16:04	104
1,2-Dichloropropane	21	U	21	5.7	ppb v/v			06/16/25 16:04	104
1,4-Dioxane	520	U	520	20	ppb v/v			06/16/25 16:04	104
Bromodichloromethane	21	U	21	6.0	ppb v/v			06/16/25 16:04	104
cis-1,3-Dichloropropene	21	U	21	5.8	ppb v/v			06/16/25 16:04	104
4-Methyl-2-pentanone (Methyl isobutyl ketone)	52	U	52	20	ppb v/v			06/16/25 16:04	104
Toluene	18	J D	21	5.6	ppb v/v			06/16/25 16:04	104
trans-1,3-Dichloropropene	21	U	21	6.4	ppb v/v			06/16/25 16:04	104
1,1,2-Trichloroethane	21	U	21	5.5	ppb v/v			06/16/25 16:04	104
Tetrachloroethene	21	U	21	3.7	ppb v/v			06/16/25 16:04	104
Methyl Butyl Ketone (2-Hexanone)	52	U	52	21	ppb v/v			06/16/25 16:04	104
Dibromochloromethane	21	U	21	5.5	ppb v/v			06/16/25 16:04	104
1,2-Dibromoethane	21	U	21	4.7	ppb v/v			06/16/25 16:04	104
Chlorobenzene	21	U	21	4.9	ppb v/v			06/16/25 16:04	104
Ethylbenzene	8.4	J D	21	5.3	ppb v/v			06/16/25 16:04	104
m,p-Xylene	18	J D	52	1.5	ppb v/v			06/16/25 16:04	104
o-Xylene	7.6	J D	21	7.2	ppb v/v			06/16/25 16:04	104
Styrene	21	U	21	5.8	ppb v/v			06/16/25 16:04	104
Bromoform	21	U	21	6.0	ppb v/v			06/16/25 16:04	104
Cumene	21	U	21	7.5	ppb v/v			06/16/25 16:04	104
1,1,2,2-Tetrachloroethane	21	U	21	6.3	ppb v/v			06/16/25 16:04	104
n-Propylbenzene	21	U	21	6.4	ppb v/v			06/16/25 16:04	104
4-Ethyltoluene	21	U	21	7.1	ppb v/v			06/16/25 16:04	104
1,3,5-Trimethylbenzene	21	U	21	7.1	ppb v/v			06/16/25 16:04	104
2-Chlorotoluene	21	U	21	6.0	ppb v/v			06/16/25 16:04	104
tert-Butylbenzene	21	U	21	7.3	ppb v/v			06/16/25 16:04	104
1,2,4-Trimethylbenzene	12	J D	21	8.5	ppb v/v			06/16/25 16:04	104
sec-Butylbenzene	21	U	21	7.5	ppb v/v			06/16/25 16:04	104
4-Isopropyltoluene	21	U	21	8.1	ppb v/v			06/16/25 16:04	104
1,3-Dichlorobenzene	21	U	21	6.6	ppb v/v			06/16/25 16:04	104
1,4-Dichlorobenzene	21	U	21	7.3	ppb v/v			06/16/25 16:04	104
Benzyl chloride	21	U	21	7.7	ppb v/v			06/16/25 16:04	104
n-Butylbenzene	21	U	21	7.3	ppb v/v			06/16/25 16:04	104
1,2-Dichlorobenzene	21	U	21	6.9	ppb v/v			06/16/25 16:04	104
1,2,4-Trichlorobenzene	52	U	52	31	ppb v/v			06/16/25 16:04	104
Hexachlorobutadiene	21	U	21	8.1	ppb v/v			06/16/25 16:04	104
Naphthalene	40	U	40	11	ppb v/v			06/16/25 16:04	104

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-217256/5

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	1.1	ug/m3			06/12/25 10:44	1
Chlorodifluoromethane	1.8	U	1.8	1.3	ug/m3			06/12/25 10:44	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.53	ug/m3			06/12/25 10:44	1
Chloromethane	1.0	U	1.0	0.68	ug/m3			06/12/25 10:44	1
n-Butane	1.2	U	1.2	0.74	ug/m3			06/12/25 10:44	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/12/25 10:44	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/12/25 10:44	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/12/25 10:44	1
Chloroethane	1.3	U	1.3	0.42	ug/m3			06/12/25 10:44	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/12/25 10:44	1
Trichlorofluoromethane	1.1	U	1.1	0.43	ug/m3			06/12/25 10:44	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.44	ug/m3			06/12/25 10:44	1
1,1-Dichloroethene	0.20	U	0.20	0.14	ug/m3			06/12/25 10:44	1
Acetone	12	U	12	4.5	ug/m3			06/12/25 10:44	1
Isopropyl alcohol	12	U	12	5.4	ug/m3			06/12/25 10:44	1
Carbon disulfide	1.6	U	1.6	0.56	ug/m3			06/12/25 10:44	1
3-Chloropropene	1.6	U	1.6	0.25	ug/m3			06/12/25 10:44	1
Methylene Chloride	1.7	U	1.7	0.66	ug/m3			06/12/25 10:44	1
tert-Butyl alcohol	15	U	15	4.9	ug/m3			06/12/25 10:44	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/12/25 10:44	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/12/25 10:44	1
n-Hexane	1.8	U	1.8	0.56	ug/m3			06/12/25 10:44	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/12/25 10:44	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.41	ug/m3			06/12/25 10:44	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.13	ug/m3			06/12/25 10:44	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/12/25 10:44	1
Tetrahydrofuran	15	U	15	5.0	ug/m3			06/12/25 10:44	1
1,1,1-Trichloroethane	1.1	U	1.1	0.40	ug/m3			06/12/25 10:44	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/12/25 10:44	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/12/25 10:44	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/12/25 10:44	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/12/25 10:44	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/12/25 10:44	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/12/25 10:44	1
Trichloroethene	0.20	U	0.20	0.16	ug/m3			06/12/25 10:44	1
Methyl methacrylate	2.0	U	2.0	0.53	ug/m3			06/12/25 10:44	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/12/25 10:44	1
1,4-Dioxane	18	U	18	0.68	ug/m3			06/12/25 10:44	1
Bromodichloromethane	1.3	U	1.3	0.39	ug/m3			06/12/25 10:44	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/12/25 10:44	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.78	ug/m3			06/12/25 10:44	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/12/25 10:44	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/12/25 10:44	1
1,1,2-Trichloroethane	1.1	U	1.1	0.29	ug/m3			06/12/25 10:44	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			06/12/25 10:44	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.82	ug/m3			06/12/25 10:44	1
Dibromochloromethane	1.7	U	1.7	0.45	ug/m3			06/12/25 10:44	1
1,2-Dibromoethane	1.5	U	1.5	0.35	ug/m3			06/12/25 10:44	1

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217256/5

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/12/25 10:44	1
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/12/25 10:44	1
m,p-Xylene	2.2	U	2.2	0.061	ug/m3			06/12/25 10:44	1
o-Xylene	0.87	U	0.87	0.30	ug/m3			06/12/25 10:44	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/12/25 10:44	1
Bromoform	2.1	U	2.1	0.60	ug/m3			06/12/25 10:44	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/12/25 10:44	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.42	ug/m3			06/12/25 10:44	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/12/25 10:44	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/12/25 10:44	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/12/25 10:44	1
2-Chlorotoluene	1.0	U	1.0	0.30	ug/m3			06/12/25 10:44	1
tert-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/12/25 10:44	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/12/25 10:44	1
sec-Butylbenzene	1.1	U	1.1	0.40	ug/m3			06/12/25 10:44	1
4-Isopropyltoluene	1.1	U	1.1	0.43	ug/m3			06/12/25 10:44	1
1,3-Dichlorobenzene	1.2	U	1.2	0.38	ug/m3			06/12/25 10:44	1
1,4-Dichlorobenzene	1.2	U	1.2	0.42	ug/m3			06/12/25 10:44	1
Benzyl chloride	1.0	U	1.0	0.38	ug/m3			06/12/25 10:44	1
n-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/12/25 10:44	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			06/12/25 10:44	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.2	ug/m3			06/12/25 10:44	1
Hexachlorobutadiene	2.1	U	2.1	0.83	ug/m3			06/12/25 10:44	1
Naphthalene	2.0	U	2.0	0.58	ug/m3			06/12/25 10:44	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/12/25 10:44	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/12/25 10:44	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/12/25 10:44	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/12/25 10:44	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/12/25 10:44	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/12/25 10:44	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/12/25 10:44	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/12/25 10:44	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/12/25 10:44	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/12/25 10:44	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/12/25 10:44	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/12/25 10:44	1
1,1-Dichloroethene	0.050	U	0.050	0.035	ppb v/v			06/12/25 10:44	1
Acetone	5.0	U	5.0	1.9	ppb v/v			06/12/25 10:44	1
Isopropyl alcohol	5.0	U	5.0	2.2	ppb v/v			06/12/25 10:44	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/12/25 10:44	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/12/25 10:44	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/12/25 10:44	1
tert-Butyl alcohol	5.0	U	5.0	1.6	ppb v/v			06/12/25 10:44	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/12/25 10:44	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/12/25 10:44	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/12/25 10:44	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/12/25 10:44	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217256/5

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.14	ppb v/v			06/12/25 10:44	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.032	ppb v/v			06/12/25 10:44	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/12/25 10:44	1
Tetrahydrofuran	5.0	U	5.0	1.7	ppb v/v			06/12/25 10:44	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/12/25 10:44	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/12/25 10:44	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/12/25 10:44	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/12/25 10:44	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/12/25 10:44	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/12/25 10:44	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/12/25 10:44	1
Trichloroethene	0.037	U	0.037	0.029	ppb v/v			06/12/25 10:44	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/12/25 10:44	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/12/25 10:44	1
1,4-Dioxane	5.0	U	5.0	0.19	ppb v/v			06/12/25 10:44	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/12/25 10:44	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/12/25 10:44	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.19	ppb v/v			06/12/25 10:44	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/12/25 10:44	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/12/25 10:44	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/12/25 10:44	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/12/25 10:44	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/12/25 10:44	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/12/25 10:44	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/12/25 10:44	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/12/25 10:44	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/12/25 10:44	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/12/25 10:44	1
o-Xylene	0.20	U	0.20	0.069	ppb v/v			06/12/25 10:44	1
Styrene	0.20	U	0.20	0.056	ppb v/v			06/12/25 10:44	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/12/25 10:44	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/12/25 10:44	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/12/25 10:44	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/12/25 10:44	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/12/25 10:44	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/12/25 10:44	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/12/25 10:44	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/12/25 10:44	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/12/25 10:44	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/12/25 10:44	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/12/25 10:44	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/12/25 10:44	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/12/25 10:44	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/12/25 10:44	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/12/25 10:44	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/12/25 10:44	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/12/25 10:44	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/12/25 10:44	1

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217256/5

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.11	ppb v/v			06/12/25 10:44	1

Lab Sample ID: LCS 200-217256/3

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	45.8		ug/m3		93	61 - 142
Chlorodifluoromethane	35.4	32.7		ug/m3		93	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	64.9		ug/m3		93	71 - 141
Chloromethane	20.6	19.2		ug/m3		93	56 - 141
n-Butane	23.8	21.8		ug/m3		92	53 - 151
Vinyl chloride	25.6	23.8		ug/m3		93	61 - 135
1,3-Butadiene	22.1	19.2		ug/m3		87	58 - 139
Bromomethane	38.8	36.9		ug/m3		95	72 - 124
Chloroethane	26.4	25.2		ug/m3		96	68 - 130
Bromoethene(Vinyl Bromide)	43.7	43.3		ug/m3		99	75 - 125
Trichlorofluoromethane	56.2	53.3		ug/m3		95	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	70.1		ug/m3		91	70 - 121
1,1-Dichloroethene	39.6	37.3		ug/m3		94	68 - 120
Acetone	23.7	23.0		ug/m3		97	54 - 154
Isopropyl alcohol	24.6	25.4		ug/m3		103	53 - 142
Carbon disulfide	31.1	29.2		ug/m3		94	71 - 138
3-Chloropropene	31.3	30.3		ug/m3		97	50 - 150
Methylene Chloride	34.7	32.1		ug/m3		93	59 - 137
tert-Butyl alcohol	30.3	28.8		ug/m3		95	66 - 132
Methyl tert-butyl ether	36.0	34.9		ug/m3		97	70 - 127
trans-1,2-Dichloroethene	39.6	38.6		ug/m3		97	69 - 137
n-Hexane	35.2	33.8		ug/m3		96	63 - 138
1,1-Dichloroethane	40.5	37.8		ug/m3		93	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	28.4		ug/m3		96	72 - 124
cis-1,2-Dichloroethene	39.6	35.6		ug/m3		90	72 - 121
Chloroform	48.8	45.6		ug/m3		93	73 - 124
Tetrahydrofuran	29.5	27.9		ug/m3		95	60 - 149
1,1,1-Trichloroethane	54.6	51.7		ug/m3		95	72 - 127
Cyclohexane	34.4	33.1		ug/m3		96	76 - 124
Carbon tetrachloride	62.9	61.1		ug/m3		97	71 - 133
2,2,4-Trimethylpentane	46.7	46.1		ug/m3		99	68 - 131
Benzene	31.9	30.7		ug/m3		96	73 - 119
1,2-Dichloroethane	40.5	38.3		ug/m3		95	68 - 135
n-Heptane	41.0	40.7		ug/m3		99	60 - 142
Trichloroethene	53.7	51.7		ug/m3		96	73 - 122
Methyl methacrylate	40.9	40.5		ug/m3		99	73 - 129
1,2-Dichloropropane	46.2	44.9		ug/m3		97	69 - 128
1,4-Dioxane	36.0	35.7		ug/m3		99	66 - 129
Bromodichloromethane	67.0	64.6		ug/m3		96	75 - 127
cis-1,3-Dichloropropene	45.4	44.3		ug/m3		98	74 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217256/3

Matrix: Air

Analysis Batch: 217256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	40.8		ug/m3		100	58 - 144
Toluene	37.7	36.4		ug/m3		97	75 - 122
trans-1,3-Dichloropropene	45.4	48.8		ug/m3		107	74 - 128
1,1,2-Trichloroethane	54.6	53.3		ug/m3		98	75 - 126
Tetrachloroethene	67.8	62.7		ug/m3		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	42.2		ug/m3		103	57 - 143
Dibromochloromethane	85.2	80.5		ug/m3		95	73 - 125
1,2-Dibromoethane	76.8	74.3		ug/m3		97	78 - 122
Chlorobenzene	46.0	43.5		ug/m3		95	76 - 119
Ethylbenzene	43.4	41.9		ug/m3		97	74 - 122
m,p-Xylene	86.8	83.7		ug/m3		96	76 - 121
o-Xylene	43.4	42.5		ug/m3		98	73 - 123
Styrene	42.6	42.7		ug/m3		100	74 - 125
Bromoform	103	98.6		ug/m3		95	53 - 149
Cumene	49.1	48.2		ug/m3		98	73 - 123
1,1,2,2-Tetrachloroethane	68.6	67.5		ug/m3		98	74 - 126
n-Propylbenzene	49.1	48.6		ug/m3		99	73 - 127
4-Ethyltoluene	49.2	49.0		ug/m3		100	75 - 129
1,3,5-Trimethylbenzene	49.2	48.1		ug/m3		98	72 - 126
2-Chlorotoluene	51.8	50.6		ug/m3		98	74 - 126
tert-Butylbenzene	54.9	52.7		ug/m3		96	71 - 125
1,2,4-Trimethylbenzene	49.2	48.2		ug/m3		98	71 - 129
sec-Butylbenzene	54.9	53.6		ug/m3		98	70 - 128
4-Isopropyltoluene	54.9	52.2		ug/m3		95	68 - 130
1,3-Dichlorobenzene	60.1	56.5		ug/m3		94	69 - 131
1,4-Dichlorobenzene	60.1	58.3		ug/m3		97	67 - 132
Benzyl chloride	51.8	54.1		ug/m3		104	60 - 136
n-Butylbenzene	54.9	53.4		ug/m3		97	65 - 137
1,2-Dichlorobenzene	60.1	56.1		ug/m3		93	68 - 129
1,2,4-Trichlorobenzene	74.2	79.0		ug/m3		106	50 - 150
Hexachlorobutadiene	107	99.6		ug/m3		93	58 - 130
Naphthalene	52.4	60.5		ug/m3		115	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.26		ppb v/v		93	61 - 142
Chlorodifluoromethane	10	9.25		ppb v/v		93	60 - 147
1,2-Dichlorotetrafluoroethane	10	9.29		ppb v/v		93	71 - 141
Chloromethane	10	9.28		ppb v/v		93	56 - 141
n-Butane	10	9.18		ppb v/v		92	53 - 151
Vinyl chloride	10	9.30		ppb v/v		93	61 - 135
1,3-Butadiene	10	8.66		ppb v/v		87	58 - 139
Bromomethane	10	9.49		ppb v/v		95	72 - 124
Chloroethane	10	9.56		ppb v/v		96	68 - 130
Bromoethene(Vinyl Bromide)	10	9.90		ppb v/v		99	75 - 125
Trichlorofluoromethane	10	9.48		ppb v/v		95	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.15		ppb v/v		91	70 - 121
1,1-Dichloroethene	10	9.40		ppb v/v		94	68 - 120

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217256/3

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	9.68		ppb v/v		97	54 - 154
Isopropyl alcohol	10	10.3		ppb v/v		103	53 - 142
Carbon disulfide	10	9.38		ppb v/v		94	71 - 138
3-Chloropropene	10	9.69		ppb v/v		97	50 - 150
Methylene Chloride	10	9.25		ppb v/v		93	59 - 137
tert-Butyl alcohol	10	9.49		ppb v/v		95	66 - 132
Methyl tert-butyl ether	10	9.67		ppb v/v		97	70 - 127
trans-1,2-Dichloroethene	10	9.75		ppb v/v		97	69 - 137
n-Hexane	10	9.58		ppb v/v		96	63 - 138
1,1-Dichloroethane	10	9.33		ppb v/v		93	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.62		ppb v/v		96	72 - 124
cis-1,2-Dichloroethene	10	8.99		ppb v/v		90	72 - 121
Chloroform	10	9.33		ppb v/v		93	73 - 124
Tetrahydrofuran	10	9.45		ppb v/v		95	60 - 149
1,1,1-Trichloroethane	10	9.47		ppb v/v		95	72 - 127
Cyclohexane	10	9.62		ppb v/v		96	76 - 124
Carbon tetrachloride	10	9.71		ppb v/v		97	71 - 133
2,2,4-Trimethylpentane	10	9.88		ppb v/v		99	68 - 131
Benzene	10	9.61		ppb v/v		96	73 - 119
1,2-Dichloroethane	10	9.46		ppb v/v		95	68 - 135
n-Heptane	10	9.92		ppb v/v		99	60 - 142
Trichloroethene	10	9.62		ppb v/v		96	73 - 122
Methyl methacrylate	10	9.90		ppb v/v		99	73 - 129
1,2-Dichloropropane	10	9.71		ppb v/v		97	69 - 128
1,4-Dioxane	10	9.90		ppb v/v		99	66 - 129
Bromodichloromethane	10	9.63		ppb v/v		96	75 - 127
cis-1,3-Dichloropropene	10	9.76		ppb v/v		98	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	9.96		ppb v/v		100	58 - 144
Toluene	10	9.67		ppb v/v		97	75 - 122
trans-1,3-Dichloropropene	10	10.7		ppb v/v		107	74 - 128
1,1,2-Trichloroethane	10	9.76		ppb v/v		98	75 - 126
Tetrachloroethene	10	9.24		ppb v/v		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.3		ppb v/v		103	57 - 143
Dibromochloromethane	10	9.45		ppb v/v		95	73 - 125
1,2-Dibromoethane	10	9.67		ppb v/v		97	78 - 122
Chlorobenzene	10	9.45		ppb v/v		95	76 - 119
Ethylbenzene	10	9.66		ppb v/v		97	74 - 122
m,p-Xylene	20	19.3		ppb v/v		96	76 - 121
o-Xylene	10	9.78		ppb v/v		98	73 - 123
Styrene	10	10.0		ppb v/v		100	74 - 125
Bromoform	10	9.53		ppb v/v		95	53 - 149
Cumene	10	9.80		ppb v/v		98	73 - 123
1,1,2,2-Tetrachloroethane	10	9.83		ppb v/v		98	74 - 126
n-Propylbenzene	10	9.89		ppb v/v		99	73 - 127
4-Ethyltoluene	10	9.98		ppb v/v		100	75 - 129
1,3,5-Trimethylbenzene	10	9.78		ppb v/v		98	72 - 126

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217256/3

Matrix: Air

Analysis Batch: 217256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	9.77		ppb v/v		98	74 - 126
tert-Butylbenzene	10	9.60		ppb v/v		96	71 - 125
1,2,4-Trimethylbenzene	10	9.80		ppb v/v		98	71 - 129
sec-Butylbenzene	10	9.76		ppb v/v		98	70 - 128
4-Isopropyltoluene	10	9.50		ppb v/v		95	68 - 130
1,3-Dichlorobenzene	10	9.40		ppb v/v		94	69 - 131
1,4-Dichlorobenzene	10	9.70		ppb v/v		97	67 - 132
Benzyl chloride	10	10.4		ppb v/v		104	60 - 136
n-Butylbenzene	10	9.73		ppb v/v		97	65 - 137
1,2-Dichlorobenzene	10	9.33		ppb v/v		93	68 - 129
1,2,4-Trichlorobenzene	10	10.6		ppb v/v		106	50 - 150
Hexachlorobutadiene	10	9.34		ppb v/v		93	58 - 130
Naphthalene	10	11.5		ppb v/v		115	50 - 150

Lab Sample ID: MB 200-217319/5

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	1.1	ug/m3			06/13/25 10:32	1
Chlorodifluoromethane	1.8	U	1.8	1.3	ug/m3			06/13/25 10:32	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.53	ug/m3			06/13/25 10:32	1
Chloromethane	1.0	U	1.0	0.68	ug/m3			06/13/25 10:32	1
n-Butane	1.2	U	1.2	0.74	ug/m3			06/13/25 10:32	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/13/25 10:32	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/13/25 10:32	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/13/25 10:32	1
Chloroethane	1.3	U	1.3	0.42	ug/m3			06/13/25 10:32	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/13/25 10:32	1
Trichlorofluoromethane	1.1	U	1.1	0.43	ug/m3			06/13/25 10:32	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.44	ug/m3			06/13/25 10:32	1
1,1-Dichloroethene	0.20	U	0.20	0.14	ug/m3			06/13/25 10:32	1
Acetone	12	U	12	4.5	ug/m3			06/13/25 10:32	1
Isopropyl alcohol	12	U	12	5.4	ug/m3			06/13/25 10:32	1
Carbon disulfide	1.6	U	1.6	0.56	ug/m3			06/13/25 10:32	1
3-Chloropropene	1.6	U	1.6	0.25	ug/m3			06/13/25 10:32	1
Methylene Chloride	1.7	U	1.7	0.66	ug/m3			06/13/25 10:32	1
tert-Butyl alcohol	15	U	15	4.9	ug/m3			06/13/25 10:32	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/13/25 10:32	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/13/25 10:32	1
n-Hexane	1.8	U	1.8	0.56	ug/m3			06/13/25 10:32	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/13/25 10:32	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.41	ug/m3			06/13/25 10:32	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.13	ug/m3			06/13/25 10:32	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/13/25 10:32	1
Tetrahydrofuran	15	U	15	5.0	ug/m3			06/13/25 10:32	1
1,1,1-Trichloroethane	1.1	U	1.1	0.40	ug/m3			06/13/25 10:32	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/13/25 10:32	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/13/25 10:32	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217319/5

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/13/25 10:32	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/13/25 10:32	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/13/25 10:32	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/13/25 10:32	1
Trichloroethene	0.20	U	0.20	0.16	ug/m3			06/13/25 10:32	1
Methyl methacrylate	2.0	U	2.0	0.53	ug/m3			06/13/25 10:32	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/13/25 10:32	1
1,4-Dioxane	18	U	18	0.68	ug/m3			06/13/25 10:32	1
Bromodichloromethane	1.3	U	1.3	0.39	ug/m3			06/13/25 10:32	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/13/25 10:32	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.78	ug/m3			06/13/25 10:32	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/13/25 10:32	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/13/25 10:32	1
1,1,2-Trichloroethane	1.1	U	1.1	0.29	ug/m3			06/13/25 10:32	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			06/13/25 10:32	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.82	ug/m3			06/13/25 10:32	1
Dibromochloromethane	1.7	U	1.7	0.45	ug/m3			06/13/25 10:32	1
1,2-Dibromoethane	1.5	U	1.5	0.35	ug/m3			06/13/25 10:32	1
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/13/25 10:32	1
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/13/25 10:32	1
m,p-Xylene	2.2	U	2.2	0.061	ug/m3			06/13/25 10:32	1
o-Xylene	0.87	U	0.87	0.30	ug/m3			06/13/25 10:32	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/13/25 10:32	1
Bromoform	2.1	U	2.1	0.60	ug/m3			06/13/25 10:32	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/13/25 10:32	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.42	ug/m3			06/13/25 10:32	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/13/25 10:32	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/13/25 10:32	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/13/25 10:32	1
2-Chlorotoluene	1.0	U	1.0	0.30	ug/m3			06/13/25 10:32	1
tert-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/13/25 10:32	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/13/25 10:32	1
sec-Butylbenzene	1.1	U	1.1	0.40	ug/m3			06/13/25 10:32	1
4-Isopropyltoluene	1.1	U	1.1	0.43	ug/m3			06/13/25 10:32	1
1,3-Dichlorobenzene	1.2	U	1.2	0.38	ug/m3			06/13/25 10:32	1
1,4-Dichlorobenzene	1.2	U	1.2	0.42	ug/m3			06/13/25 10:32	1
Benzyl chloride	1.0	U	1.0	0.38	ug/m3			06/13/25 10:32	1
n-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/13/25 10:32	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			06/13/25 10:32	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.2	ug/m3			06/13/25 10:32	1
Hexachlorobutadiene	2.1	U	2.1	0.83	ug/m3			06/13/25 10:32	1
Naphthalene	2.0	U	2.0	0.58	ug/m3			06/13/25 10:32	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/13/25 10:32	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/13/25 10:32	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/13/25 10:32	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/13/25 10:32	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217319/5

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/13/25 10:32	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/13/25 10:32	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/13/25 10:32	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/13/25 10:32	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/13/25 10:32	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/13/25 10:32	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/13/25 10:32	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/13/25 10:32	1
1,1-Dichloroethene	0.050	U	0.050	0.035	ppb v/v			06/13/25 10:32	1
Acetone	5.0	U	5.0	1.9	ppb v/v			06/13/25 10:32	1
Isopropyl alcohol	5.0	U	5.0	2.2	ppb v/v			06/13/25 10:32	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/13/25 10:32	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/13/25 10:32	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/13/25 10:32	1
tert-Butyl alcohol	5.0	U	5.0	1.6	ppb v/v			06/13/25 10:32	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/13/25 10:32	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/13/25 10:32	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/13/25 10:32	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/13/25 10:32	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.14	ppb v/v			06/13/25 10:32	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.032	ppb v/v			06/13/25 10:32	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/13/25 10:32	1
Tetrahydrofuran	5.0	U	5.0	1.7	ppb v/v			06/13/25 10:32	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/13/25 10:32	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/13/25 10:32	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/13/25 10:32	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/13/25 10:32	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/13/25 10:32	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/13/25 10:32	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/13/25 10:32	1
Trichloroethene	0.037	U	0.037	0.029	ppb v/v			06/13/25 10:32	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/13/25 10:32	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/13/25 10:32	1
1,4-Dioxane	5.0	U	5.0	0.19	ppb v/v			06/13/25 10:32	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/13/25 10:32	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/13/25 10:32	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.19	ppb v/v			06/13/25 10:32	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/13/25 10:32	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/13/25 10:32	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/13/25 10:32	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/13/25 10:32	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/13/25 10:32	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/13/25 10:32	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/13/25 10:32	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/13/25 10:32	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/13/25 10:32	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/13/25 10:32	1
o-Xylene	0.20	U	0.20	0.069	ppb v/v			06/13/25 10:32	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217319/5

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	0.20	0.056	ppb v/v			06/13/25 10:32	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/13/25 10:32	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/13/25 10:32	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/13/25 10:32	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/13/25 10:32	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/13/25 10:32	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/13/25 10:32	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/13/25 10:32	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 10:32	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/13/25 10:32	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/13/25 10:32	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/13/25 10:32	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/13/25 10:32	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 10:32	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/13/25 10:32	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 10:32	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/13/25 10:32	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/13/25 10:32	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/13/25 10:32	1
Naphthalene	0.38	U	0.38	0.11	ppb v/v			06/13/25 10:32	1

Lab Sample ID: LCS 200-217319/3

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	46.5		ug/m3		94	61 - 142
Chlorodifluoromethane	35.4	34.2		ug/m3		97	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	66.7		ug/m3		95	71 - 141
Chloromethane	20.6	20.4		ug/m3		99	56 - 141
n-Butane	23.8	24.2		ug/m3		102	53 - 151
Vinyl chloride	25.6	25.8		ug/m3		101	61 - 135
1,3-Butadiene	22.1	21.0		ug/m3		95	58 - 139
Bromomethane	38.8	37.2		ug/m3		96	72 - 124
Chloroethane	26.4	26.4		ug/m3		100	68 - 130
Bromoethene(Vinyl Bromide)	43.7	43.1		ug/m3		99	75 - 125
Trichlorofluoromethane	56.2	53.1		ug/m3		95	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	71.2		ug/m3		93	70 - 121
1,1-Dichloroethene	39.6	38.1		ug/m3		96	68 - 120
Acetone	23.7	24.0		ug/m3		101	54 - 154
Isopropyl alcohol	24.6	27.3		ug/m3		111	53 - 142
Carbon disulfide	31.1	30.5		ug/m3		98	71 - 138
3-Chloropropene	31.3	32.9		ug/m3		105	50 - 150
Methylene Chloride	34.7	34.6		ug/m3		100	59 - 137
tert-Butyl alcohol	30.3	30.1		ug/m3		99	66 - 132
Methyl tert-butyl ether	36.0	36.1		ug/m3		100	70 - 127
trans-1,2-Dichloroethene	39.6	40.8		ug/m3		103	69 - 137
n-Hexane	35.2	35.9		ug/m3		102	63 - 138
1,1-Dichloroethane	40.5	39.8		ug/m3		98	66 - 130

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217319/3

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Ethyl Ketone (2-Butanone)	29.5	29.3		ug/m3		99	72 - 124
cis-1,2-Dichloroethene	39.6	36.7		ug/m3		92	72 - 121
Chloroform	48.8	47.2		ug/m3		97	73 - 124
Tetrahydrofuran	29.5	29.6		ug/m3		100	60 - 149
1,1,1-Trichloroethane	54.6	51.9		ug/m3		95	72 - 127
Cyclohexane	34.4	33.7		ug/m3		98	76 - 124
Carbon tetrachloride	62.9	61.0		ug/m3		97	71 - 133
2,2,4-Trimethylpentane	46.7	48.3		ug/m3		103	68 - 131
Benzene	31.9	31.4		ug/m3		98	73 - 119
1,2-Dichloroethane	40.5	39.8		ug/m3		98	68 - 135
n-Heptane	41.0	43.4		ug/m3		106	60 - 142
Trichloroethene	53.7	52.3		ug/m3		97	73 - 122
Methyl methacrylate	40.9	41.5		ug/m3		101	73 - 129
1,2-Dichloropropane	46.2	47.1		ug/m3		102	69 - 128
1,4-Dioxane	36.0	36.2		ug/m3		100	66 - 129
Bromodichloromethane	67.0	65.9		ug/m3		98	75 - 127
cis-1,3-Dichloropropene	45.4	45.1		ug/m3		99	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	43.4		ug/m3		106	58 - 144
Toluene	37.7	37.7		ug/m3		100	75 - 122
trans-1,3-Dichloropropene	45.4	49.8		ug/m3		110	74 - 128
1,1,2-Trichloroethane	54.6	55.6		ug/m3		102	75 - 126
Tetrachloroethene	67.8	64.1		ug/m3		94	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	45.4		ug/m3		111	57 - 143
Dibromochloromethane	85.2	82.2		ug/m3		96	73 - 125
1,2-Dibromoethane	76.8	76.5		ug/m3		100	78 - 122
Chlorobenzene	46.0	44.5		ug/m3		97	76 - 119
Ethylbenzene	43.4	43.5		ug/m3		100	74 - 122
m,p-Xylene	86.8	86.7		ug/m3		100	76 - 121
o-Xylene	43.4	43.7		ug/m3		101	73 - 123
Styrene	42.6	44.1		ug/m3		104	74 - 125
Bromoform	103	99.2		ug/m3		96	53 - 149
Cumene	49.1	49.6		ug/m3		101	73 - 123
1,1,2,2-Tetrachloroethane	68.6	71.3		ug/m3		104	74 - 126
n-Propylbenzene	49.1	50.8		ug/m3		103	73 - 127
4-Ethyltoluene	49.2	51.0		ug/m3		104	75 - 129
1,3,5-Trimethylbenzene	49.2	49.8		ug/m3		101	72 - 126
2-Chlorotoluene	51.8	52.7		ug/m3		102	74 - 126
tert-Butylbenzene	54.9	54.6		ug/m3		99	71 - 125
1,2,4-Trimethylbenzene	49.2	50.1		ug/m3		102	71 - 129
sec-Butylbenzene	54.9	56.0		ug/m3		102	70 - 128
4-Isopropyltoluene	54.9	54.5		ug/m3		99	68 - 130
1,3-Dichlorobenzene	60.1	58.6		ug/m3		97	69 - 131
1,4-Dichlorobenzene	60.1	59.3		ug/m3		99	67 - 132
Benzyl chloride	51.8	56.6		ug/m3		109	60 - 136
n-Butylbenzene	54.9	56.9		ug/m3		104	65 - 137
1,2-Dichlorobenzene	60.1	57.9		ug/m3		96	68 - 129

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217319/3

Matrix: Air

Analysis Batch: 217319

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	74.2	80.5		ug/m3		108	50 - 150
Hexachlorobutadiene	107	105		ug/m3		98	58 - 130
Naphthalene	52.4	62.4		ug/m3		119	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.41		ppb v/v		94	61 - 142
Chlorodifluoromethane	10	9.68		ppb v/v		97	60 - 147
1,2-Dichlorotetrafluoroethane	10	9.54		ppb v/v		95	71 - 141
Chloromethane	10	9.87		ppb v/v		99	56 - 141
n-Butane	10	10.2		ppb v/v		102	53 - 151
Vinyl chloride	10	10.1		ppb v/v		101	61 - 135
1,3-Butadiene	10	9.51		ppb v/v		95	58 - 139
Bromomethane	10	9.59		ppb v/v		96	72 - 124
Chloroethane	10	10.0		ppb v/v		100	68 - 130
Bromoethene(Vinyl Bromide)	10	9.85		ppb v/v		99	75 - 125
Trichlorofluoromethane	10	9.46		ppb v/v		95	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.29		ppb v/v		93	70 - 121
1,1-Dichloroethene	10	9.60		ppb v/v		96	68 - 120
Acetone	10	10.1		ppb v/v		101	54 - 154
Isopropyl alcohol	10	11.1		ppb v/v		111	53 - 142
Carbon disulfide	10	9.81		ppb v/v		98	71 - 138
3-Chloropropene	10	10.5		ppb v/v		105	50 - 150
Methylene Chloride	10	9.96		ppb v/v		100	59 - 137
tert-Butyl alcohol	10	9.92		ppb v/v		99	66 - 132
Methyl tert-butyl ether	10	10.0		ppb v/v		100	70 - 127
trans-1,2-Dichloroethene	10	10.3		ppb v/v		103	69 - 137
n-Hexane	10	10.2		ppb v/v		102	63 - 138
1,1-Dichloroethane	10	9.83		ppb v/v		98	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.94		ppb v/v		99	72 - 124
cis-1,2-Dichloroethene	10	9.25		ppb v/v		92	72 - 121
Chloroform	10	9.67		ppb v/v		97	73 - 124
Tetrahydrofuran	10	10.0		ppb v/v		100	60 - 149
1,1,1-Trichloroethane	10	9.51		ppb v/v		95	72 - 127
Cyclohexane	10	9.78		ppb v/v		98	76 - 124
Carbon tetrachloride	10	9.70		ppb v/v		97	71 - 133
2,2,4-Trimethylpentane	10	10.3		ppb v/v		103	68 - 131
Benzene	10	9.84		ppb v/v		98	73 - 119
1,2-Dichloroethane	10	9.82		ppb v/v		98	68 - 135
n-Heptane	10	10.6		ppb v/v		106	60 - 142
Trichloroethene	10	9.73		ppb v/v		97	73 - 122
Methyl methacrylate	10	10.1		ppb v/v		101	73 - 129
1,2-Dichloropropane	10	10.2		ppb v/v		102	69 - 128
1,4-Dioxane	10	10.0		ppb v/v		100	66 - 129
Bromodichloromethane	10	9.84		ppb v/v		98	75 - 127
cis-1,3-Dichloropropene	10	9.95		ppb v/v		99	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.6		ppb v/v		106	58 - 144
Toluene	10	10.0		ppb v/v		100	75 - 122

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217319/3

Matrix: Air

Analysis Batch: 217319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	10	11.0		ppb v/v		110	74 - 128
1,1,2-Trichloroethane	10	10.2		ppb v/v		102	75 - 126
Tetrachloroethene	10	9.44		ppb v/v		94	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	11.1		ppb v/v		111	57 - 143
Dibromochloromethane	10	9.65		ppb v/v		96	73 - 125
1,2-Dibromoethane	10	9.95		ppb v/v		100	78 - 122
Chlorobenzene	10	9.66		ppb v/v		97	76 - 119
Ethylbenzene	10	10.0		ppb v/v		100	74 - 122
m,p-Xylene	20	20.0		ppb v/v		100	76 - 121
o-Xylene	10	10.1		ppb v/v		101	73 - 123
Styrene	10	10.3		ppb v/v		104	74 - 125
Bromoform	10	9.60		ppb v/v		96	53 - 149
Cumene	10	10.1		ppb v/v		101	73 - 123
1,1,2,2-Tetrachloroethane	10	10.4		ppb v/v		104	74 - 126
n-Propylbenzene	10	10.3		ppb v/v		103	73 - 127
4-Ethyltoluene	10	10.4		ppb v/v		104	75 - 129
1,3,5-Trimethylbenzene	10	10.1		ppb v/v		101	72 - 126
2-Chlorotoluene	10	10.2		ppb v/v		102	74 - 126
tert-Butylbenzene	10	9.94		ppb v/v		99	71 - 125
1,2,4-Trimethylbenzene	10	10.2		ppb v/v		102	71 - 129
sec-Butylbenzene	10	10.2		ppb v/v		102	70 - 128
4-Isopropyltoluene	10	9.93		ppb v/v		99	68 - 130
1,3-Dichlorobenzene	10	9.75		ppb v/v		97	69 - 131
1,4-Dichlorobenzene	10	9.86		ppb v/v		99	67 - 132
Benzyl chloride	10	10.9		ppb v/v		109	60 - 136
n-Butylbenzene	10	10.4		ppb v/v		104	65 - 137
1,2-Dichlorobenzene	10	9.64		ppb v/v		96	68 - 129
1,2,4-Trichlorobenzene	10	10.8		ppb v/v		108	50 - 150
Hexachlorobutadiene	10	9.81		ppb v/v		98	58 - 130
Naphthalene	10	11.9		ppb v/v		119	50 - 150

Lab Sample ID: MB 200-217333/5

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	1.1	ug/m3			06/13/25 12:46	1
Chlorodifluoromethane	1.8	U	1.8	1.3	ug/m3			06/13/25 12:46	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.53	ug/m3			06/13/25 12:46	1
Chloromethane	1.0	U	1.0	0.68	ug/m3			06/13/25 12:46	1
n-Butane	1.2	U	1.2	0.74	ug/m3			06/13/25 12:46	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/13/25 12:46	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/13/25 12:46	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/13/25 12:46	1
Chloroethane	1.3	U	1.3	0.42	ug/m3			06/13/25 12:46	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/13/25 12:46	1
Trichlorofluoromethane	1.1	U	1.1	0.43	ug/m3			06/13/25 12:46	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.44	ug/m3			06/13/25 12:46	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217333/5

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.20	U	0.20	0.14	ug/m3			06/13/25 12:46	1
Acetone	12	U	12	4.5	ug/m3			06/13/25 12:46	1
Isopropyl alcohol	12	U	12	5.4	ug/m3			06/13/25 12:46	1
Carbon disulfide	1.6	U	1.6	0.56	ug/m3			06/13/25 12:46	1
3-Chloropropene	1.6	U	1.6	0.25	ug/m3			06/13/25 12:46	1
Methylene Chloride	1.7	U	1.7	0.66	ug/m3			06/13/25 12:46	1
tert-Butyl alcohol	15	U	15	4.9	ug/m3			06/13/25 12:46	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/13/25 12:46	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/13/25 12:46	1
n-Hexane	1.8	U	1.8	0.56	ug/m3			06/13/25 12:46	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/13/25 12:46	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.41	ug/m3			06/13/25 12:46	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.13	ug/m3			06/13/25 12:46	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/13/25 12:46	1
Tetrahydrofuran	15	U	15	5.0	ug/m3			06/13/25 12:46	1
1,1,1-Trichloroethane	1.1	U	1.1	0.40	ug/m3			06/13/25 12:46	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/13/25 12:46	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/13/25 12:46	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/13/25 12:46	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/13/25 12:46	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/13/25 12:46	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/13/25 12:46	1
Trichloroethene	0.20	U	0.20	0.16	ug/m3			06/13/25 12:46	1
Methyl methacrylate	2.0	U	2.0	0.53	ug/m3			06/13/25 12:46	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/13/25 12:46	1
1,4-Dioxane	18	U	18	0.68	ug/m3			06/13/25 12:46	1
Bromodichloromethane	1.3	U	1.3	0.39	ug/m3			06/13/25 12:46	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/13/25 12:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.78	ug/m3			06/13/25 12:46	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/13/25 12:46	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/13/25 12:46	1
1,1,2-Trichloroethane	1.1	U	1.1	0.29	ug/m3			06/13/25 12:46	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			06/13/25 12:46	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.82	ug/m3			06/13/25 12:46	1
Dibromochloromethane	1.7	U	1.7	0.45	ug/m3			06/13/25 12:46	1
1,2-Dibromoethane	1.5	U	1.5	0.35	ug/m3			06/13/25 12:46	1
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/13/25 12:46	1
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/13/25 12:46	1
m,p-Xylene	2.2	U	2.2	0.061	ug/m3			06/13/25 12:46	1
o-Xylene	0.87	U	0.87	0.30	ug/m3			06/13/25 12:46	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/13/25 12:46	1
Bromoform	2.1	U	2.1	0.60	ug/m3			06/13/25 12:46	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/13/25 12:46	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.42	ug/m3			06/13/25 12:46	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/13/25 12:46	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/13/25 12:46	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/13/25 12:46	1
2-Chlorotoluene	1.0	U	1.0	0.30	ug/m3			06/13/25 12:46	1

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217333/5

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/13/25 12:46	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/13/25 12:46	1
sec-Butylbenzene	1.1	U	1.1	0.40	ug/m3			06/13/25 12:46	1
4-Isopropyltoluene	1.1	U	1.1	0.43	ug/m3			06/13/25 12:46	1
1,3-Dichlorobenzene	1.2	U	1.2	0.38	ug/m3			06/13/25 12:46	1
1,4-Dichlorobenzene	1.2	U	1.2	0.42	ug/m3			06/13/25 12:46	1
Benzyl chloride	1.0	U	1.0	0.38	ug/m3			06/13/25 12:46	1
n-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/13/25 12:46	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			06/13/25 12:46	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.2	ug/m3			06/13/25 12:46	1
Hexachlorobutadiene	2.1	U	2.1	0.83	ug/m3			06/13/25 12:46	1
Naphthalene	2.0	U	2.0	0.58	ug/m3			06/13/25 12:46	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/13/25 12:46	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/13/25 12:46	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/13/25 12:46	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/13/25 12:46	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/13/25 12:46	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/13/25 12:46	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/13/25 12:46	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/13/25 12:46	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/13/25 12:46	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/13/25 12:46	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/13/25 12:46	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/13/25 12:46	1
1,1-Dichloroethene	0.050	U	0.050	0.035	ppb v/v			06/13/25 12:46	1
Acetone	5.0	U	5.0	1.9	ppb v/v			06/13/25 12:46	1
Isopropyl alcohol	5.0	U	5.0	2.2	ppb v/v			06/13/25 12:46	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/13/25 12:46	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/13/25 12:46	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/13/25 12:46	1
tert-Butyl alcohol	5.0	U	5.0	1.6	ppb v/v			06/13/25 12:46	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/13/25 12:46	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/13/25 12:46	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/13/25 12:46	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/13/25 12:46	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.14	ppb v/v			06/13/25 12:46	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.032	ppb v/v			06/13/25 12:46	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/13/25 12:46	1
Tetrahydrofuran	5.0	U	5.0	1.7	ppb v/v			06/13/25 12:46	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/13/25 12:46	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/13/25 12:46	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/13/25 12:46	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/13/25 12:46	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/13/25 12:46	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/13/25 12:46	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/13/25 12:46	1
Trichloroethene	0.037	U	0.037	0.029	ppb v/v			06/13/25 12:46	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217333/5

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/13/25 12:46	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/13/25 12:46	1
1,4-Dioxane	5.0	U	5.0	0.19	ppb v/v			06/13/25 12:46	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/13/25 12:46	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/13/25 12:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.19	ppb v/v			06/13/25 12:46	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/13/25 12:46	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/13/25 12:46	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/13/25 12:46	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/13/25 12:46	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/13/25 12:46	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/13/25 12:46	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/13/25 12:46	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/13/25 12:46	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/13/25 12:46	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/13/25 12:46	1
o-Xylene	0.20	U	0.20	0.069	ppb v/v			06/13/25 12:46	1
Styrene	0.20	U	0.20	0.056	ppb v/v			06/13/25 12:46	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/13/25 12:46	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/13/25 12:46	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/13/25 12:46	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/13/25 12:46	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/13/25 12:46	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/13/25 12:46	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/13/25 12:46	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 12:46	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/13/25 12:46	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/13/25 12:46	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/13/25 12:46	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/13/25 12:46	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 12:46	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/13/25 12:46	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/13/25 12:46	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/13/25 12:46	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/13/25 12:46	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/13/25 12:46	1
Naphthalene	0.38	U	0.38	0.11	ppb v/v			06/13/25 12:46	1

Lab Sample ID: LCS 200-217333/3

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	51.6		ug/m3		104	61 - 142
Chlorodifluoromethane	35.4	35.8		ug/m3		101	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	70.9		ug/m3		101	71 - 141
Chloromethane	20.6	20.2		ug/m3		98	56 - 141
n-Butane	23.8	21.8		ug/m3		92	53 - 151

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217333/3

Matrix: Air

Analysis Batch: 217333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.6	23.6		ug/m3		92	61 - 135
1,3-Butadiene	22.1	19.0		ug/m3		86	58 - 139
Bromomethane	38.8	39.7		ug/m3		102	72 - 124
Chloroethane	26.4	27.1		ug/m3		103	68 - 130
Bromoethene(Vinyl Bromide)	43.7	46.3		ug/m3		106	75 - 125
Trichlorofluoromethane	56.2	57.2		ug/m3		102	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	75.8		ug/m3		99	70 - 121
1,1-Dichloroethene	39.6	37.9		ug/m3		95	68 - 120
Acetone	23.7	23.7		ug/m3		100	54 - 154
Isopropyl alcohol	24.6	26.1		ug/m3		106	53 - 142
Carbon disulfide	31.1	31.3		ug/m3		100	71 - 138
3-Chloropropene	31.3	31.5		ug/m3		101	50 - 150
Methylene Chloride	34.7	32.8		ug/m3		94	59 - 137
tert-Butyl alcohol	30.3	30.3		ug/m3		100	66 - 132
Methyl tert-butyl ether	36.0	36.2		ug/m3		100	70 - 127
trans-1,2-Dichloroethene	39.6	39.2		ug/m3		99	69 - 137
n-Hexane	35.2	34.8		ug/m3		99	63 - 138
1,1-Dichloroethane	40.5	38.5		ug/m3		95	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	29.7		ug/m3		101	72 - 124
cis-1,2-Dichloroethene	39.6	38.2		ug/m3		96	72 - 121
Chloroform	48.8	48.2		ug/m3		99	73 - 124
Tetrahydrofuran	29.5	28.2		ug/m3		95	60 - 149
1,1,1-Trichloroethane	54.6	54.5		ug/m3		100	72 - 127
Cyclohexane	34.4	34.6		ug/m3		101	76 - 124
Carbon tetrachloride	62.9	65.0		ug/m3		103	71 - 133
2,2,4-Trimethylpentane	46.7	46.3		ug/m3		99	68 - 131
Benzene	31.9	31.7		ug/m3		99	73 - 119
1,2-Dichloroethane	40.5	40.2		ug/m3		99	68 - 135
n-Heptane	41.0	39.6		ug/m3		97	60 - 142
Trichloroethene	53.7	53.3		ug/m3		99	73 - 122
Methyl methacrylate	40.9	42.7		ug/m3		104	73 - 129
1,2-Dichloropropane	46.2	45.5		ug/m3		98	69 - 128
1,4-Dioxane	36.0	36.2		ug/m3		101	66 - 129
Bromodichloromethane	67.0	68.1		ug/m3		102	75 - 127
cis-1,3-Dichloropropene	45.4	46.1		ug/m3		101	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	41.1		ug/m3		100	58 - 144
Toluene	37.7	38.0		ug/m3		101	75 - 122
trans-1,3-Dichloropropene	45.4	50.0		ug/m3		110	74 - 128
1,1,2-Trichloroethane	54.6	55.2		ug/m3		101	75 - 126
Tetrachloroethene	67.8	67.1		ug/m3		99	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	41.9		ug/m3		102	57 - 143
Dibromochloromethane	85.2	88.2		ug/m3		104	73 - 125
1,2-Dibromoethane	76.8	77.8		ug/m3		101	78 - 122
Chlorobenzene	46.0	46.2		ug/m3		100	76 - 119
Ethylbenzene	43.4	43.8		ug/m3		101	74 - 122
m,p-Xylene	86.8	87.9		ug/m3		101	76 - 121

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217333/3

Matrix: Air

Analysis Batch: 217333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	43.4	44.2		ug/m3		102	73 - 123
Styrene	42.6	44.1		ug/m3		103	74 - 125
Bromoform	103	112		ug/m3		109	53 - 149
Cumene	49.1	49.6		ug/m3		101	73 - 123
1,1,2,2-Tetrachloroethane	68.6	68.9		ug/m3		100	74 - 126
n-Propylbenzene	49.1	49.8		ug/m3		101	73 - 127
4-Ethyltoluene	49.2	50.6		ug/m3		103	75 - 129
1,3,5-Trimethylbenzene	49.2	49.9		ug/m3		102	72 - 126
2-Chlorotoluene	51.8	52.3		ug/m3		101	74 - 126
tert-Butylbenzene	54.9	54.4		ug/m3		99	71 - 125
1,2,4-Trimethylbenzene	49.2	50.2		ug/m3		102	71 - 129
sec-Butylbenzene	54.9	55.2		ug/m3		101	70 - 128
4-Isopropyltoluene	54.9	54.2		ug/m3		99	68 - 130
1,3-Dichlorobenzene	60.1	60.1		ug/m3		100	69 - 131
1,4-Dichlorobenzene	60.1	60.7		ug/m3		101	67 - 132
Benzyl chloride	51.8	53.4		ug/m3		103	60 - 136
n-Butylbenzene	54.9	55.7		ug/m3		101	65 - 137
1,2-Dichlorobenzene	60.1	59.6		ug/m3		99	68 - 129
1,2,4-Trichlorobenzene	74.2	90.2		ug/m3		122	50 - 150
Hexachlorobutadiene	107	119		ug/m3		112	58 - 130
Naphthalene	52.4	64.9		ug/m3		124	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.4		ppb v/v		104	61 - 142
Chlorodifluoromethane	10	10.1		ppb v/v		101	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.1		ppb v/v		101	71 - 141
Chloromethane	10	9.80		ppb v/v		98	56 - 141
n-Butane	10	9.19		ppb v/v		92	53 - 151
Vinyl chloride	10	9.24		ppb v/v		92	61 - 135
1,3-Butadiene	10	8.60		ppb v/v		86	58 - 139
Bromomethane	10	10.2		ppb v/v		102	72 - 124
Chloroethane	10	10.3		ppb v/v		103	68 - 130
Bromoethene(Vinyl Bromide)	10	10.6		ppb v/v		106	75 - 125
Trichlorofluoromethane	10	10.2		ppb v/v		102	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.89		ppb v/v		99	70 - 121
1,1-Dichloroethene	10	9.55		ppb v/v		95	68 - 120
Acetone	10	9.99		ppb v/v		100	54 - 154
Isopropyl alcohol	10	10.6		ppb v/v		106	53 - 142
Carbon disulfide	10	10.0		ppb v/v		100	71 - 138
3-Chloropropene	10	10.1		ppb v/v		101	50 - 150
Methylene Chloride	10	9.45		ppb v/v		94	59 - 137
tert-Butyl alcohol	10	9.98		ppb v/v		100	66 - 132
Methyl tert-butyl ether	10	10.0		ppb v/v		100	70 - 127
trans-1,2-Dichloroethene	10	9.89		ppb v/v		99	69 - 137
n-Hexane	10	9.87		ppb v/v		99	63 - 138
1,1-Dichloroethane	10	9.52		ppb v/v		95	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.1		ppb v/v		101	72 - 124
cis-1,2-Dichloroethene	10	9.64		ppb v/v		96	72 - 121

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217333/3

Matrix: Air

Analysis Batch: 217333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	10	9.87		ppb v/v		99	73 - 124
Tetrahydrofuran	10	9.55		ppb v/v		95	60 - 149
1,1,1-Trichloroethane	10	9.98		ppb v/v		100	72 - 127
Cyclohexane	10	10.1		ppb v/v		101	76 - 124
Carbon tetrachloride	10	10.3		ppb v/v		103	71 - 133
2,2,4-Trimethylpentane	10	9.92		ppb v/v		99	68 - 131
Benzene	10	9.91		ppb v/v		99	73 - 119
1,2-Dichloroethane	10	9.94		ppb v/v		99	68 - 135
n-Heptane	10	9.67		ppb v/v		97	60 - 142
Trichloroethene	10	9.91		ppb v/v		99	73 - 122
Methyl methacrylate	10	10.4		ppb v/v		104	73 - 129
1,2-Dichloropropane	10	9.84		ppb v/v		98	69 - 128
1,4-Dioxane	10	10.1		ppb v/v		101	66 - 129
Bromodichloromethane	10	10.2		ppb v/v		102	75 - 127
cis-1,3-Dichloropropene	10	10.1		ppb v/v		101	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.0		ppb v/v		100	58 - 144
Toluene	10	10.1		ppb v/v		101	75 - 122
trans-1,3-Dichloropropene	10	11.0		ppb v/v		110	74 - 128
1,1,2-Trichloroethane	10	10.1		ppb v/v		101	75 - 126
Tetrachloroethene	10	9.89		ppb v/v		99	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.2		ppb v/v		102	57 - 143
Dibromochloromethane	10	10.4		ppb v/v		104	73 - 125
1,2-Dibromoethane	10	10.1		ppb v/v		101	78 - 122
Chlorobenzene	10	10.0		ppb v/v		100	76 - 119
Ethylbenzene	10	10.1		ppb v/v		101	74 - 122
m,p-Xylene	20	20.2		ppb v/v		101	76 - 121
o-Xylene	10	10.2		ppb v/v		102	73 - 123
Styrene	10	10.3		ppb v/v		103	74 - 125
Bromoform	10	10.9		ppb v/v		109	53 - 149
Cumene	10	10.1		ppb v/v		101	73 - 123
1,1,2,2-Tetrachloroethane	10	10.0		ppb v/v		100	74 - 126
n-Propylbenzene	10	10.1		ppb v/v		101	73 - 127
4-Ethyltoluene	10	10.3		ppb v/v		103	75 - 129
1,3,5-Trimethylbenzene	10	10.1		ppb v/v		102	72 - 126
2-Chlorotoluene	10	10.1		ppb v/v		101	74 - 126
tert-Butylbenzene	10	9.92		ppb v/v		99	71 - 125
1,2,4-Trimethylbenzene	10	10.2		ppb v/v		102	71 - 129
sec-Butylbenzene	10	10.1		ppb v/v		101	70 - 128
4-Isopropyltoluene	10	9.87		ppb v/v		99	68 - 130
1,3-Dichlorobenzene	10	10.0		ppb v/v		100	69 - 131
1,4-Dichlorobenzene	10	10.1		ppb v/v		101	67 - 132
Benzyl chloride	10	10.3		ppb v/v		103	60 - 136
n-Butylbenzene	10	10.1		ppb v/v		101	65 - 137
1,2-Dichlorobenzene	10	9.92		ppb v/v		99	68 - 129
1,2,4-Trichlorobenzene	10	12.2		ppb v/v		122	50 - 150
Hexachlorobutadiene	10	11.2		ppb v/v		112	58 - 130
Naphthalene	10	12.4		ppb v/v		124	50 - 150

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217415/6

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	1.1	ug/m3			06/16/25 11:36	1
Chlorodifluoromethane	1.8	U	1.8	1.3	ug/m3			06/16/25 11:36	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.53	ug/m3			06/16/25 11:36	1
Chloromethane	1.0	U	1.0	0.68	ug/m3			06/16/25 11:36	1
n-Butane	1.2	U	1.2	0.74	ug/m3			06/16/25 11:36	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/16/25 11:36	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/16/25 11:36	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/16/25 11:36	1
Chloroethane	1.3	U	1.3	0.42	ug/m3			06/16/25 11:36	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/16/25 11:36	1
Trichlorofluoromethane	1.1	U	1.1	0.43	ug/m3			06/16/25 11:36	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.44	ug/m3			06/16/25 11:36	1
1,1-Dichloroethene	0.20	U	0.20	0.14	ug/m3			06/16/25 11:36	1
Acetone	12	U	12	4.5	ug/m3			06/16/25 11:36	1
Isopropyl alcohol	12	U	12	5.4	ug/m3			06/16/25 11:36	1
Carbon disulfide	1.6	U	1.6	0.56	ug/m3			06/16/25 11:36	1
3-Chloropropene	1.6	U	1.6	0.25	ug/m3			06/16/25 11:36	1
Methylene Chloride	1.7	U	1.7	0.66	ug/m3			06/16/25 11:36	1
tert-Butyl alcohol	15	U	15	4.9	ug/m3			06/16/25 11:36	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/16/25 11:36	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/16/25 11:36	1
n-Hexane	1.8	U	1.8	0.56	ug/m3			06/16/25 11:36	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/16/25 11:36	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.41	ug/m3			06/16/25 11:36	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.13	ug/m3			06/16/25 11:36	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/16/25 11:36	1
Tetrahydrofuran	15	U	15	5.0	ug/m3			06/16/25 11:36	1
1,1,1-Trichloroethane	1.1	U	1.1	0.40	ug/m3			06/16/25 11:36	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/16/25 11:36	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/16/25 11:36	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/16/25 11:36	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/16/25 11:36	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/16/25 11:36	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/16/25 11:36	1
Trichloroethene	0.20	U	0.20	0.16	ug/m3			06/16/25 11:36	1
Methyl methacrylate	2.0	U	2.0	0.53	ug/m3			06/16/25 11:36	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/16/25 11:36	1
1,4-Dioxane	18	U	18	0.68	ug/m3			06/16/25 11:36	1
Bromodichloromethane	1.3	U	1.3	0.39	ug/m3			06/16/25 11:36	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/16/25 11:36	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.78	ug/m3			06/16/25 11:36	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/16/25 11:36	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/16/25 11:36	1
1,1,2-Trichloroethane	1.1	U	1.1	0.29	ug/m3			06/16/25 11:36	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			06/16/25 11:36	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.82	ug/m3			06/16/25 11:36	1
Dibromochloromethane	1.7	U	1.7	0.45	ug/m3			06/16/25 11:36	1
1,2-Dibromoethane	1.5	U	1.5	0.35	ug/m3			06/16/25 11:36	1

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217415/6

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/16/25 11:36	1
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/16/25 11:36	1
m,p-Xylene	2.2	U	2.2	0.061	ug/m3			06/16/25 11:36	1
o-Xylene	0.87	U	0.87	0.30	ug/m3			06/16/25 11:36	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/16/25 11:36	1
Bromoform	2.1	U	2.1	0.60	ug/m3			06/16/25 11:36	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/16/25 11:36	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.42	ug/m3			06/16/25 11:36	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/16/25 11:36	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/16/25 11:36	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/16/25 11:36	1
2-Chlorotoluene	1.0	U	1.0	0.30	ug/m3			06/16/25 11:36	1
tert-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/16/25 11:36	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/16/25 11:36	1
sec-Butylbenzene	1.1	U	1.1	0.40	ug/m3			06/16/25 11:36	1
4-Isopropyltoluene	1.1	U	1.1	0.43	ug/m3			06/16/25 11:36	1
1,3-Dichlorobenzene	1.2	U	1.2	0.38	ug/m3			06/16/25 11:36	1
1,4-Dichlorobenzene	1.2	U	1.2	0.42	ug/m3			06/16/25 11:36	1
Benzyl chloride	1.0	U	1.0	0.38	ug/m3			06/16/25 11:36	1
n-Butylbenzene	1.1	U	1.1	0.38	ug/m3			06/16/25 11:36	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			06/16/25 11:36	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.2	ug/m3			06/16/25 11:36	1
Hexachlorobutadiene	2.1	U	2.1	0.83	ug/m3			06/16/25 11:36	1
Naphthalene	2.0	U	2.0	0.58	ug/m3			06/16/25 11:36	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/16/25 11:36	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/16/25 11:36	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/16/25 11:36	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/16/25 11:36	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/16/25 11:36	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/16/25 11:36	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/16/25 11:36	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/16/25 11:36	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/16/25 11:36	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/16/25 11:36	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/16/25 11:36	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/16/25 11:36	1
1,1-Dichloroethene	0.050	U	0.050	0.035	ppb v/v			06/16/25 11:36	1
Acetone	5.0	U	5.0	1.9	ppb v/v			06/16/25 11:36	1
Isopropyl alcohol	5.0	U	5.0	2.2	ppb v/v			06/16/25 11:36	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/16/25 11:36	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/16/25 11:36	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/16/25 11:36	1
tert-Butyl alcohol	5.0	U	5.0	1.6	ppb v/v			06/16/25 11:36	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/16/25 11:36	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/16/25 11:36	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/16/25 11:36	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/16/25 11:36	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217415/6

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.14	ppb v/v			06/16/25 11:36	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.032	ppb v/v			06/16/25 11:36	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/16/25 11:36	1
Tetrahydrofuran	5.0	U	5.0	1.7	ppb v/v			06/16/25 11:36	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/16/25 11:36	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/16/25 11:36	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/16/25 11:36	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/16/25 11:36	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/16/25 11:36	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/16/25 11:36	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/16/25 11:36	1
Trichloroethene	0.037	U	0.037	0.029	ppb v/v			06/16/25 11:36	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/16/25 11:36	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/16/25 11:36	1
1,4-Dioxane	5.0	U	5.0	0.19	ppb v/v			06/16/25 11:36	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/16/25 11:36	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/16/25 11:36	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.19	ppb v/v			06/16/25 11:36	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/16/25 11:36	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/16/25 11:36	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/16/25 11:36	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/16/25 11:36	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/16/25 11:36	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/16/25 11:36	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/16/25 11:36	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/16/25 11:36	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/16/25 11:36	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/16/25 11:36	1
o-Xylene	0.20	U	0.20	0.069	ppb v/v			06/16/25 11:36	1
Styrene	0.20	U	0.20	0.056	ppb v/v			06/16/25 11:36	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/16/25 11:36	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/16/25 11:36	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/16/25 11:36	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/16/25 11:36	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/16/25 11:36	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/16/25 11:36	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/16/25 11:36	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/16/25 11:36	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/16/25 11:36	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/16/25 11:36	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/16/25 11:36	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/16/25 11:36	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/16/25 11:36	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/16/25 11:36	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/16/25 11:36	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/16/25 11:36	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/16/25 11:36	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/16/25 11:36	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217415/6

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.11	ppb v/v			06/16/25 11:36	1

Lab Sample ID: LCS 200-217415/4

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	47.2		ug/m3		95	61 - 142
Chlorodifluoromethane	35.4	33.9		ug/m3		96	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	66.8		ug/m3		96	71 - 141
Chloromethane	20.6	19.8		ug/m3		96	56 - 141
n-Butane	23.8	21.7		ug/m3		91	53 - 151
Vinyl chloride	25.6	23.5		ug/m3		92	61 - 135
1,3-Butadiene	22.1	18.9		ug/m3		86	58 - 139
Bromomethane	38.8	37.7		ug/m3		97	72 - 124
Chloroethane	26.4	25.9		ug/m3		98	68 - 130
Bromoethene(Vinyl Bromide)	43.7	43.8		ug/m3		100	75 - 125
Trichlorofluoromethane	56.2	53.9		ug/m3		96	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	70.2		ug/m3		92	70 - 121
1,1-Dichloroethene	39.6	37.3		ug/m3		94	68 - 120
Acetone	23.7	22.5		ug/m3		95	54 - 154
Isopropyl alcohol	24.6	25.8		ug/m3		105	53 - 142
Carbon disulfide	31.1	29.4		ug/m3		94	71 - 138
3-Chloropropene	31.3	30.6		ug/m3		98	50 - 150
Methylene Chloride	34.7	32.1		ug/m3		92	59 - 137
tert-Butyl alcohol	30.3	28.8		ug/m3		95	66 - 132
Methyl tert-butyl ether	36.0	34.8		ug/m3		96	70 - 127
trans-1,2-Dichloroethene	39.6	38.5		ug/m3		97	69 - 137
n-Hexane	35.2	33.8		ug/m3		96	63 - 138
1,1-Dichloroethane	40.5	37.6		ug/m3		93	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	28.1		ug/m3		95	72 - 124
cis-1,2-Dichloroethene	39.6	35.7		ug/m3		90	72 - 121
Chloroform	48.8	45.5		ug/m3		93	73 - 124
Tetrahydrofuran	29.5	27.6		ug/m3		94	60 - 149
1,1,1-Trichloroethane	54.6	51.4		ug/m3		94	72 - 127
Cyclohexane	34.4	33.2		ug/m3		96	76 - 124
Carbon tetrachloride	62.9	60.5		ug/m3		96	71 - 133
2,2,4-Trimethylpentane	46.7	45.9		ug/m3		98	68 - 131
Benzene	31.9	30.6		ug/m3		96	73 - 119
1,2-Dichloroethane	40.5	37.9		ug/m3		94	68 - 135
n-Heptane	41.0	40.7		ug/m3		99	60 - 142
Trichloroethene	53.7	51.4		ug/m3		96	73 - 122
Methyl methacrylate	40.9	39.9		ug/m3		98	73 - 129
1,2-Dichloropropane	46.2	44.5		ug/m3		96	69 - 128
1,4-Dioxane	36.0	35.0		ug/m3		97	66 - 129
Bromodichloromethane	67.0	64.0		ug/m3		96	75 - 127
cis-1,3-Dichloropropene	45.4	43.9		ug/m3		97	74 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217415/4

Matrix: Air

Analysis Batch: 217415

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	40.6		ug/m3		99	58 - 144
Toluene	37.7	36.6		ug/m3		97	75 - 122
trans-1,3-Dichloropropene	45.4	48.4		ug/m3		107	74 - 128
1,1,2-Trichloroethane	54.6	53.2		ug/m3		98	75 - 126
Tetrachloroethene	67.8	63.8		ug/m3		94	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	41.7		ug/m3		102	57 - 143
Dibromochloromethane	85.2	80.6		ug/m3		95	73 - 125
1,2-Dibromoethane	76.8	74.6		ug/m3		97	78 - 122
Chlorobenzene	46.0	43.6		ug/m3		95	76 - 119
Ethylbenzene	43.4	42.2		ug/m3		97	74 - 122
m,p-Xylene	86.8	84.6		ug/m3		97	76 - 121
o-Xylene	43.4	42.7		ug/m3		98	73 - 123
Styrene	42.6	42.8		ug/m3		100	74 - 125
Bromoform	103	98.8		ug/m3		96	53 - 149
Cumene	49.1	48.6		ug/m3		99	73 - 123
1,1,2,2-Tetrachloroethane	68.6	67.9		ug/m3		99	74 - 126
n-Propylbenzene	49.1	48.9		ug/m3		100	73 - 127
4-Ethyltoluene	49.2	49.4		ug/m3		101	75 - 129
1,3,5-Trimethylbenzene	49.2	48.6		ug/m3		99	72 - 126
2-Chlorotoluene	51.8	51.0		ug/m3		99	74 - 126
tert-Butylbenzene	54.9	53.5		ug/m3		97	71 - 125
1,2,4-Trimethylbenzene	49.2	48.6		ug/m3		99	71 - 129
sec-Butylbenzene	54.9	54.5		ug/m3		99	70 - 128
4-Isopropyltoluene	54.9	53.0		ug/m3		97	68 - 130
1,3-Dichlorobenzene	60.1	57.8		ug/m3		96	69 - 131
1,4-Dichlorobenzene	60.1	58.9		ug/m3		98	67 - 132
Benzyl chloride	51.8	54.5		ug/m3		105	60 - 136
n-Butylbenzene	54.9	54.9		ug/m3		100	65 - 137
1,2-Dichlorobenzene	60.1	57.4		ug/m3		95	68 - 129
1,2,4-Trichlorobenzene	74.2	81.2		ug/m3		109	50 - 150
Hexachlorobutadiene	107	105		ug/m3		98	58 - 130
Naphthalene	52.4	61.5		ug/m3		117	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.54		ppb v/v		95	61 - 142
Chlorodifluoromethane	10	9.59		ppb v/v		96	60 - 147
1,2-Dichlorotetrafluoroethane	10	9.56		ppb v/v		96	71 - 141
Chloromethane	10	9.57		ppb v/v		96	56 - 141
n-Butane	10	9.14		ppb v/v		91	53 - 151
Vinyl chloride	10	9.18		ppb v/v		92	61 - 135
1,3-Butadiene	10	8.56		ppb v/v		86	58 - 139
Bromomethane	10	9.71		ppb v/v		97	72 - 124
Chloroethane	10	9.81		ppb v/v		98	68 - 130
Bromoethene(Vinyl Bromide)	10	10.0		ppb v/v		100	75 - 125
Trichlorofluoromethane	10	9.58		ppb v/v		96	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.16		ppb v/v		92	70 - 121
1,1-Dichloroethene	10	9.40		ppb v/v		94	68 - 120

Eurofins Burlington

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217415/4

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	9.47		ppb v/v		95	54 - 154
Isopropyl alcohol	10	10.5		ppb v/v		105	53 - 142
Carbon disulfide	10	9.43		ppb v/v		94	71 - 138
3-Chloropropene	10	9.77		ppb v/v		98	50 - 150
Methylene Chloride	10	9.23		ppb v/v		92	59 - 137
tert-Butyl alcohol	10	9.49		ppb v/v		95	66 - 132
Methyl tert-butyl ether	10	9.64		ppb v/v		96	70 - 127
trans-1,2-Dichloroethene	10	9.70		ppb v/v		97	69 - 137
n-Hexane	10	9.59		ppb v/v		96	63 - 138
1,1-Dichloroethane	10	9.30		ppb v/v		93	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.54		ppb v/v		95	72 - 124
cis-1,2-Dichloroethene	10	9.01		ppb v/v		90	72 - 121
Chloroform	10	9.32		ppb v/v		93	73 - 124
Tetrahydrofuran	10	9.37		ppb v/v		94	60 - 149
1,1,1-Trichloroethane	10	9.43		ppb v/v		94	72 - 127
Cyclohexane	10	9.65		ppb v/v		96	76 - 124
Carbon tetrachloride	10	9.62		ppb v/v		96	71 - 133
2,2,4-Trimethylpentane	10	9.82		ppb v/v		98	68 - 131
Benzene	10	9.58		ppb v/v		96	73 - 119
1,2-Dichloroethane	10	9.37		ppb v/v		94	68 - 135
n-Heptane	10	9.93		ppb v/v		99	60 - 142
Trichloroethene	10	9.57		ppb v/v		96	73 - 122
Methyl methacrylate	10	9.76		ppb v/v		98	73 - 129
1,2-Dichloropropane	10	9.63		ppb v/v		96	69 - 128
1,4-Dioxane	10	9.72		ppb v/v		97	66 - 129
Bromodichloromethane	10	9.55		ppb v/v		96	75 - 127
cis-1,3-Dichloropropene	10	9.67		ppb v/v		97	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	9.90		ppb v/v		99	58 - 144
Toluene	10	9.72		ppb v/v		97	75 - 122
trans-1,3-Dichloropropene	10	10.7		ppb v/v		107	74 - 128
1,1,2-Trichloroethane	10	9.75		ppb v/v		98	75 - 126
Tetrachloroethene	10	9.41		ppb v/v		94	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.2		ppb v/v		102	57 - 143
Dibromochloromethane	10	9.46		ppb v/v		95	73 - 125
1,2-Dibromoethane	10	9.71		ppb v/v		97	78 - 122
Chlorobenzene	10	9.47		ppb v/v		95	76 - 119
Ethylbenzene	10	9.72		ppb v/v		97	74 - 122
m,p-Xylene	20	19.5		ppb v/v		97	76 - 121
o-Xylene	10	9.84		ppb v/v		98	73 - 123
Styrene	10	10.0		ppb v/v		100	74 - 125
Bromoform	10	9.55		ppb v/v		96	53 - 149
Cumene	10	9.89		ppb v/v		99	73 - 123
1,1,2,2-Tetrachloroethane	10	9.89		ppb v/v		99	74 - 126
n-Propylbenzene	10	9.96		ppb v/v		100	73 - 127
4-Ethyltoluene	10	10.1		ppb v/v		101	75 - 129
1,3,5-Trimethylbenzene	10	9.90		ppb v/v		99	72 - 126

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217415/4

Matrix: Air

Analysis Batch: 217415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	9.86		ppb v/v		99	74 - 126
tert-Butylbenzene	10	9.74		ppb v/v		97	71 - 125
1,2,4-Trimethylbenzene	10	9.88		ppb v/v		99	71 - 129
sec-Butylbenzene	10	9.92		ppb v/v		99	70 - 128
4-Isopropyltoluene	10	9.66		ppb v/v		97	68 - 130
1,3-Dichlorobenzene	10	9.62		ppb v/v		96	69 - 131
1,4-Dichlorobenzene	10	9.80		ppb v/v		98	67 - 132
Benzyl chloride	10	10.5		ppb v/v		105	60 - 136
n-Butylbenzene	10	9.99		ppb v/v		100	65 - 137
1,2-Dichlorobenzene	10	9.54		ppb v/v		95	68 - 129
1,2,4-Trichlorobenzene	10	10.9		ppb v/v		109	50 - 150
Hexachlorobutadiene	10	9.83		ppb v/v		98	58 - 130
Naphthalene	10	11.7		ppb v/v		117	50 - 150

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Air - GC/MS VOA

Analysis Batch: 217256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78311-1	RIVP1-3326	Total/NA	Air	TO-15	
200-78311-2	RIVP2-5426	Total/NA	Air	TO-15	
200-78311-2 - DL	RIVP2-5426	Total/NA	Air	TO-15	
200-78311-3	RIVP3-4381	Total/NA	Air	TO-15	
MB 200-217256/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-217256/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 217319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78311-1 - DL	RIVP1-3326	Total/NA	Air	TO-15	
200-78311-3 - DL	RIVP3-4381	Total/NA	Air	TO-15	
200-78311-4	RIVP4-2911	Total/NA	Air	TO-15	
200-78311-5	RIVP5-2601	Total/NA	Air	TO-15	
200-78311-5 - DL	RIVP5-2601	Total/NA	Air	TO-15	
MB 200-217319/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-217319/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 217333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78311-6	RIVP6-34000211	Total/NA	Air	TO-15	
200-78311-6 - DL	RIVP6-34000211	Total/NA	Air	TO-15	
200-78311-7	RIVP7-3609	Total/NA	Air	TO-15	
200-78311-8	RIVP8-34001322	Total/NA	Air	TO-15	
MB 200-217333/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-217333/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 217415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78311-4 - DL	RIVP4-2911	Total/NA	Air	TO-15	
200-78311-7 - DL	RIVP7-3609	Total/NA	Air	TO-15	
200-78311-8 - DL	RIVP8-34001322	Total/NA	Air	TO-15	
MB 200-217415/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-217415/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP1-3326

Lab Sample ID: 200-78311-1

Date Collected: 06/05/25 09:20

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		98.9	217256	A1B	EET BUR	06/12/25 15:25
Total/NA	Analysis	TO-15	DL	1010	217319	A1B	EET BUR	06/13/25 21:39

Client Sample ID: RIVP2-5426

Lab Sample ID: 200-78311-2

Date Collected: 06/05/25 09:05

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		30	217256	A1B	EET BUR	06/12/25 17:08
Total/NA	Analysis	TO-15	DL	154	217256	A1B	EET BUR	06/12/25 17:59

Client Sample ID: RIVP3-4381

Lab Sample ID: 200-78311-3

Date Collected: 06/05/25 08:55

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		20.1	217256	A1B	EET BUR	06/12/25 18:51
Total/NA	Analysis	TO-15	DL	107	217319	A1B	EET BUR	06/13/25 22:30

Client Sample ID: RIVP4-2911

Lab Sample ID: 200-78311-4

Date Collected: 06/05/25 10:30

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		25.2	217319	A1B	EET BUR	06/13/25 23:21
Total/NA	Analysis	TO-15	DL	257	217415	K1P	EET BUR	06/16/25 14:21

Client Sample ID: RIVP5-2601

Lab Sample ID: 200-78311-5

Date Collected: 06/05/25 09:30

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		15.08	217319	A1B	EET BUR	06/14/25 05:20
Total/NA	Analysis	TO-15	DL	85.1	217319	A1B	EET BUR	06/14/25 06:11

Client Sample ID: RIVP6-34000211

Lab Sample ID: 200-78311-6

Date Collected: 06/05/25 09:45

Matrix: Air

Date Received: 06/10/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		9.93	217333	TPB	EET BUR	06/13/25 13:38
Total/NA	Analysis	TO-15	DL	39.7	217333	TPB	EET BUR	06/13/25 14:30

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Client Sample ID: RIVP7-3609

Date Collected: 06/05/25 09:50

Date Received: 06/10/25 12:00

Lab Sample ID: 200-78311-7

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15	DL	80.5	217415	K1P	EET BUR	06/16/25 15:12
Total/NA	Analysis	TO-15		20	217333	TPB	EET BUR	06/13/25 15:21

Client Sample ID: RIVP8-34001322

Date Collected: 06/05/25 08:45

Date Received: 06/10/25 12:00

Lab Sample ID: 200-78311-8

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15	DL	104	217415	K1P	EET BUR	06/16/25 16:04
Total/NA	Analysis	TO-15		10	217333	TPB	EET BUR	06/13/25 17:05

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	VT972	06-30-25

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
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene

New York	NELAP	10391	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
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington, Dunkirk, NY

Job ID: 200-78311-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-78311-1	RVP1-3326	Air	06/05/25 09:20	06/10/25 12:00	Air Canister (6-Liter) #3326
200-78311-2	RVP2-5426	Air	06/05/25 09:05	06/10/25 12:00	Air Canister (6-Liter) #5426
200-78311-3	RVP3-4381	Air	06/05/25 08:55	06/10/25 12:00	Air Canister (6-Liter) #4381
200-78311-4	RVP4-2911	Air	06/05/25 10:30	06/10/25 12:00	Air Canister (6-Liter) #2911
200-78311-5	RVP5-2601	Air	06/05/25 09:30	06/10/25 12:00	Air Canister (6-Liter) #2601
200-78311-6	RVP6-34000211	Air	06/05/25 09:45	06/10/25 12:00	Air Canister (6-Liter) #34000211
200-78311-7	RVP7-3609	Air	06/05/25 09:50	06/10/25 12:00	Air Canister (6-Liter) #3609
200-78311-8	RVP8-34001322	Air	06/05/25 08:45	06/10/25 12:00	Air Canister (6-Liter) #34001322

Eurofins Burlington

Phone: 1-802-660-1990

530 Community Drive, Suite 11, South Burlington, VT 05403

Canister Samples Chain of Custody Record

Client Contact Information				Client Project Manager: LEE ANN				Samples Collected By: J. Hall				COC No: 7 of 7 COCs			
Company Name: BE3				Phone:				TALS Project #:				For Lab Use Only:			
Address: 960 Busti Ave				Email:				Landfill Gas				Walk-in Client:			
City/State/Zip: Buffalo NY 14213				Site Contact:				Soil Vapor Extraction (SVE)				Lab Sampling:			
Phone: (716) 249-6880				Tel/Fax:				Sub-Slab/Soil Gas				Job / SDG No.:			
FAX:				Analysis Turnaround Time				Indoor Air/Ambient Air				See below for Add'l Items			
Project Name: 2nd Washington				Standard (Specific):				Sample Type				Sample Specific Notes:			
Site/Location: Dunkirk N.Y.				Rush (Specify): 5-day				Other (base specify in notes section)				**Notes about expected high concentrations			
P O #								EPA 15/16							
								ASTM D-1946							
								EPA 25C							
								EPA 3C							
								TO-15 SIM							
								TO-14/15 (Standard / Low Level)							
								**EXPECT HIGH LEVELS?							
								Canister Vacuum in Field, "Hg (Stop)				Canister ID-			
								Canister Vacuum in Field, "Hg (Start)				Flow Controller ID			
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
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								Sample Start Date							
								Sample End Date							
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								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg (Stop)							
								Canister Vacuum in Field, "Hg (Start)							
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								Time Start							
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								Canister Vacuum in Field, "Hg (Start)							
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								Canister Vacuum in Field, "Hg (Start)							
								Sample Time Stop							
								Time Start							
								Sample Start Date							
								Sample End Date							
								Time Stop							
								Canister Vacuum in Field, "Hg							

Environment Testing
TestAmerica

SHIP DATE: 06JUN25
ACTWGT: 36.70 LB
CAD: 6571709/ROSA2630
DIMMED: 21 X 21 X 17 IN
BILL 3rd PARTY

ATTN: 3rd PARTY

**Eurofins Burlington
530 Community Dr
STE 11**

**SIE II
SOUTH BURLINGTON VT 05403**

(802) 660-1990
INU:
29:

DEPT:

FedEx
Ground



2 of 2
MPS# 8818 3956 7446
Mstr# 8818 3956 7435

05403

0623 0417 3 (000 448 2815) 1 00 8818 3956 7446



797-435 RRD82 EXP 03/26

FROM: (716) 204-0770

SHIP DATE: 06JUN25
ACTWGT: 34.95 LB
CAD: 6571709/ROSA2630
DIMMED: 21 X 21 X 17 IN
BILL 3rd PARTY

Eurolina
1498 Main St Ste 4
BUFFALO NY 14226
US

**Eurofins Burlington
530 Community Dr
STE 11**

SOUTH BURLINGTON VT 05403

(802) 660-1990
INV:
PO:

DEPT:

FedEx
Ground



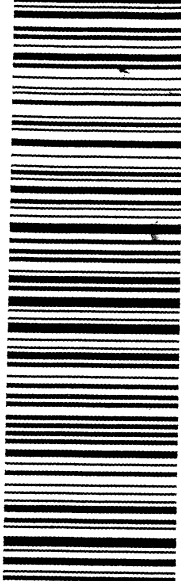
7 of 2

TRK# 8818 3956 7435

MASTER

05403

9622 0417 3 (000 448 2815) 1 00 8818 3956 7435



Part # 156297-435 RRD82 EXP 03/26

469-434 MTW EXP 11/25

586J5/0E74/59F2

SHIP DATE: 06JUN25
ACTWGT: 36.70 LB
CAD: 6571709/RDSA2
DIMMED: 21 X 21 X
BILL 3rd PARTY

ATTIL 3rd PARTY

**Eurofins Burlington
530 Community Dr
STE 11**

SOUTH BURLINGTON VT 05403

(802) 660-1990

DEPT:

FedEx
Ground



2 of 2

05403

0623 0417 3 (000 448 2815) 1 00 8818 3956 7446



797-435 RRD82 EXP 03/26

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 200-78311-1

Login Number: 78311

List Number: 1

Creator: Lavigne III, Scott N

List Source: Eurofins Burlington

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

Canister Cleaning & Pre-Shipment Leak Test

HAON

8149
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 4/28/2025 12:00 AM 200-1995440

Air-Storage

If time frame was not met, the PM must authorize shipment of canister

Test Method: ☒ TO15 Routine ☐ TO15 LL	Inventory Level	Secondary Review

5149	413025	64925	K8	xxxxxxx	413025	413025
5149	413025	64925	K8	xxxxxxx	413025	413025

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible][illegible][illegible][illegible][illegible]

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory level limited: Canisters may only be used for certain projects

Dup fees/vac gauges (enter IDs if included):

Revision Date: 12/18/2018
Form ID: FAI023:12
TestAmerica Burlington

[illegible]

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77858-1</u>
SDG No.: _____	
Client Sample ID: <u>5149</u>	Lab Sample ID: <u>200-77858-11</u>
Matrix: <u>Air</u>	Lab File ID: <u>64927-11.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>04/28/2025 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/29/2025 16:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>215638</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.010
100-42-5	Styrene	0.040	U	0.040	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.011
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.012
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.014
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0090
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0080
107-05-1	Allyl chloride	0.10	U	0.10	0.016
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.015
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.038
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.014
108-88-3	Toluene	0.040	U	0.040	0.011
108-90-7	Chlorobenzene	0.040	U	0.040	0.0094
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.34
110-54-3	Hexane	0.10	U	0.10	0.032
110-82-7	Cyclohexane	0.040	U	0.040	0.010
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.060
123-91-1	1,4-Dioxane	0.040	U	0.040	0.038
124-48-1	Dibromochloromethane	0.040	U	0.040	0.011
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0072
142-82-5	n-Heptane	0.040	U	0.040	0.017
156-59-2	1,2-Dichloroethene, cis-	0.028	U	0.028	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0040
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.013
179601-23-1	m,p-Xylene	0.10	U	0.10	0.0028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.014
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.013
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.0048
593-60-2	Vinyl bromide	0.040	U	0.040	0.0096
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.014
64-17-5	Ethanol	1.0	U	1.0	0.50
67-63-0	Isopropanol	1.0	U	1.0	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-77858-1
 SDG No.: _____
 Client Sample ID: 5149 Lab Sample ID: 200-77858-11
 Matrix: Air Lab File ID: 64927-11.d
 Analysis Method: TO-15 Date Collected: 04/28/2025 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/29/2025 16:37
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 215638 Units: ppb v/v
 Preparation Batch No.: _____ Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.0	U	1.0	0.38
67-66-3	Chloroform	0.040	U	0.040	0.012
71-43-2	Benzene	0.040	U	0.040	0.010
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.015
74-83-9	Bromomethane	0.040	U	0.040	0.012
74-87-3	Chloromethane	0.10	U	0.10	0.066
75-00-3	Chloroethane	0.10	U	0.10	0.032
75-01-4	Vinyl chloride	0.028	U	0.028	0.0058
75-09-2	Methylene Chloride	0.10	U	0.10	0.038
75-15-0	Carbon disulfide	0.10	U	0.10	0.036
75-25-2	Bromoform	0.040	U	0.040	0.012
75-27-4	Bromodichloromethane	0.040	U	0.040	0.012
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0036
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.0070
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.32
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.015
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.044
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.015
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.011
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.028
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.011
79-01-6	Trichloroethene	0.028	U	0.028	0.0058
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.012
80-62-6	Methyl methacrylate	0.10	U	0.10	0.026
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.016
91-20-3	Naphthalene	0.10	U	0.10	0.022
95-47-6	Xylene, o-	0.040	U	0.040	0.014
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.012
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77858-1</u>
SDG No.: _____	
Client Sample ID: <u>5149</u>	Lab Sample ID: <u>200-77858-11</u>
Matrix: <u>Air</u>	Lab File ID: <u>64927-11.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>04/28/2025 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/29/2025 16:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>215638</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	1.0	U	1.0	0.92
75-45-6	Chlorodifluoromethane	0.10	U	0.10	0.072
106-97-8	Butane	0.10	U	0.10	0.062
108-05-4	Vinyl acetate	1.0	U	1.0	0.42
141-78-6	Ethyl acetate	1.0	U	1.0	0.26
98-82-8	Isopropylbenzene	0.040	U	0.040	0.014
103-65-1	N-Propylbenzene	0.040	U	0.040	0.012
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.014
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.014
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.016
100-44-7	Benzyl chloride	0.040	U	0.040	0.015
104-51-8	n-Butylbenzene	0.040	U	0.040	0.014

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20250429-64927.b\64927-11.d
 Lims ID: 200-77858-A-11
 Client ID: 5149
 Sample Type: Client
 Inject. Date: 29-Apr-2025 16:37:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0064927-011
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20250429-64927.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 30-Apr-2025 04:21:12 Calib Date: 11-Apr-2025 02:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20250410-64660.b\64660-15.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1642

First Level Reviewer: YWL8

Date: 30-Apr-2025 11:00:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.109				ND	7
2 Dichlorodifluoromethane	85		4.200				ND	
3 Chlorodifluoromethane	51		4.238				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.537				ND	
5 Chloromethane	50		4.655				ND	7
6 Vinyl chloride	62		4.949				ND	
7 Butane	43		4.955				ND	7
8 Butadiene	54		5.067				ND	
9 Bromomethane	94		5.811				ND	
10 Chloroethane	64		6.099				ND	
13 Vinyl bromide	106		6.570				ND	
14 Trichlorofluoromethane	101		6.757				ND	
16 Ethanol	45		7.164				ND	
20 1,1-Dichloroethene	96		7.988				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		8.031				ND	
22 Acetone	43		8.057				ND	
23 Isopropyl alcohol	45		8.400				ND	
24 Carbon disulfide	76		8.475				ND	7
26 3-Chloro-1-propene	41		8.812				ND	
27 Methylene Chloride	49		9.090				ND	7
28 2-Methyl-2-propanol	59		9.315				ND	
31 Methyl tert-butyl ether	73		9.689				ND	
30 trans-1,2-Dichloroethene	61		9.694				ND	
32 Hexane	57		10.299				ND	
33 1,1-Dichloroethane	63		10.588				ND	
34 Vinyl acetate	43		10.593				ND	
36 2-Butanone (MEK)	72		11.679				ND	
37 cis-1,2-Dichloroethene	96		11.722				ND	
38 Ethyl acetate	88		11.775				ND	
* 39 Chlorobromomethane	128	12.182	12.187	-0.005	85	249787	10.0	
40 Tetrahydrofuran	42		12.236				ND	
41 Chloroform	83		12.380				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 1,1,1-Trichloroethane	97		12.722				ND	
43 Cyclohexane	84		12.888				ND	
44 Carbon tetrachloride	117		13.038				ND	
45 Benzene	78		13.407				ND	7
46 1,2-Dichloroethane	62		13.482				ND	
47 Isooctane	57		13.643				ND	
48 n-Heptane	43		13.969				ND	7
* 49 1,4-Difluorobenzene	114	14.188	14.194	-0.006	94	1268710	10.0	
51 Trichloroethene	95		14.664				ND	7
53 1,2-Dichloropropane	63		15.140				ND	
54 Methyl methacrylate	69		15.215				ND	
55 1,4-Dioxane	88		15.269				ND	
58 Dichlorobromomethane	83		15.627				ND	
59 cis-1,3-Dichloropropene	75		16.467				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.713				ND	
62 Toluene	92		17.141				ND	7
66 trans-1,3-Dichloropropene	75		17.553				ND	
67 1,1,2-Trichloroethane	83		17.944				ND	
68 Tetrachloroethene	166		18.174				ND	
69 2-Hexanone	43		18.340				ND	
70 Chlorodibromomethane	129		18.714				ND	
71 Ethylene Dibromide	107		18.976				ND	
* 73 Chlorobenzene-d5	117	19.902	19.902	0.000	85	1147050	10.0	
74 Chlorobenzene	112		19.961				ND	
75 Ethylbenzene	91		20.142				ND	7
76 m-Xylene & p-Xylene	106		20.399				ND	7
78 o-Xylene	106		21.111				ND	
79 Styrene	104		21.137				ND	
81 Bromoform	173		21.464				ND	
82 Isopropylbenzene	105		21.726				ND	MU
83 1,1,2,2-Tetrachloroethane	83		22.186				ND	7
85 N-Propylbenzene	91		22.384				ND	7
86 2-Chlorotoluene	91		22.534				ND	
87 4-Ethyltoluene	105		22.566				ND	
88 1,3,5-Trimethylbenzene	105		22.651				ND	
91 tert-Butylbenzene	119		23.112				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.432				ND	
94 1,3-Dichlorobenzene	146		23.625				ND	
95 4-Isopropyltoluene	119		23.646				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.919				ND	
98 n-Butylbenzene	91		24.246				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.022				ND	
103 Hexachlorobutadiene	225		27.290				ND	
104 Naphthalene	128		27.573				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15WISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

1

2

3

4

5

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11

12

13

14

15

16

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20250429-64927.b\64927-11.d

Injection Date: 29-Apr-2025 16:37:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-77858-A-11

Lab Sample ID: 200-77858-11

Worklist Smp#: 11

Client ID: 5149

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

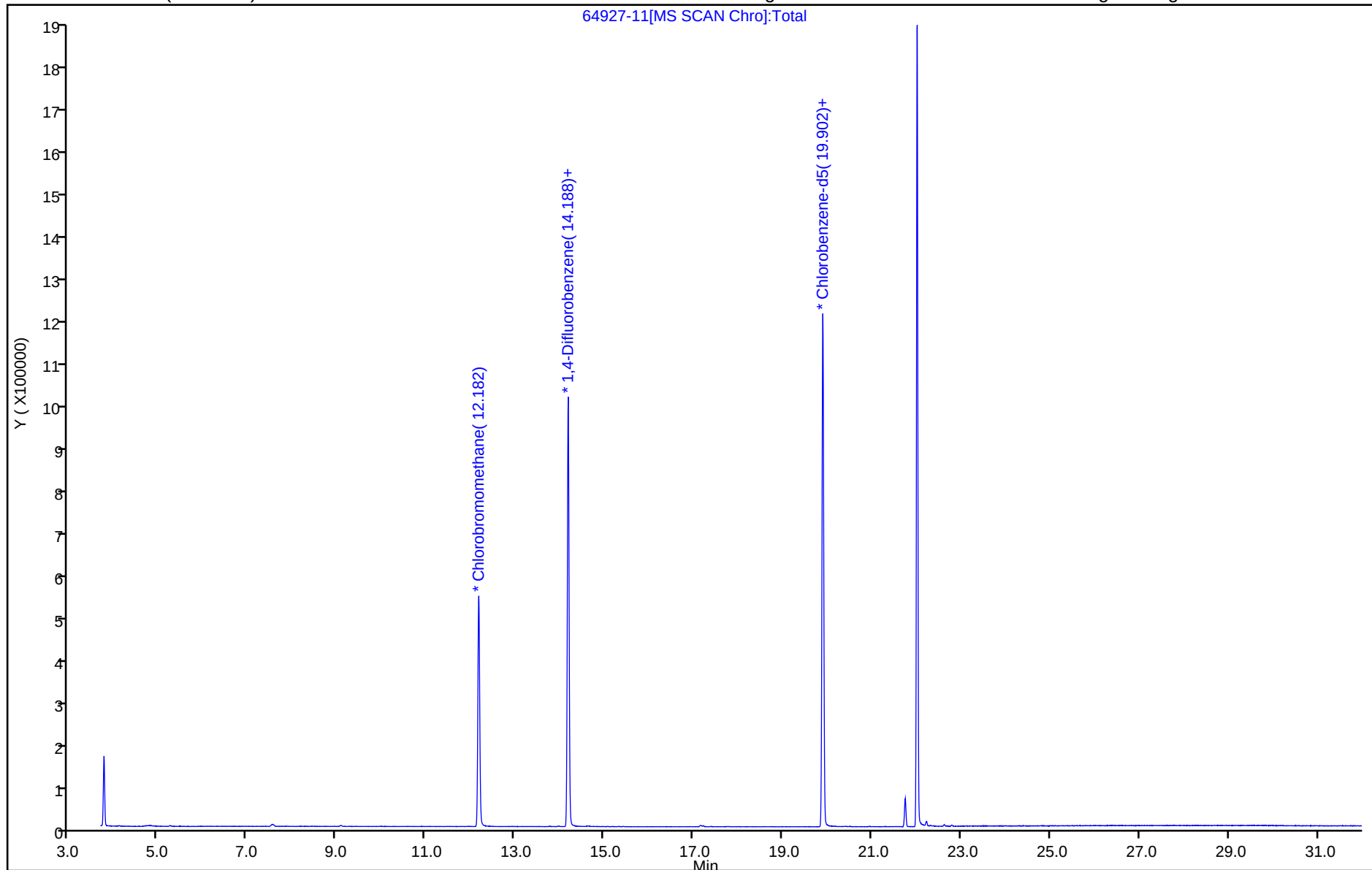
ALS Bottle#: 10

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

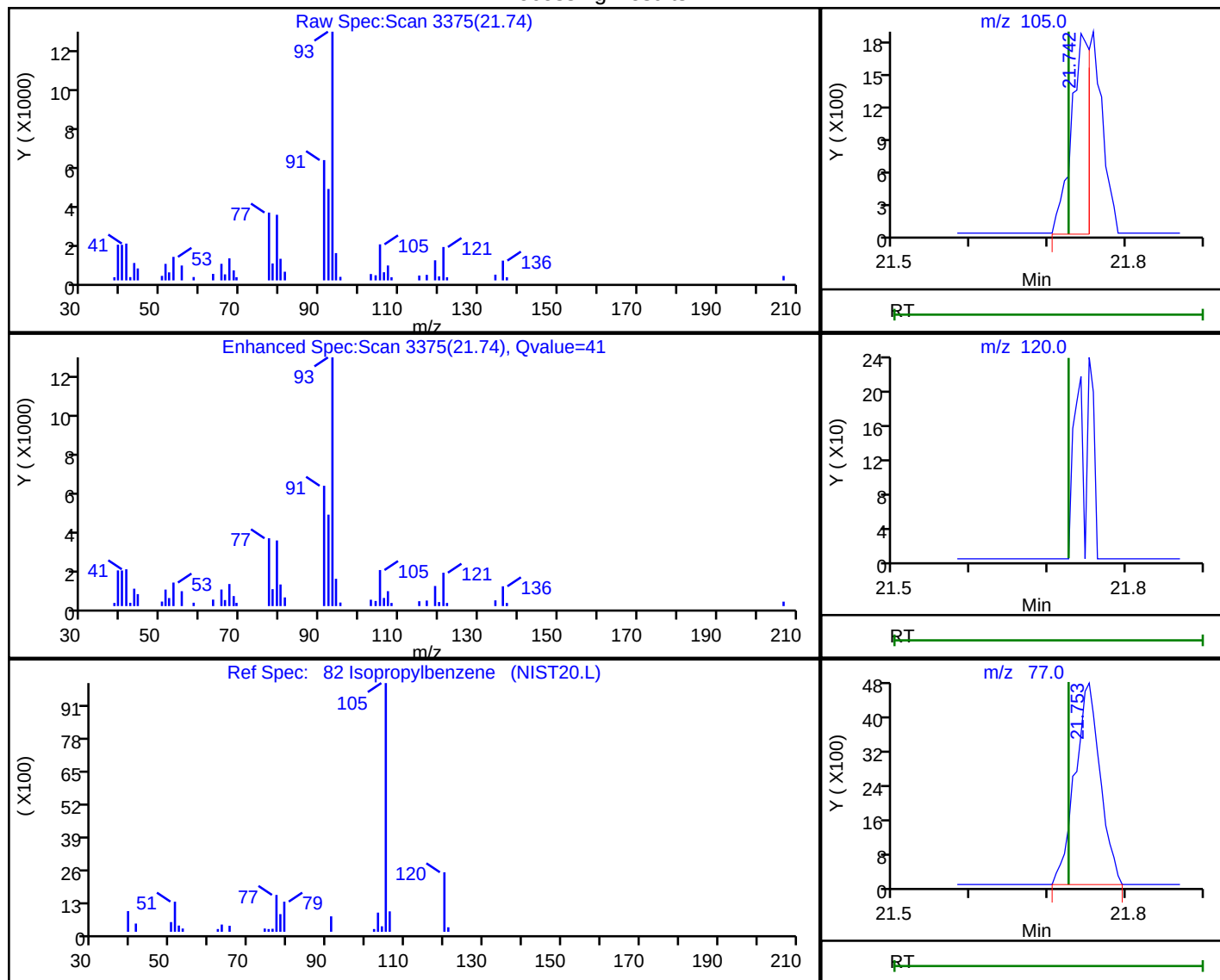


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20250429-64927.b\64927-11.d
Injection Date: 29-Apr-2025 16:37:30 Instrument ID: CHW.i
Lims ID: 200-77858-A-11 Lab Sample ID: 200-77858-11
Client ID: 5149
Operator ID: vtp ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.74	105.00	3078	0.012781
21.73	120.00	0	
21.75	77.00	10783	

Reviewer: YWL8, 30-Apr-2025 10:56:58 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: Brydges Engineering in Environment & Ene
Project/Site: 2nd & Washington, Dunkirk, NY

Job No.: 200-78311-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
200-78311-1	6	-6.7	0.78	4.66	41.5	3.82	22.94		4.93	4.93	G43	06/12/25 9:46	TPB
200-78311-1	6	0	1.00	6.00	45.8	4.12	24.69		4.12	20.27	G43	06/12/25 9:46	TPB
200-78311-1	6	-1.3	0.96	5.74	46.1	4.14	24.82		4.32	87.67	G43	06/13/25 11:32	TPB
200-78311-1	6	0	1.00	6.00	33.5	3.28	19.67		3.28	287.45	G43	06/13/25 11:32	TPB
200-78311-2	6	-14.2	0.53	3.15	-3.29073	0.78	4.66		1.48	1.48	G43	06/10/25 15:19	TPB
200-78311-2	6	-7.4	0.75	4.52	41.0	3.79	22.73		5.03	7.44	G43	06/12/25 9:51	TPB
200-78311-2	6	0	1.00	6.00	17.3	2.18	13.06		2.18	16.19	G43	06/12/25 9:51	TPB
200-78311-3	6	-7.1	0.76	4.58	57.4	4.90	29.43		6.43	6.43	G43	06/12/25 9:57	TPB
200-78311-4	6	-25.6	0.14	0.87	-5.59916	0.62	3.71		4.29	4.29	G43	06/10/25 15:20	TPB
200-78311-4	6	-12.3	0.59	3.53	34.7	3.36	20.16		5.71	24.46	G43	06/16/25 11:22	TPB
200-78311-5	6	-6.0	0.80	4.80	55.3	4.76	28.57		5.96	5.96	G43	06/12/25 10:03	TPB
200-78311-6	6	-12.8	0.57	3.43	-3.04516	0.79	4.76		1.39	1.39	G43	06/10/25 15:20	TPB
200-78311-7	6	-28.9	0.03	0.20	-1.17877	0.92	5.52		26.98	26.98	G43	06/10/25 15:20	TPB
200-78311-8	6	0	1.00	6.00	69.2	5.71	34.24		5.71	5.71	G43	06/12/25 10:07	TPB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Staub
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

Generated 8/27/2025 10:14:19 AM

JOB DESCRIPTION

2nd & Washington Street

JOB NUMBER

480-231923-1

Eurofins Buffalo

Job Notes

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Authorization



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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD 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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi 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.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
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.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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.

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

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 2nd & Washington Street

Job ID: 480-231923-1

Job ID: 480-231923-1

Eurofins Buffalo

Job Narrative 480-231923-1

Receipt

The samples were received on 8/18/2025 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.6° C and 3.6° C.

Receipt Exceptions

Lab received PFAS volume, however PFAS is not requested on COC. PFAS was added to login.

The extra container from PFAS 1633 will be stored in freezer.

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Method 8081B: The method blank for preparation batch 480-754826 and analytical batch 480-754925 contained 4,4'-DDT above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated samples are impacted: RI-MW-2 (480-231923-1), RI-BW-1 (480-231923-2), RI-BW-2 (480-231923-3) and RI-BW-3 (480-231923-4).

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 480-754886 is outside the acceptance criteria for the following analytes: total Silver. 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.

LCMS

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

General Chemistry

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

Organic Prep

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

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Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		3.3	0.89	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	39	F1	1.6	0.49	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	33		1.6	0.41	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.1		1.6	0.65	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	8.1		1.6	0.73	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.6	0.41	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	11	F2 F1	1.6	1.1	ng/L	1		1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		3.3	0.81	ng/L	1		1633	Total/NA
Barium	0.19		0.0020	0.00070	mg/L	1		6010D	Total/NA
Calcium	115		0.50	0.10	mg/L	1		6010D	Total/NA
Cobalt	0.0029	J	0.0040	0.00063	mg/L	1		6010D	Total/NA
Copper	0.0036	J	0.010	0.0016	mg/L	1		6010D	Total/NA
Iron	2.5	F1 F2	0.050	0.019	mg/L	1		6010D	Total/NA
Magnesium	9.4		0.20	0.043	mg/L	1		6010D	Total/NA
Manganese	0.59	F1	0.0030	0.00040	mg/L	1		6010D	Total/NA
Nickel	0.0025	J	0.010	0.0013	mg/L	1		6010D	Total/NA
Potassium	4.6		0.50	0.10	mg/L	1		6010D	Total/NA
Sodium	10		1.0	0.32	mg/L	1		6010D	Total/NA
Zinc	0.021		0.010	0.0015	mg/L	1		6010D	Total/NA
Cyanide, Total	0.0080	J F1 F2	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	6.5		1.0	0.18	ug/L	1		8260C	Total/NA
Ethylbenzene	0.84	J	1.0	0.74	ug/L	1		8260C	Total/NA
Methylcyclohexane	7.1		1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	2.7		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	5.3		2.0	0.66	ug/L	1		8260C	Total/NA
4,4'-DDT	0.032	J B	0.050	0.011	ug/L	1		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	2.3	J	3.2	0.88	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	1.5	J	1.6	0.48	ng/L	1		1633	Total/NA
Aluminum	0.61		0.20	0.060	mg/L	1		6010D	Total/NA
Barium	0.099		0.0020	0.00070	mg/L	1		6010D	Total/NA
Calcium	161		0.50	0.10	mg/L	1		6010D	Total/NA
Chromium	0.0012	J	0.0040	0.0010	mg/L	1		6010D	Total/NA
Cobalt	0.0012	J	0.0040	0.00063	mg/L	1		6010D	Total/NA
Copper	0.0028	J	0.010	0.0016	mg/L	1		6010D	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010D	Total/NA
Magnesium	24.0		0.20	0.043	mg/L	1		6010D	Total/NA
Manganese	0.10		0.0030	0.00040	mg/L	1		6010D	Total/NA
Nickel	0.0054	J	0.010	0.0013	mg/L	1		6010D	Total/NA
Potassium	8.9		0.50	0.10	mg/L	1		6010D	Total/NA
Sodium	130		1.0	0.32	mg/L	1		6010D	Total/NA
Vanadium	0.0023	J	0.0050	0.0015	mg/L	1		6010D	Total/NA
Zinc	0.0035	J	0.010	0.0015	mg/L	1		6010D	Total/NA
Cyanide, Total	0.011		0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	5.8	J	10	3.0	ug/L	1			8260C	Total/NA
Benzene	0.79	J	1.0	0.41	ug/L	1			8260C	Total/NA
Cyclohexane	5.9		1.0	0.18	ug/L	1			8260C	Total/NA
Ethylbenzene	1.2		1.0	0.74	ug/L	1			8260C	Total/NA
Methylcyclohexane	5.4		1.0	0.16	ug/L	1			8260C	Total/NA
Toluene	3.5		1.0	0.51	ug/L	1			8260C	Total/NA
Xylenes, Total	7.7		2.0	0.66	ug/L	1			8260C	Total/NA
1,4-Dioxane	0.18	J	0.20	0.10	ug/L	1			8270D SIM ID	Total/NA
2-Methylnaphthalene	0.66	J	5.2	0.63	ug/L	1			8270D	Total/NA
Heptachlor epoxide	0.0086	J	0.050	0.0074	ug/L	1			8081B	Total/NA
Aluminum	0.082	J	0.20	0.060	mg/L	1			6010D	Total/NA
Barium	0.12		0.0020	0.00070	mg/L	1			6010D	Total/NA
Calcium	55.0		0.50	0.10	mg/L	1			6010D	Total/NA
Cobalt	0.00065	J	0.0040	0.00063	mg/L	1			6010D	Total/NA
Copper	0.0018	J	0.010	0.0016	mg/L	1			6010D	Total/NA
Iron	0.14		0.050	0.019	mg/L	1			6010D	Total/NA
Magnesium	19.5		0.20	0.043	mg/L	1			6010D	Total/NA
Manganese	0.035		0.0030	0.00040	mg/L	1			6010D	Total/NA
Nickel	0.0013	J	0.010	0.0013	mg/L	1			6010D	Total/NA
Potassium	21.4		0.50	0.10	mg/L	1			6010D	Total/NA
Sodium	34.1		1.0	0.32	mg/L	1			6010D	Total/NA
Vanadium	0.0024	J	0.0050	0.0015	mg/L	1			6010D	Total/NA
Cyanide, Total	0.0080	J	0.010	0.0050	mg/L	1			9012B	Total/NA

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.41	ug/L	1			8260C	Total/NA
Cyclohexane	5.7		1.0	0.18	ug/L	1			8260C	Total/NA
Ethylbenzene	1.0		1.0	0.74	ug/L	1			8260C	Total/NA
Methylcyclohexane	6.2		1.0	0.16	ug/L	1			8260C	Total/NA
Toluene	3.8		1.0	0.51	ug/L	1			8260C	Total/NA
Xylenes, Total	6.6		2.0	0.66	ug/L	1			8260C	Total/NA
4,4'-DDT	0.043	J B	0.050	0.011	ug/L	1			8081B	Total/NA
Perfluorobutanoic acid (PFBA)	1.6	J	3.3	0.92	ng/L	1			1633	Total/NA
Perfluoropentanoic acid (PFPeA)	0.94	J	1.7	0.50	ng/L	1			1633	Total/NA
Aluminum	0.31		0.20	0.060	mg/L	1			6010D	Total/NA
Barium	0.57		0.0020	0.00070	mg/L	1			6010D	Total/NA
Calcium	115		0.50	0.10	mg/L	1			6010D	Total/NA
Copper	0.0017	J	0.010	0.0016	mg/L	1			6010D	Total/NA
Iron	0.33		0.050	0.019	mg/L	1			6010D	Total/NA
Magnesium	30.5		0.20	0.043	mg/L	1			6010D	Total/NA
Manganese	0.28		0.0030	0.00040	mg/L	1			6010D	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1			6010D	Total/NA
Potassium	4.1		0.50	0.10	mg/L	1			6010D	Total/NA
Selenium	0.0094	J	0.025	0.0087	mg/L	1			6010D	Total/NA
Sodium	73.7		1.0	0.32	mg/L	1			6010D	Total/NA
Cyanide, Total	0.0060	J	0.010	0.0050	mg/L	1			9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/20/25 16:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/20/25 16:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/20/25 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/20/25 16:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/20/25 16:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/20/25 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/20/25 16:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/20/25 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/20/25 16:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/20/25 16:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/20/25 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/20/25 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/20/25 16:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/20/25 16:22	1
2-Hexanone	ND		5.0	1.2	ug/L			08/20/25 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/20/25 16:22	1
Acetone	ND		10	3.0	ug/L			08/20/25 16:22	1
Benzene	ND		1.0	0.41	ug/L			08/20/25 16:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/20/25 16:22	1
Bromoform	ND		1.0	0.26	ug/L			08/20/25 16:22	1
Bromomethane	ND		1.0	0.69	ug/L			08/20/25 16:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/20/25 16:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/20/25 16:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/20/25 16:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/20/25 16:22	1
Chloroethane	ND		1.0	0.32	ug/L			08/20/25 16:22	1
Chloroform	ND		1.0	0.34	ug/L			08/20/25 16:22	1
Chloromethane	ND		1.0	0.35	ug/L			08/20/25 16:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/20/25 16:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/20/25 16:22	1
Cyclohexane	ND		1.0	0.18	ug/L			08/20/25 16:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/20/25 16:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/20/25 16:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/20/25 16:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/20/25 16:22	1
Methyl acetate	ND		2.5	1.3	ug/L			08/20/25 16:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/20/25 16:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/20/25 16:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/20/25 16:22	1
Styrene	ND		1.0	0.73	ug/L			08/20/25 16:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/20/25 16:22	1
Toluene	ND		1.0	0.51	ug/L			08/20/25 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/20/25 16:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/20/25 16:22	1
Trichloroethene	ND		1.0	0.46	ug/L			08/20/25 16:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/20/25 16:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/20/25 16:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/20/25 16:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		08/20/25 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					08/20/25 16:22	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					08/20/25 16:22	1
4-Bromofluorobenzene (Surr)	95		73 - 120					08/20/25 16:22	1
Dibromofluoromethane (Surr)	112		75 - 123					08/20/25 16:22	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		08/19/25 13:32	08/20/25 11:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	43		15 - 110				08/19/25 13:32	08/20/25 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		08/21/25 07:54	08/22/25 16:34	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 16:34	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Nitroaniline	ND		10	0.42	ug/L		08/21/25 07:54	08/22/25 16:34	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 16:34	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 16:34	1
3-Nitroaniline	ND		10	0.48	ug/L		08/21/25 07:54	08/22/25 16:34	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Methylphenol	ND		10	0.36	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Nitroaniline	ND		10	0.25	ug/L		08/21/25 07:54	08/22/25 16:34	1
4-Nitrophenol	ND		10	1.5	ug/L		08/21/25 07:54	08/22/25 16:34	1
Acenaphthene	ND		5.0	0.41	ug/L		08/21/25 07:54	08/22/25 16:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/21/25 07:54	08/22/25 16:34	1
Acetophenone	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 16:34	1
Anthracene	ND		5.0	0.28	ug/L		08/21/25 07:54	08/22/25 16:34	1
Atrazine	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 16:34	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/21/25 07:54	08/22/25 16:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 16:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 16:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 16:34	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 16:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/21/25 07:54	08/22/25 16:34	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 16:34	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 16:34	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/21/25 07:54	08/22/25 16:34	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/21/25 07:54	08/22/25 16:34	1
Caprolactam	ND	*	5.0	2.2	ug/L		08/21/25 07:54	08/22/25 16:34	1
Carbazole	ND		5.0	0.30	ug/L		08/21/25 07:54	08/22/25 16:34	1
Chrysene	ND		5.0	0.33	ug/L		08/21/25 07:54	08/22/25 16:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/21/25 07:54	08/22/25 16:34	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/21/25 07:54	08/22/25 16:34	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 16:34	1
Dibenzofuran	ND		10	0.51	ug/L		08/21/25 07:54	08/22/25 16:34	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/21/25 07:54	08/22/25 16:34	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 16:34	1
Fluoranthene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 16:34	1
Fluorene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 16:34	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 16:34	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/21/25 07:54	08/22/25 16:34	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 16:34	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 16:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 16:34	1
Isophorone	ND		5.0	0.43	ug/L		08/21/25 07:54	08/22/25 16:34	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 16:34	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 16:34	1
Naphthalene	ND		5.0	0.76	ug/L		08/21/25 07:54	08/22/25 16:34	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/21/25 07:54	08/22/25 16:34	1
Pentachlorophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 16:34	1
Phenanthrene	ND		5.0	0.44	ug/L		08/21/25 07:54	08/22/25 16:34	1
Phenol	ND		5.0	0.39	ug/L		08/21/25 07:54	08/22/25 16:34	1
Pyrene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 16:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.0	T J	ug/L		3.38	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	2.3	T J	ug/L		4.45	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	5.5	T J	ug/L		4.70	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	30	T J	ug/L		4.92	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	6.1	T J	ug/L		4.97	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	2.5	T J	ug/L		5.33	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	1.7	T J	ug/L		5.45	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	7.0	T J	ug/L		5.61	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	4.9	T J	ug/L		5.64	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	2.3	T J	ug/L		5.74	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	6.2	T J	ug/L		5.84	N/A	08/21/25 07:54	08/22/25 16:34	1
Unknown	3.9	T J	ug/L		5.87	N/A	08/21/25 07:54	08/22/25 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		29 - 129	08/21/25 07:54	08/22/25 16:34	1
Phenol-d5 (Surr)	46		10 - 120	08/21/25 07:54	08/22/25 16:34	1
p-Terphenyl-d14 (Surr)	88		33 - 132	08/21/25 07:54	08/22/25 16:34	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		25 - 144	08/21/25 07:54	08/22/25 16:34	1
2-Fluorobiphenyl (Surr)	110		53 - 126	08/21/25 07:54	08/22/25 16:34	1
2-Fluorophenol (Surr)	67		24 - 120	08/21/25 07:54	08/22/25 16:34	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/20/25 08:47	08/21/25 14:45	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 14:45	1
4,4'-DDT	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 14:45	1
Aldrin	ND		0.050	0.0081	ug/L		08/20/25 08:47	08/21/25 14:45	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/20/25 08:47	08/21/25 14:45	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/20/25 08:47	08/21/25 14:45	1
beta-BHC	ND		0.050	0.025	ug/L		08/20/25 08:47	08/21/25 14:45	1
delta-BHC	ND		0.050	0.010	ug/L		08/20/25 08:47	08/21/25 14:45	1
Dieldrin	ND		0.050	0.0098	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endosulfan I	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endosulfan II	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endrin	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 14:45	1
Endrin ketone	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 14:45	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/20/25 08:47	08/21/25 14:45	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 14:45	1
Heptachlor	ND		0.050	0.0085	ug/L		08/20/25 08:47	08/21/25 14:45	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/20/25 08:47	08/21/25 14:45	1
Methoxychlor	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 14:45	1
Toxaphene	ND		0.50	0.12	ug/L		08/20/25 08:47	08/21/25 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	136	S1+	10 - 120	08/20/25 08:47	08/21/25 14:45	1
DCB Decachlorobiphenyl	89		10 - 120	08/20/25 08:47	08/21/25 14:45	1
Tetrachloro-m-xylene	90		10 - 120	08/20/25 08:47	08/21/25 14:45	1
Tetrachloro-m-xylene	99		10 - 120	08/20/25 08:47	08/21/25 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1221	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1232	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1242	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1248	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1254	ND		0.52	0.26	ug/L		08/20/25 08:52	08/21/25 14:09	1
PCB-1260	ND		0.52	0.26	ug/L		08/20/25 08:52	08/21/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		10 - 145	08/20/25 08:52	08/21/25 14:09	1
Tetrachloro-m-xylene	84		10 - 145	08/20/25 08:52	08/21/25 14:09	1
DCB Decachlorobiphenyl	68		10 - 123	08/20/25 08:52	08/21/25 14:09	1
DCB Decachlorobiphenyl	64		10 - 123	08/20/25 08:52	08/21/25 14:09	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		3.3	0.89	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoropentanoic acid (PFPeA)	39	F1	1.6	0.49	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorohexanoic acid (PFHxA)	33		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoroheptanoic acid (PFHpA)	3.1		1.6	0.65	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorooctanoic acid (PFOA)	8.1		1.6	0.73	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND	F1	1.6	0.65	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorooctanesulfonic acid (PFOS)	11	F2 F1	1.6	1.1	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		08/22/25 12:04	08/22/25 22:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		08/22/25 12:04	08/22/25 22:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		3.3	0.81	ng/L		08/22/25 12:04	08/22/25 22:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.81	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	2.0	ng/L		08/22/25 12:04	08/22/25 22:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.3	ng/L		08/22/25 12:04	08/22/25 22:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		08/22/25 12:04	08/22/25 22:16	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	F1	1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		08/22/25 12:04	08/22/25 22:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		08/22/25 12:04	08/22/25 22:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		08/22/25 12:04	08/22/25 22:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		08/22/25 12:04	08/22/25 22:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	109		5 - 130				08/22/25 12:04	08/22/25 22:16	1
13C5-PFPeA	105		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C5-PFHxA	95.9		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C4-PFHpA	107		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C8-PFOA	105		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C9-PFNA	115		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C6-PFDA	95.5		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C7-PFUnA	77.8		30 - 130				08/22/25 12:04	08/22/25 22:16	1
13C2-PFTeDA	71.2		10 - 130				08/22/25 12:04	08/22/25 22:16	1
13C3-PFBS	112		40 - 135				08/22/25 12:04	08/22/25 22:16	1
13C3-PFHxS	113		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C8-PFOS	109		40 - 130				08/22/25 12:04	08/22/25 22:16	1
13C8-PFOSA	105		40 - 130				08/22/25 12:04	08/22/25 22:16	1
d3-NMeFOSAA	97.5		40 - 170				08/22/25 12:04	08/22/25 22:16	1
d5-NEtFOSAA	97.8		25 - 135				08/22/25 12:04	08/22/25 22:16	1
13C2 4:2 FTS	185		40 - 200				08/22/25 12:04	08/22/25 22:16	1
13C2 6:2 FTS	170		40 - 200				08/22/25 12:04	08/22/25 22:16	1
13C2 8:2 FTS	143		40 - 300				08/22/25 12:04	08/22/25 22:16	1
13C3-HFPO-DA	91.3		40 - 130				08/22/25 12:04	08/22/25 22:16	1
D7-NMeFOSE	62.9		10 - 130				08/22/25 12:04	08/22/25 22:16	1
D9-NEtFOSE	51.0		10 - 130				08/22/25 12:04	08/22/25 22:16	1
d5-NEtPFOSA	87.6		10 - 130				08/22/25 12:04	08/22/25 22:16	1
d3-NMePFOSA	90.1		10 - 130				08/22/25 12:04	08/22/25 22:16	1
13C2 PFDoA	81.1		10 - 130				08/22/25 12:04	08/22/25 22:16	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/20/25 08:10	08/20/25 13:48	1
Antimony	ND		0.020	0.0068	mg/L		08/20/25 08:10	08/20/25 13:48	1
Arsenic	ND		0.015	0.0056	mg/L		08/20/25 08:10	08/20/25 13:48	1
Barium	0.19		0.0020	0.00070	mg/L		08/20/25 08:10	08/20/25 13:48	1
Beryllium	ND		0.0020	0.00030	mg/L		08/20/25 08:10	08/20/25 13:48	1
Cadmium	ND		0.0020	0.00050	mg/L		08/20/25 08:10	08/20/25 13:48	1
Calcium	115		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 13:48	1
Chromium	ND		0.0040	0.0010	mg/L		08/20/25 08:10	08/20/25 13:48	1
Cobalt	0.0029	J	0.0040	0.00063	mg/L		08/20/25 08:10	08/20/25 13:48	1
Copper	0.0036	J	0.010	0.0016	mg/L		08/20/25 08:10	08/20/25 13:48	1
Iron	2.5	F1 F2	0.050	0.019	mg/L		08/20/25 08:10	08/20/25 13:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L		08/20/25 08:10	08/20/25 13:48	1
Magnesium	9.4		0.20	0.043	mg/L		08/20/25 08:10	08/20/25 13:48	1
Manganese	0.59	F1	0.0030	0.00040	mg/L		08/20/25 08:10	08/20/25 13:48	1
Nickel	0.0025	J	0.010	0.0013	mg/L		08/20/25 08:10	08/20/25 13:48	1
Potassium	4.6		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 13:48	1
Selenium	ND		0.025	0.0087	mg/L		08/20/25 08:10	08/20/25 13:48	1
Silver	ND	^5-	0.0060	0.0017	mg/L		08/20/25 08:10	08/20/25 13:48	1
Sodium	10		1.0	0.32	mg/L		08/20/25 08:10	08/20/25 13:48	1
Thallium	ND		0.020	0.010	mg/L		08/20/25 08:10	08/20/25 13:48	1
Vanadium	ND		0.0050	0.0015	mg/L		08/20/25 08:10	08/20/25 13:48	1
Zinc	0.021		0.010	0.0015	mg/L		08/20/25 08:10	08/20/25 13:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/20/25 07:49	08/20/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0080	J F1 F2	0.010	0.0050	mg/L		08/25/25 13:30	08/25/25 16:00	1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/20/25 16:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/20/25 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/20/25 16:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/20/25 16:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/20/25 16:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/20/25 16:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/20/25 16:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/20/25 16:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/20/25 16:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/20/25 16:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/20/25 16:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/20/25 16:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/20/25 16:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/20/25 16:45	1
2-Hexanone	ND		5.0	1.2	ug/L			08/20/25 16:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/20/25 16:45	1
Acetone	ND		10	3.0	ug/L			08/20/25 16:45	1
Benzene	ND		1.0	0.41	ug/L			08/20/25 16:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/20/25 16:45	1
Bromoform	ND		1.0	0.26	ug/L			08/20/25 16:45	1
Bromomethane	ND		1.0	0.69	ug/L			08/20/25 16:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/20/25 16:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/20/25 16:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/20/25 16:45	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			08/20/25 16:45	1
Chloroethane	ND		1.0	0.32	ug/L			08/20/25 16:45	1
Chloroform	ND		1.0	0.34	ug/L			08/20/25 16:45	1
Chloromethane	ND		1.0	0.35	ug/L			08/20/25 16:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/20/25 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/20/25 16:45	1
Cyclohexane	6.5		1.0	0.18	ug/L			08/20/25 16:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/20/25 16:45	1
Ethylbenzene	0.84	J	1.0	0.74	ug/L			08/20/25 16:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/20/25 16:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/20/25 16:45	1
Methyl acetate	ND		2.5	1.3	ug/L			08/20/25 16:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/20/25 16:45	1
Methylcyclohexane	7.1		1.0	0.16	ug/L			08/20/25 16:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/20/25 16:45	1
Styrene	ND		1.0	0.73	ug/L			08/20/25 16:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/20/25 16:45	1
Toluene	2.7		1.0	0.51	ug/L			08/20/25 16:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/20/25 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/20/25 16:45	1
Trichloroethene	ND		1.0	0.46	ug/L			08/20/25 16:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/20/25 16:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/20/25 16:45	1
Xylenes, Total	5.3		2.0	0.66	ug/L			08/20/25 16:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	6.2	T J N	ug/L		1.68	78-78-4		08/20/25 16:45	1
Unknown	5.9	T J	ug/L		1.89	N/A		08/20/25 16:45	1
Unknown	2.6	T J	ug/L		2.71	N/A		08/20/25 16:45	1
Cyclopentane, methyl-	6.3	T J N	ug/L		3.66	96-37-7		08/20/25 16:45	1
m-Xylene & p-Xylene	3.6		ug/L		7.22	179601-23-1		08/20/25 16:45	1
o-Xylene	1.7		ug/L		7.55	95-47-6		08/20/25 16:45	1
Benzene, 1,2,3-trimethyl-	2.9	T J N	ug/L		8.63	526-73-8		08/20/25 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		08/20/25 16:45	1
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		08/20/25 16:45	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/20/25 16:45	1
Dibromofluoromethane (Surr)	111		75 - 123		08/20/25 16:45	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		08/19/25 13:32	08/20/25 13:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	40		15 - 110				08/19/25 13:32	08/20/25 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		08/21/25 07:54	08/22/25 17:02	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/21/25 07:54	08/22/25 17:02	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 17:02	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Nitroaniline	ND		10	0.42	ug/L		08/21/25 07:54	08/22/25 17:02	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 17:02	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 17:02	1
3-Nitroaniline	ND		10	0.48	ug/L		08/21/25 07:54	08/22/25 17:02	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Methylphenol	ND		10	0.36	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Nitroaniline	ND		10	0.25	ug/L		08/21/25 07:54	08/22/25 17:02	1
4-Nitrophenol	ND		10	1.5	ug/L		08/21/25 07:54	08/22/25 17:02	1
Acenaphthene	ND		5.0	0.41	ug/L		08/21/25 07:54	08/22/25 17:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/21/25 07:54	08/22/25 17:02	1
Acetophenone	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 17:02	1
Anthracene	ND		5.0	0.28	ug/L		08/21/25 07:54	08/22/25 17:02	1
Atrazine	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 17:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/21/25 07:54	08/22/25 17:02	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 17:02	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 17:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/21/25 07:54	08/22/25 17:02	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/21/25 07:54	08/22/25 17:02	1
Caprolactam	ND	*	5.0	2.2	ug/L		08/21/25 07:54	08/22/25 17:02	1
Carbazole	ND		5.0	0.30	ug/L		08/21/25 07:54	08/22/25 17:02	1
Chrysene	ND		5.0	0.33	ug/L		08/21/25 07:54	08/22/25 17:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/21/25 07:54	08/22/25 17:02	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/21/25 07:54	08/22/25 17:02	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 17:02	1
Dibenzofuran	ND		10	0.51	ug/L		08/21/25 07:54	08/22/25 17:02	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/21/25 07:54	08/22/25 17:02	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 17:02	1
Fluoranthene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 17:02	1
Fluorene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 17:02	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 17:02	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/21/25 07:54	08/22/25 17:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 17:02	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 17:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 17:02	1
Isophorone	ND		5.0	0.43	ug/L		08/21/25 07:54	08/22/25 17:02	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 17:02	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 17:02	1
Naphthalene	ND		5.0	0.76	ug/L		08/21/25 07:54	08/22/25 17:02	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/21/25 07:54	08/22/25 17:02	1
Pentachlorophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 17:02	1
Phenanthrene	ND		5.0	0.44	ug/L		08/21/25 07:54	08/22/25 17:02	1
Phenol	ND		5.0	0.39	ug/L		08/21/25 07:54	08/22/25 17:02	1
Pyrene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 17:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.9	T J	ug/L		3.38	N/A	08/21/25 07:54	08/22/25 17:02	1
Toluene	1.9	T J N	ug/L		4.33	108-88-3	08/21/25 07:54	08/22/25 17:02	1
Unknown	2.2	T J	ug/L		4.44	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	5.6	T J	ug/L		4.70	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	28	T J	ug/L		4.92	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	6.0	T J	ug/L		4.96	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	2.4	T J	ug/L		5.33	N/A	08/21/25 07:54	08/22/25 17:02	1
Benzene, 1,3-dimethyl-	3.3	T J N	ug/L		5.44	108-38-3	08/21/25 07:54	08/22/25 17:02	1
Unknown	7.0	T J	ug/L		5.62	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	4.0	T J	ug/L		5.63	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	2.4	T J	ug/L		5.74	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	5.5	T J	ug/L		5.84	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	4.0	T J	ug/L		5.87	N/A	08/21/25 07:54	08/22/25 17:02	1
Unknown	1.9	T J	ug/L		5.97	N/A	08/21/25 07:54	08/22/25 17:02	1
Benzene, 1,2,3-trimethyl-	3.9	T J N	ug/L		6.25	526-73-8	08/21/25 07:54	08/22/25 17:02	1
Benzene, 1,3,5-trimethyl-	1.9	T J N	ug/L		6.47	108-67-8	08/21/25 07:54	08/22/25 17:02	1
Unknown	1.7	T J	ug/L		7.03	N/A	08/21/25 07:54	08/22/25 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		29 - 129	08/21/25 07:54	08/22/25 17:02	1
Phenol-d5 (Surr)	41		10 - 120	08/21/25 07:54	08/22/25 17:02	1
p-Terphenyl-d14 (Surr)	94		33 - 132	08/21/25 07:54	08/22/25 17:02	1
2,4,6-Tribromophenol (Surr)	95		25 - 144	08/21/25 07:54	08/22/25 17:02	1
2-Fluorobiphenyl (Surr)	100		53 - 126	08/21/25 07:54	08/22/25 17:02	1
2-Fluorophenol (Surr)	61		24 - 120	08/21/25 07:54	08/22/25 17:02	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/20/25 08:47	08/21/25 15:04	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:04	1
4,4'-DDT	0.032	J B	0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:04	1
Aldrin	ND		0.050	0.0081	ug/L		08/20/25 08:47	08/21/25 15:04	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/20/25 08:47	08/21/25 15:04	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/20/25 08:47	08/21/25 15:04	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		0.050	0.025	ug/L		08/20/25 08:47	08/21/25 15:04	1
delta-BHC	ND		0.050	0.010	ug/L		08/20/25 08:47	08/21/25 15:04	1
Dieldrin	ND		0.050	0.0098	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endosulfan I	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endosulfan II	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endrin	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:04	1
Endrin ketone	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:04	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/20/25 08:47	08/21/25 15:04	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:04	1
Heptachlor	ND		0.050	0.0085	ug/L		08/20/25 08:47	08/21/25 15:04	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/20/25 08:47	08/21/25 15:04	1
Methoxychlor	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:04	1
Toxaphene	ND		0.50	0.12	ug/L		08/20/25 08:47	08/21/25 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	222	S1+	10 - 120	08/20/25 08:47	08/21/25 15:04	1
DCB Decachlorobiphenyl	72		10 - 120	08/20/25 08:47	08/21/25 15:04	1
Tetrachloro-m-xylene	86		10 - 120	08/20/25 08:47	08/21/25 15:04	1
Tetrachloro-m-xylene	90		10 - 120	08/20/25 08:47	08/21/25 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1221	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1232	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1242	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1248	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1254	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 14:28	1
PCB-1260	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		10 - 145	08/20/25 08:52	08/21/25 14:28	1
Tetrachloro-m-xylene	85		10 - 145	08/20/25 08:52	08/21/25 14:28	1
DCB Decachlorobiphenyl	51		10 - 123	08/20/25 08:52	08/21/25 14:28	1
DCB Decachlorobiphenyl	45		10 - 123	08/20/25 08:52	08/21/25 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.3	J	3.2	0.88	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoropentanoic acid (PFPeA)	1.5	J	1.6	0.48	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.64	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.72	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.64	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.0	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		08/22/25 12:04	08/22/25 22:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		08/22/25 12:04	08/22/25 22:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.80	ng/L		08/22/25 12:04	08/22/25 22:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.80	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	2.0	ng/L		08/22/25 12:04	08/22/25 22:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		08/22/25 12:04	08/22/25 22:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		08/22/25 12:04	08/22/25 22:57	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		08/22/25 12:04	08/22/25 22:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		08/22/25 12:04	08/22/25 22:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.0	2.2	ng/L		08/22/25 12:04	08/22/25 22:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		08/22/25 12:04	08/22/25 22:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4-PFBA	101		5 - 130				08/22/25 12:04	08/22/25 22:57	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5-PFPeA	116		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C5-PFHxA	105		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C4-PFHpA	101		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C8-PFOA	106		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C9-PFNA	105		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C6-PFDA	97.2		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C7-PFUnA	88.6		30 - 130	08/22/25 12:04	08/22/25 22:57	1
13C2-PFTeDA	81.2		10 - 130	08/22/25 12:04	08/22/25 22:57	1
13C3-PFBS	101		40 - 135	08/22/25 12:04	08/22/25 22:57	1
13C3-PFHxS	107		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C8-PFOS	104		40 - 130	08/22/25 12:04	08/22/25 22:57	1
13C8-PFOSA	96.1		40 - 130	08/22/25 12:04	08/22/25 22:57	1
d3-NMeFOSAA	87.5		40 - 170	08/22/25 12:04	08/22/25 22:57	1
d5-NEtFOSAA	86.9		25 - 135	08/22/25 12:04	08/22/25 22:57	1
13C2 4:2 FTS	128		40 - 200	08/22/25 12:04	08/22/25 22:57	1
13C2 6:2 FTS	121		40 - 200	08/22/25 12:04	08/22/25 22:57	1
13C2 8:2 FTS	112		40 - 300	08/22/25 12:04	08/22/25 22:57	1
13C3-HFPO-DA	98.6		40 - 130	08/22/25 12:04	08/22/25 22:57	1
D7-NMeFOSE	82.6		10 - 130	08/22/25 12:04	08/22/25 22:57	1
D9-NEtFOSE	64.5		10 - 130	08/22/25 12:04	08/22/25 22:57	1
d5-NEtPFOSA	82.4		10 - 130	08/22/25 12:04	08/22/25 22:57	1
d3-NMePFOSA	80.7		10 - 130	08/22/25 12:04	08/22/25 22:57	1
13C2 PFDaA	86.7		10 - 130	08/22/25 12:04	08/22/25 22:57	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.61		0.20	0.060	mg/L		08/20/25 08:10	08/20/25 14:04	1
Antimony	ND		0.020	0.0068	mg/L		08/20/25 08:10	08/20/25 14:04	1
Arsenic	ND		0.015	0.0056	mg/L		08/20/25 08:10	08/20/25 14:04	1
Barium	0.099		0.0020	0.00070	mg/L		08/20/25 08:10	08/20/25 14:04	1
Beryllium	ND		0.0020	0.00030	mg/L		08/20/25 08:10	08/20/25 14:04	1
Cadmium	ND		0.0020	0.00050	mg/L		08/20/25 08:10	08/20/25 14:04	1
Calcium	161		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:04	1
Chromium	0.0012	J	0.0040	0.0010	mg/L		08/20/25 08:10	08/20/25 14:04	1
Cobalt	0.0012	J	0.0040	0.00063	mg/L		08/20/25 08:10	08/20/25 14:04	1
Copper	0.0028	J	0.010	0.0016	mg/L		08/20/25 08:10	08/20/25 14:04	1
Iron	1.4		0.050	0.019	mg/L		08/20/25 08:10	08/20/25 14:04	1
Lead	ND		0.010	0.0030	mg/L		08/20/25 08:10	08/20/25 14:04	1
Magnesium	24.0		0.20	0.043	mg/L		08/20/25 08:10	08/20/25 14:04	1
Manganese	0.10		0.0030	0.00040	mg/L		08/20/25 08:10	08/20/25 14:04	1
Nickel	0.0054	J	0.010	0.0013	mg/L		08/20/25 08:10	08/20/25 14:04	1
Potassium	8.9		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:04	1
Selenium	ND		0.025	0.0087	mg/L		08/20/25 08:10	08/20/25 14:04	1
Silver	ND	^5-	0.0060	0.0017	mg/L		08/20/25 08:10	08/20/25 14:04	1
Sodium	130		1.0	0.32	mg/L		08/20/25 08:10	08/20/25 14:04	1
Thallium	ND		0.020	0.010	mg/L		08/20/25 08:10	08/20/25 14:04	1
Vanadium	0.0023	J	0.0050	0.0015	mg/L		08/20/25 08:10	08/20/25 14:04	1
Zinc	0.0035	J	0.010	0.0015	mg/L		08/20/25 08:10	08/20/25 14:04	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/20/25 07:49	08/20/25 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.011		0.010	0.0050	mg/L		08/25/25 13:30	08/25/25 16:01	1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/20/25 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/20/25 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/20/25 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/20/25 17:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/20/25 17:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/20/25 17:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/20/25 17:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/20/25 17:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/20/25 17:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/20/25 17:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/20/25 17:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/20/25 17:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/20/25 17:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/20/25 17:07	1
2-Hexanone	ND		5.0	1.2	ug/L			08/20/25 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/20/25 17:07	1
Acetone	5.8	J	10	3.0	ug/L			08/20/25 17:07	1
Benzene	0.79	J	1.0	0.41	ug/L			08/20/25 17:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/20/25 17:07	1
Bromoform	ND		1.0	0.26	ug/L			08/20/25 17:07	1
Bromomethane	ND		1.0	0.69	ug/L			08/20/25 17:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/20/25 17:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/20/25 17:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/20/25 17:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/20/25 17:07	1
Chloroethane	ND		1.0	0.32	ug/L			08/20/25 17:07	1
Chloroform	ND		1.0	0.34	ug/L			08/20/25 17:07	1
Chloromethane	ND		1.0	0.35	ug/L			08/20/25 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/20/25 17:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/20/25 17:07	1
Cyclohexane	5.9		1.0	0.18	ug/L			08/20/25 17:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/20/25 17:07	1
Ethylbenzene	1.2		1.0	0.74	ug/L			08/20/25 17:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/20/25 17:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/20/25 17:07	1
Methyl acetate	ND		2.5	1.3	ug/L			08/20/25 17:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/20/25 17:07	1
Methylcyclohexane	5.4		1.0	0.16	ug/L			08/20/25 17:07	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			08/20/25 17:07	1
Styrene	ND		1.0	0.73	ug/L			08/20/25 17:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/20/25 17:07	1
Toluene	3.5		1.0	0.51	ug/L			08/20/25 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/20/25 17:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/20/25 17:07	1
Trichloroethene	ND		1.0	0.46	ug/L			08/20/25 17:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/20/25 17:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/20/25 17:07	1
Xylenes, Total	7.7		2.0	0.66	ug/L			08/20/25 17:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	7.0	T J N	ug/L		1.68	78-78-4		08/20/25 17:07	1
Pentane	5.8	T J N	ug/L		1.88	109-66-0		08/20/25 17:07	1
Cyclopentane, methyl-	5.8	T J N	ug/L		3.65	96-37-7		08/20/25 17:07	1
m-Xylene & p-Xylene	5.0		ug/L		7.22	179601-23-1		08/20/25 17:07	1
o-Xylene	2.7		ug/L		7.55	95-47-6		08/20/25 17:07	1
Benzene, 1,2,3-trimethyl-	3.3	T J N	ug/L		8.63	526-73-8		08/20/25 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		08/20/25 17:07	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		08/20/25 17:07	1
4-Bromofluorobenzene (Surr)	93		73 - 120		08/20/25 17:07	1
Dibromofluoromethane (Surr)	110		75 - 123		08/20/25 17:07	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.18	J	0.20	0.10	ug/L		08/19/25 13:32	08/20/25 13:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	42		15 - 110				08/19/25 13:32	08/20/25 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.2	0.68	ug/L		08/21/25 07:54	08/22/25 17:30	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:30	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Chlorophenol	ND		5.2	0.55	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Methylphenol	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Methylnaphthalene	0.66	J	5.2	0.63	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Nitroaniline	ND		10	0.44	ug/L		08/21/25 07:54	08/22/25 17:30	1
2-Nitrophenol	ND		5.2	0.50	ug/L		08/21/25 07:54	08/22/25 17:30	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:30	1
3-Nitroaniline	ND		10	0.50	ug/L		08/21/25 07:54	08/22/25 17:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Chloroaniline	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Methylphenol	ND		10	0.38	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Nitroaniline	ND		10	0.26	ug/L		08/21/25 07:54	08/22/25 17:30	1
4-Nitrophenol	ND		10	1.6	ug/L		08/21/25 07:54	08/22/25 17:30	1
Acenaphthene	ND		5.2	0.43	ug/L		08/21/25 07:54	08/22/25 17:30	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/21/25 07:54	08/22/25 17:30	1
Acetophenone	ND		5.2	0.56	ug/L		08/21/25 07:54	08/22/25 17:30	1
Anthracene	ND		5.2	0.29	ug/L		08/21/25 07:54	08/22/25 17:30	1
Atrazine	ND		5.2	0.48	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzaldehyde	ND		5.2	0.28	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:30	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/21/25 07:54	08/22/25 17:30	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:30	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:30	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		08/21/25 07:54	08/22/25 17:30	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		08/21/25 07:54	08/22/25 17:30	1
Caprolactam	ND	*	5.2	2.3	ug/L		08/21/25 07:54	08/22/25 17:30	1
Carbazole	ND		5.2	0.31	ug/L		08/21/25 07:54	08/22/25 17:30	1
Chrysene	ND		5.2	0.34	ug/L		08/21/25 07:54	08/22/25 17:30	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/21/25 07:54	08/22/25 17:30	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		08/21/25 07:54	08/22/25 17:30	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:30	1
Dibenzofuran	ND		10	0.53	ug/L		08/21/25 07:54	08/22/25 17:30	1
Diethyl phthalate	ND		5.2	0.23	ug/L		08/21/25 07:54	08/22/25 17:30	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:30	1
Fluoranthene	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:30	1
Fluorene	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:30	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:30	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		08/21/25 07:54	08/22/25 17:30	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:30	1
Hexachloroethane	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:30	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:30	1
Isophorone	ND		5.2	0.45	ug/L		08/21/25 07:54	08/22/25 17:30	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		08/21/25 07:54	08/22/25 17:30	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:30	1
Naphthalene	ND		5.2	0.79	ug/L		08/21/25 07:54	08/22/25 17:30	1
Nitrobenzene	ND		5.2	0.30	ug/L		08/21/25 07:54	08/22/25 17:30	1
Pentachlorophenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:30	1
Phenanthrene	ND		5.2	0.46	ug/L		08/21/25 07:54	08/22/25 17:30	1
Phenol	ND		5.2	0.41	ug/L		08/21/25 07:54	08/22/25 17:30	1
Pyrene	ND		5.2	0.35	ug/L		08/21/25 07:54	08/22/25 17:30	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.6	T J	ug/L		3.39	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	2.8	T J	ug/L		4.45	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	6.3	T J	ug/L		4.70	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	32	T J	ug/L		4.92	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	7.0	T J	ug/L		4.97	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	2.7	T J	ug/L		5.33	N/A	08/21/25 07:54	08/22/25 17:30	1
Benzene, 1,2-dimethyl-	4.1	T J N	ug/L		5.44	95-47-6	08/21/25 07:54	08/22/25 17:30	1
Unknown	16	T J	ug/L		5.47	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	7.3	T J	ug/L		5.62	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	4.6	T J	ug/L		5.63	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	2.2	T J	ug/L		5.74	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	5.4	T J	ug/L		5.84	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	4.4	T J	ug/L		5.87	N/A	08/21/25 07:54	08/22/25 17:30	1
Unknown	4.4	T J	ug/L		5.98	N/A	08/21/25 07:54	08/22/25 17:30	1
Benzene, 1,2,3-trimethyl-	6.2	T J N	ug/L		6.25	526-73-8	08/21/25 07:54	08/22/25 17:30	1
Benzene, 1,3,5-trimethyl-	3.2	T J N	ug/L		6.47	108-67-8	08/21/25 07:54	08/22/25 17:30	1
Unknown	2.4	T J	ug/L		6.65	N/A	08/21/25 07:54	08/22/25 17:30	1
Heptanoic acid	8.7	T J N	ug/L		6.69	111-14-8	08/21/25 07:54	08/22/25 17:30	1
Benzoic Acid	150	T J N	ug/L		7.44	65-85-0	08/21/25 07:54	08/22/25 17:30	1
Nonanoic acid	3.0	T J N	ug/L		7.86	112-05-0	08/21/25 07:54	08/22/25 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	96		29 - 129				08/21/25 07:54	08/22/25 17:30	1
Phenol-d5 (Surr)	49		10 - 120				08/21/25 07:54	08/22/25 17:30	1
p-Terphenyl-d14 (Surr)	104		33 - 132				08/21/25 07:54	08/22/25 17:30	1
2,4,6-Tribromophenol (Surr)	116		25 - 144				08/21/25 07:54	08/22/25 17:30	1
2-Fluorobiphenyl (Surr)	107		53 - 126				08/21/25 07:54	08/22/25 17:30	1
2-Fluorophenol (Surr)	71		24 - 120				08/21/25 07:54	08/22/25 17:30	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/20/25 08:47	08/21/25 15:24	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:24	1
4,4'-DDT	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:24	1
Aldrin	ND		0.050	0.0081	ug/L		08/20/25 08:47	08/21/25 15:24	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/20/25 08:47	08/21/25 15:24	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/20/25 08:47	08/21/25 15:24	1
beta-BHC	ND		0.050	0.025	ug/L		08/20/25 08:47	08/21/25 15:24	1
delta-BHC	ND		0.050	0.010	ug/L		08/20/25 08:47	08/21/25 15:24	1
Dieldrin	ND		0.050	0.0098	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endosulfan I	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endosulfan II	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endrin	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:24	1
Endrin ketone	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:24	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/20/25 08:47	08/21/25 15:24	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:24	1
Heptachlor	ND		0.050	0.0085	ug/L		08/20/25 08:47	08/21/25 15:24	1
Heptachlor epoxide	0.0086	J	0.050	0.0074	ug/L		08/20/25 08:47	08/21/25 15:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:24	1
Toxaphene	ND		0.50	0.12	ug/L		08/20/25 08:47	08/21/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	184	S1+	10 - 120				08/20/25 08:47	08/21/25 15:24	1
DCB Decachlorobiphenyl	91		10 - 120				08/20/25 08:47	08/21/25 15:24	1
Tetrachloro-m-xylene	87		10 - 120				08/20/25 08:47	08/21/25 15:24	1
Tetrachloro-m-xylene	92		10 - 120				08/20/25 08:47	08/21/25 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1221	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1232	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1242	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1248	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1254	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 14:46	1
PCB-1260	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		10 - 145				08/20/25 08:52	08/21/25 14:46	1
Tetrachloro-m-xylene	89		10 - 145				08/20/25 08:52	08/21/25 14:46	1
DCB Decachlorobiphenyl	65		10 - 123				08/20/25 08:52	08/21/25 14:46	1
DCB Decachlorobiphenyl	63		10 - 123				08/20/25 08:52	08/21/25 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.4	0.92	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.50	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.67	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.76	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.67	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		08/22/25 12:04	08/22/25 23:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		08/22/25 12:04	08/22/25 23:11	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.4	0.84	ng/L		08/22/25 12:04	08/22/25 23:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	2.1	ng/L		08/22/25 12:04	08/22/25 23:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		08/22/25 12:04	08/22/25 23:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		08/22/25 12:04	08/22/25 23:11	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		08/22/25 12:04	08/22/25 23:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.3	ng/L		08/22/25 12:04	08/22/25 23:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		08/22/25 12:04	08/22/25 23:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	92.2		5 - 130	08/22/25 12:04	08/22/25 23:11	1
13C5-PFPeA	105		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C5-PFHxA	93.2		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C4-PFHpA	93.7		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C8-PFOA	88.3		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C9-PFNA	93.9		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C6-PFDA	86.6		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C7-PFUnA	79.1		30 - 130	08/22/25 12:04	08/22/25 23:11	1
13C2-PFTeDA	74.4		10 - 130	08/22/25 12:04	08/22/25 23:11	1
13C3-PFBS	97.0		40 - 135	08/22/25 12:04	08/22/25 23:11	1
13C3-PFHxS	95.0		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C8-PFOS	94.1		40 - 130	08/22/25 12:04	08/22/25 23:11	1
13C8-PFOSA	91.1		40 - 130	08/22/25 12:04	08/22/25 23:11	1
d3-NMeFOSAA	87.9		40 - 170	08/22/25 12:04	08/22/25 23:11	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90.8		25 - 135	08/22/25 12:04	08/22/25 23:11	1
13C2 4:2 FTS	138		40 - 200	08/22/25 12:04	08/22/25 23:11	1
13C2 6:2 FTS	120		40 - 200	08/22/25 12:04	08/22/25 23:11	1
13C2 8:2 FTS	105		40 - 300	08/22/25 12:04	08/22/25 23:11	1
13C3-HFPO-DA	85.0		40 - 130	08/22/25 12:04	08/22/25 23:11	1
D7-NMeFOSE	78.0		10 - 130	08/22/25 12:04	08/22/25 23:11	1
D9-NEtFOSE	65.4		10 - 130	08/22/25 12:04	08/22/25 23:11	1
d5-NEtPFOSA	80.7		10 - 130	08/22/25 12:04	08/22/25 23:11	1
d3-NMePFOSA	78.2		10 - 130	08/22/25 12:04	08/22/25 23:11	1
13C2 PFDoA	80.2		10 - 130	08/22/25 12:04	08/22/25 23:11	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.082	J	0.20	0.060	mg/L		08/20/25 08:10	08/20/25 14:06	1
Antimony	ND		0.020	0.0068	mg/L		08/20/25 08:10	08/20/25 14:06	1
Arsenic	ND		0.015	0.0056	mg/L		08/20/25 08:10	08/20/25 14:06	1
Barium	0.12		0.0020	0.00070	mg/L		08/20/25 08:10	08/20/25 14:06	1
Beryllium	ND		0.0020	0.00030	mg/L		08/20/25 08:10	08/20/25 14:06	1
Cadmium	ND		0.0020	0.00050	mg/L		08/20/25 08:10	08/20/25 14:06	1
Calcium	55.0		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:06	1
Chromium	ND		0.0040	0.0010	mg/L		08/20/25 08:10	08/20/25 14:06	1
Cobalt	0.00065	J	0.0040	0.00063	mg/L		08/20/25 08:10	08/20/25 14:06	1
Copper	0.0018	J	0.010	0.0016	mg/L		08/20/25 08:10	08/20/25 14:06	1
Iron	0.14		0.050	0.019	mg/L		08/20/25 08:10	08/20/25 14:06	1
Lead	ND		0.010	0.0030	mg/L		08/20/25 08:10	08/20/25 14:06	1
Magnesium	19.5		0.20	0.043	mg/L		08/20/25 08:10	08/20/25 14:06	1
Manganese	0.035		0.0030	0.00040	mg/L		08/20/25 08:10	08/20/25 14:06	1
Nickel	0.0013	J	0.010	0.0013	mg/L		08/20/25 08:10	08/20/25 14:06	1
Potassium	21.4		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:06	1
Selenium	ND		0.025	0.0087	mg/L		08/20/25 08:10	08/20/25 14:06	1
Silver	ND	^5-	0.0060	0.0017	mg/L		08/20/25 08:10	08/20/25 14:06	1
Sodium	34.1		1.0	0.32	mg/L		08/20/25 08:10	08/20/25 14:06	1
Thallium	ND		0.020	0.010	mg/L		08/20/25 08:10	08/20/25 14:06	1
Vanadium	0.0024	J	0.0050	0.0015	mg/L		08/20/25 08:10	08/20/25 14:06	1
Zinc	ND		0.010	0.0015	mg/L		08/20/25 08:10	08/20/25 14:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/20/25 07:49	08/20/25 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0080	J	0.010	0.0050	mg/L		08/25/25 13:30	08/25/25 16:02	1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/21/25 14:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/21/25 14:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/21/25 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/21/25 14:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/21/25 14:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/21/25 14:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/21/25 14:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/21/25 14:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/21/25 14:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/21/25 14:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/21/25 14:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/21/25 14:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/21/25 14:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/21/25 14:31	1
2-Hexanone	ND		5.0	1.2	ug/L			08/21/25 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/21/25 14:31	1
Acetone	ND		10	3.0	ug/L			08/21/25 14:31	1
Benzene	1.1		1.0	0.41	ug/L			08/21/25 14:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/21/25 14:31	1
Bromoform	ND		1.0	0.26	ug/L			08/21/25 14:31	1
Bromomethane	ND		1.0	0.69	ug/L			08/21/25 14:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/21/25 14:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/21/25 14:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/21/25 14:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/21/25 14:31	1
Chloroethane	ND		1.0	0.32	ug/L			08/21/25 14:31	1
Chloroform	ND		1.0	0.34	ug/L			08/21/25 14:31	1
Chloromethane	ND		1.0	0.35	ug/L			08/21/25 14:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/21/25 14:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/21/25 14:31	1
Cyclohexane	5.7		1.0	0.18	ug/L			08/21/25 14:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/21/25 14:31	1
Ethylbenzene	1.0		1.0	0.74	ug/L			08/21/25 14:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/21/25 14:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/21/25 14:31	1
Methyl acetate	ND		2.5	1.3	ug/L			08/21/25 14:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 14:31	1
Methylcyclohexane	6.2		1.0	0.16	ug/L			08/21/25 14:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/21/25 14:31	1
Styrene	ND		1.0	0.73	ug/L			08/21/25 14:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/21/25 14:31	1
Toluene	3.8		1.0	0.51	ug/L			08/21/25 14:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/21/25 14:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/21/25 14:31	1
Trichloroethene	ND		1.0	0.46	ug/L			08/21/25 14:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/21/25 14:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/21/25 14:31	1
Xylenes, Total	6.6		2.0	0.66	ug/L			08/21/25 14:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	5.9	T J N	ug/L		1.68	78-78-4		08/21/25 14:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentane	5.4	T J N	ug/L		1.88	109-66-0		08/21/25 14:31	1
Cyclopentane, methyl-	5.5	T J N	ug/L		3.65	96-37-7		08/21/25 14:31	1
m-Xylene & p-Xylene	4.4		ug/L		7.22	179601-23-1		08/21/25 14:31	1
o-Xylene	2.2		ug/L		7.55	95-47-6		08/21/25 14:31	1
Benzene, 1,2,3-trimethyl-	3.0	T J N	ug/L		8.63	526-73-8		08/21/25 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		08/21/25 14:31	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		08/21/25 14:31	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/21/25 14:31	1
Dibromofluoromethane (Surr)	110		75 - 123		08/21/25 14:31	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		08/19/25 13:32	08/20/25 13:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	40		15 - 110				08/19/25 13:32	08/20/25 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.2	0.68	ug/L		08/21/25 07:54	08/22/25 17:58	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:58	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Chlorophenol	ND		5.2	0.55	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Methylphenol	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Nitroaniline	ND		10	0.44	ug/L		08/21/25 07:54	08/22/25 17:58	1
2-Nitrophenol	ND		5.2	0.50	ug/L		08/21/25 07:54	08/22/25 17:58	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:58	1
3-Nitroaniline	ND		10	0.50	ug/L		08/21/25 07:54	08/22/25 17:58	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Chloroaniline	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Methylphenol	ND		10	0.38	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Nitroaniline	ND		10	0.26	ug/L		08/21/25 07:54	08/22/25 17:58	1
4-Nitrophenol	ND		10	1.6	ug/L		08/21/25 07:54	08/22/25 17:58	1
Acenaphthene	ND		5.2	0.43	ug/L		08/21/25 07:54	08/22/25 17:58	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/21/25 07:54	08/22/25 17:58	1
Acetophenone	ND		5.2	0.56	ug/L		08/21/25 07:54	08/22/25 17:58	1
Anthracene	ND		5.2	0.29	ug/L		08/21/25 07:54	08/22/25 17:58	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		5.2	0.48	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzaldehyde	ND		5.2	0.28	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:58	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/21/25 07:54	08/22/25 17:58	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		08/21/25 07:54	08/22/25 17:58	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:58	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		08/21/25 07:54	08/22/25 17:58	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		08/21/25 07:54	08/22/25 17:58	1
Caprolactam	ND	*	5.2	2.3	ug/L		08/21/25 07:54	08/22/25 17:58	1
Carbazole	ND		5.2	0.31	ug/L		08/21/25 07:54	08/22/25 17:58	1
Chrysene	ND		5.2	0.34	ug/L		08/21/25 07:54	08/22/25 17:58	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/21/25 07:54	08/22/25 17:58	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		08/21/25 07:54	08/22/25 17:58	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:58	1
Dibenzofuran	ND		10	0.53	ug/L		08/21/25 07:54	08/22/25 17:58	1
Diethyl phthalate	ND		5.2	0.23	ug/L		08/21/25 07:54	08/22/25 17:58	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:58	1
Fluoranthene	ND		5.2	0.42	ug/L		08/21/25 07:54	08/22/25 17:58	1
Fluorene	ND		5.2	0.38	ug/L		08/21/25 07:54	08/22/25 17:58	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:58	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		08/21/25 07:54	08/22/25 17:58	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:58	1
Hexachloroethane	ND		5.2	0.61	ug/L		08/21/25 07:54	08/22/25 17:58	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/21/25 07:54	08/22/25 17:58	1
Isophorone	ND		5.2	0.45	ug/L		08/21/25 07:54	08/22/25 17:58	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		08/21/25 07:54	08/22/25 17:58	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		08/21/25 07:54	08/22/25 17:58	1
Naphthalene	ND		5.2	0.79	ug/L		08/21/25 07:54	08/22/25 17:58	1
Nitrobenzene	ND		5.2	0.30	ug/L		08/21/25 07:54	08/22/25 17:58	1
Pentachlorophenol	ND		10	2.3	ug/L		08/21/25 07:54	08/22/25 17:58	1
Phenanthrene	ND		5.2	0.46	ug/L		08/21/25 07:54	08/22/25 17:58	1
Phenol	ND		5.2	0.41	ug/L		08/21/25 07:54	08/22/25 17:58	1
Pyrene	ND		5.2	0.35	ug/L		08/21/25 07:54	08/22/25 17:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.0	T J	ug/L		3.38	N/A	08/21/25 07:54	08/22/25 17:58	1
Toluene	2.6	T J N	ug/L		4.32	108-88-3	08/21/25 07:54	08/22/25 17:58	1
Unknown	2.1	T J	ug/L		4.44	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	5.4	T J	ug/L		4.70	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	31	T J	ug/L		4.92	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	6.2	T J	ug/L		4.96	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	2.3	T J	ug/L		5.33	N/A	08/21/25 07:54	08/22/25 17:58	1
p-Xylene	3.6	T J N	ug/L		5.44	106-42-3	08/21/25 07:54	08/22/25 17:58	1
Unknown	1.8	T J	ug/L		5.47	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	7.1	T J	ug/L		5.62	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	3.7	T J	ug/L		5.63	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	2.2	T J	ug/L		5.74	N/A	08/21/25 07:54	08/22/25 17:58	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	5.5	T J	ug/L		5.84	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	4.1	T J	ug/L		5.87	N/A	08/21/25 07:54	08/22/25 17:58	1
Unknown	1.9	T J	ug/L		5.98	N/A	08/21/25 07:54	08/22/25 17:58	1
Benzene, 1,2,4-trimethyl-	4.4	T J N	ug/L		6.25	95-63-6	08/21/25 07:54	08/22/25 17:58	1
Benzene, 1,3,5-trimethyl-	2.1	T J N	ug/L		6.47	108-67-8	08/21/25 07:54	08/22/25 17:58	1
Benzoic Acid	3.1	T J N	ug/L		7.32	65-85-0	08/21/25 07:54	08/22/25 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		29 - 129	08/21/25 07:54	08/22/25 17:58	1
Phenol-d5 (Surr)	42		10 - 120	08/21/25 07:54	08/22/25 17:58	1
p-Terphenyl-d14 (Surr)	107		33 - 132	08/21/25 07:54	08/22/25 17:58	1
2,4,6-Tribromophenol (Surr)	99		25 - 144	08/21/25 07:54	08/22/25 17:58	1
2-Fluorobiphenyl (Surr)	100		53 - 126	08/21/25 07:54	08/22/25 17:58	1
2-Fluorophenol (Surr)	59		24 - 120	08/21/25 07:54	08/22/25 17:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/20/25 08:47	08/21/25 15:43	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:43	1
4,4'-DDT	0.043	J B	0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:43	1
Aldrin	ND		0.050	0.0081	ug/L		08/20/25 08:47	08/21/25 15:43	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/20/25 08:47	08/21/25 15:43	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/20/25 08:47	08/21/25 15:43	1
beta-BHC	ND		0.050	0.025	ug/L		08/20/25 08:47	08/21/25 15:43	1
delta-BHC	ND		0.050	0.010	ug/L		08/20/25 08:47	08/21/25 15:43	1
Dieldrin	ND		0.050	0.0098	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endosulfan I	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endosulfan II	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endrin	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 15:43	1
Endrin ketone	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 15:43	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/20/25 08:47	08/21/25 15:43	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 15:43	1
Heptachlor	ND		0.050	0.0085	ug/L		08/20/25 08:47	08/21/25 15:43	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/20/25 08:47	08/21/25 15:43	1
Methoxychlor	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 15:43	1
Toxaphene	ND		0.50	0.12	ug/L		08/20/25 08:47	08/21/25 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	200	S1+	10 - 120	08/20/25 08:47	08/21/25 15:43	1
DCB Decachlorobiphenyl	88		10 - 120	08/20/25 08:47	08/21/25 15:43	1
Tetrachloro-m-xylene	84		10 - 120	08/20/25 08:47	08/21/25 15:43	1
Tetrachloro-m-xylene	88		10 - 120	08/20/25 08:47	08/21/25 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 15:41	1
PCB-1221	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 15:41	1
PCB-1232	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 15:41	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 15:41	1
PCB-1248	ND		0.52	0.18	ug/L		08/20/25 08:52	08/21/25 15:41	1
PCB-1254	ND		0.52	0.26	ug/L		08/20/25 08:52	08/21/25 15:41	1
PCB-1260	ND		0.52	0.26	ug/L		08/20/25 08:52	08/21/25 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		10 - 145				08/20/25 08:52	08/21/25 15:41	1
Tetrachloro-m-xylene	84		10 - 145				08/20/25 08:52	08/21/25 15:41	1
DCB Decachlorobiphenyl	62		10 - 123				08/20/25 08:52	08/21/25 15:41	1
DCB Decachlorobiphenyl	61		10 - 123				08/20/25 08:52	08/21/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.6	J	3.3	0.92	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoropentanoic acid (PFPeA)	0.94	J	1.7	0.50	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.67	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.75	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.67	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		08/22/25 12:04	08/22/25 23:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.83	ng/L		08/22/25 12:04	08/22/25 23:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.83	ng/L		08/22/25 12:04	08/22/25 23:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.83	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.3	2.1	ng/L		08/22/25 12:04	08/22/25 23:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.3	3.3	ng/L		08/22/25 12:04	08/22/25 23:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		08/22/25 12:04	08/22/25 23:24	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		08/22/25 12:04	08/22/25 23:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.83	ng/L		08/22/25 12:04	08/22/25 23:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.3	2.3	ng/L		08/22/25 12:04	08/22/25 23:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.3	2.1	ng/L		08/22/25 12:04	08/22/25 23:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	111		5 - 130	08/22/25 12:04	08/22/25 23:24	1
13C5-PFPeA	114		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C5-PFHxA	109		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C4-PFHpA	113		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C8-PFOA	117		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C9-PFNA	112		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C6-PFDA	104		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C7-PFUnA	93.3		30 - 130	08/22/25 12:04	08/22/25 23:24	1
13C2-PFTeDA	94.2		10 - 130	08/22/25 12:04	08/22/25 23:24	1
13C3-PFBS	117		40 - 135	08/22/25 12:04	08/22/25 23:24	1
13C3-PFHxS	116		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C8-PFOS	116		40 - 130	08/22/25 12:04	08/22/25 23:24	1
13C8-PFOSA	102		40 - 130	08/22/25 12:04	08/22/25 23:24	1
d3-NMeFOSAA	98.4		40 - 170	08/22/25 12:04	08/22/25 23:24	1
d5-NEtFOSAA	99.5		25 - 135	08/22/25 12:04	08/22/25 23:24	1
13C2 4:2 FTS	136		40 - 200	08/22/25 12:04	08/22/25 23:24	1
13C2 6:2 FTS	123		40 - 200	08/22/25 12:04	08/22/25 23:24	1
13C2 8:2 FTS	119		40 - 300	08/22/25 12:04	08/22/25 23:24	1
13C3-HFPO-DA	101		40 - 130	08/22/25 12:04	08/22/25 23:24	1
D7-NMeFOSE	94.3		10 - 130	08/22/25 12:04	08/22/25 23:24	1
D9-NEtFOSE	80.7		10 - 130	08/22/25 12:04	08/22/25 23:24	1
d5-NEtPFOSA	92.3		10 - 130	08/22/25 12:04	08/22/25 23:24	1
d3-NMePFOSA	91.8		10 - 130	08/22/25 12:04	08/22/25 23:24	1
13C2 PFDaA	98.5		10 - 130	08/22/25 12:04	08/22/25 23:24	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.31		0.20	0.060	mg/L		08/20/25 08:10	08/20/25 14:08	1
Antimony	ND		0.020	0.0068	mg/L		08/20/25 08:10	08/20/25 14:08	1
Arsenic	ND		0.015	0.0056	mg/L		08/20/25 08:10	08/20/25 14:08	1
Barium	0.57		0.0020	0.00070	mg/L		08/20/25 08:10	08/20/25 14:08	1
Beryllium	ND		0.0020	0.00030	mg/L		08/20/25 08:10	08/20/25 14:08	1
Cadmium	ND		0.0020	0.00050	mg/L		08/20/25 08:10	08/20/25 14:08	1
Calcium	115		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:08	1
Chromium	ND		0.0040	0.0010	mg/L		08/20/25 08:10	08/20/25 14:08	1
Cobalt	ND		0.0040	0.00063	mg/L		08/20/25 08:10	08/20/25 14:08	1
Copper	0.0017	J	0.010	0.0016	mg/L		08/20/25 08:10	08/20/25 14:08	1
Iron	0.33		0.050	0.019	mg/L		08/20/25 08:10	08/20/25 14:08	1
Lead	ND		0.010	0.0030	mg/L		08/20/25 08:10	08/20/25 14:08	1
Magnesium	30.5		0.20	0.043	mg/L		08/20/25 08:10	08/20/25 14:08	1
Manganese	0.28		0.0030	0.00040	mg/L		08/20/25 08:10	08/20/25 14:08	1
Nickel	0.0017	J	0.010	0.0013	mg/L		08/20/25 08:10	08/20/25 14:08	1
Potassium	4.1		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 14:08	1
Selenium	0.0094	J	0.025	0.0087	mg/L		08/20/25 08:10	08/20/25 14:08	1
Silver	ND	^5-	0.0060	0.0017	mg/L		08/20/25 08:10	08/20/25 14:08	1
Sodium	73.7		1.0	0.32	mg/L		08/20/25 08:10	08/20/25 14:08	1
Thallium	ND		0.020	0.010	mg/L		08/20/25 08:10	08/20/25 14:08	1
Vanadium	ND		0.0050	0.0015	mg/L		08/20/25 08:10	08/20/25 14:08	1
Zinc	ND		0.010	0.0015	mg/L		08/20/25 08:10	08/20/25 14:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/20/25 07:49	08/20/25 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0060	J	0.010	0.0050	mg/L		08/25/25 13:30	08/25/25 16:04	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-231923-1	RI-MW-2	101	107	95	112
480-231923-1 MS	RI-MW-2 MS	105	100	93	103
480-231923-1 MSD	RI-MW-2 MSD	104	100	96	103
480-231923-2	RI-BW-1	102	108	95	111
480-231923-3	RI-BW-2	103	107	93	110
480-231923-4	RI-BW-3	102	111	94	110
LCS 480-754841/6	Lab Control Sample	102	98	93	102
LCS 480-754947/6	Lab Control Sample	105	100	93	104
MB 480-754841/8	Method Blank	100	103	98	104
MB 480-754947/8	Method Blank	103	105	95	106

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (29-129)	PHL (10-120)	TPHd14 (33-132)	TBP (25-144)	FBP (53-126)	2FP (24-120)
480-231923-1	RI-MW-2	93	46	88	102	110	67
480-231923-1 MS	RI-MW-2 MS	96	51	82	107	99	69
480-231923-1 MSD	RI-MW-2 MSD	95	51	79	101	101	67
480-231923-2	RI-BW-1	89	41	94	95	100	61
480-231923-3	RI-BW-2	96	49	104	116	107	71
480-231923-4	RI-BW-3	87	42	107	99	100	59
LCS 480-754931/2-A	Lab Control Sample	93	51	104	102	96	69
MB 480-754931/1-A	Method Blank	79	39	99	75	86	59

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (10-120)	DCBP2 (10-120)	TCX1 (10-120)	TCX2 (10-120)
480-231923-1	RI-MW-2	136 S1+	89	90	99
480-231923-1 MS	RI-MW-2 MS	125 S1+	89	88	89
480-231923-1 MSD	RI-MW-2 MSD	117	76	82	88
480-231923-2	RI-BW-1	222 S1+	72	86	90
480-231923-3	RI-BW-2	184 S1+	91	87	92

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Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-231923-1

Project/Site: 2nd & Washington Street

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (10-120)	DCBP2 (10-120)	TCX1 (10-120)	TCX2 (10-120)
480-231923-4	RI-BW-3	200 S1+	88	84	88
LCS 480-754826/2-A	Lab Control Sample	77	86	94	93
MB 480-754826/1-A	Method Blank	111	115	98	96
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (10-145)	TCX2 (10-145)	DCBP1 (10-123)	DCBP2 (10-123)
480-231923-1	RI-MW-2	92	84	68	64
480-231923-1 MS	RI-MW-2 MS	92	90	56	53
480-231923-1 MSD	RI-MW-2 MSD	94	87	52	49
480-231923-2	RI-BW-1	91	85	51	45
480-231923-3	RI-BW-2	96	89	65	63
480-231923-4	RI-BW-3	88	84	62	61
LCS 480-754827/2-A	Lab Control Sample	86	83	77	73
MB 480-754827/1-A	Method Blank	76	75	80	78
Surrogate Legend					
TCX = Tetrachloro-m-xylene					
DCBP = DCB Decachlorobiphenyl					

Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DXE (15-110)							
480-231923-1	RI-MW-2	43							
480-231923-1 MS	RI-MW-2 MS	42							
480-231923-1 MSD	RI-MW-2 MSD	42							
480-231923-2	RI-BW-1	40							
480-231923-3	RI-BW-2	42							
480-231923-4	RI-BW-3	40							
LCS 480-754752/2-A	Lab Control Sample	41							
MB 480-754752/1-A	Method Blank	39							
Surrogate Legend									
DXE = 1,4-Dioxane-d8									

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
480-231923-1	RI-MW-2	109	105	95.9	107	105	115	95.5	77.8
480-231923-1 MS	RI-MW-2 MS	111	107	102	106	104	108	102	88.1
480-231923-1 MSD	RI-MW-2 MSD	114	111	103	106	116	122	105	84.8
480-231923-2	RI-BW-1	101	116	105	101	106	105	97.2	88.6
480-231923-3	RI-BW-2	92.2	105	93.2	93.7	88.3	93.9	86.6	79.1
480-231923-4	RI-BW-3	111	114	109	113	117	112	104	93.3
LCS 410-689302/2-A	Lab Control Sample	103	104	97.4	105	101	101	93.5	85.7
LLCS 410-689302/3-A	Lab Control Sample	105	109	103	102	106	103	100	89.4
MB 410-689302/1-A	Method Blank	73.4	79.1	71.4	76.6	76.8	76.3	74.3	66.2
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
480-231923-1	RI-MW-2	71.2	112	113	109	105	97.5	97.8	185
480-231923-1 MS	RI-MW-2 MS	74.9	119	116	120	111	103	101	187
480-231923-1 MSD	RI-MW-2 MSD	90.9	113	117	124	116	110	114	195
480-231923-2	RI-BW-1	81.2	101	107	104	96.1	87.5	86.9	128
480-231923-3	RI-BW-2	74.4	97.0	95.0	94.1	91.1	87.9	90.8	138
480-231923-4	RI-BW-3	94.2	117	116	116	102	98.4	99.5	136
LCS 410-689302/2-A	Lab Control Sample	59.3	106	103	92.4	82.2	81.2	83.0	104
LLCS 410-689302/3-A	Lab Control Sample	79.0	115	104	99.3	89.7	88.6	88.7	117
MB 410-689302/1-A	Method Blank	55.4	77.6	80.0	72.4	67.2	64.2	62.2	87.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
480-231923-1	RI-MW-2	170	143	91.3	62.9	51.0	87.6	90.1	81.1
480-231923-1 MS	RI-MW-2 MS	162	138	95.8	68.0	53.2	90.9	95.4	84.7
480-231923-1 MSD	RI-MW-2 MSD	166	147	99.6	104	85.3	102	104	96.4
480-231923-2	RI-BW-1	121	112	98.6	82.6	64.5	82.4	80.7	86.7
480-231923-3	RI-BW-2	120	105	85.0	78.0	65.4	80.7	78.2	80.2
480-231923-4	RI-BW-3	123	119	101	94.3	80.7	92.3	91.8	98.5
LCS 410-689302/2-A	Lab Control Sample	113	105	96.9	55.2	37.0	73.0	72.0	81.5
LLCS 410-689302/3-A	Lab Control Sample	131	118	98.6	73.1	59.2	81.4	76.9	93.5

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Isotope Dilution Summary

Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-231923-1

Project/Site: 2nd & Washington Street

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
MB 410-689302/1-A	Method Blank	92.1	85.1	75.9	49.1	39.4	54.9	57.8	65.2
Surrogate Legend									
PFBA = 13C4-PFBA									
PFPeA = 13C5-PFPeA									
13C5PHA = 13C5-PFHxA									
C4PFHA = 13C4-PFHpA									
C8PFOA = 13C8-PFOA									
C9PFNA = 13C9-PFNA									
C6PFDA = 13C6-PFDA									
13C7PUA = 13C7-PFUnA									
PFTDA = 13C2-PFTeDA									
C3PFBS = 13C3-PFBS									
C3PFHS = 13C3-PFHxS									
C8PFOS = 13C8-PFOS									
PFOSA = 13C8-PFOSA									
d3NMFOS = d3-NMeFOSAA									
d5NEFOS = d5-NEtFOSAA									
M242FTS = 13C2 4:2 FTS									
M262FTS = 13C2 6:2 FTS									
M282FTS = 13C2 8:2 FTS									
HFPODA = 13C3-HFPO-DA									
NMFM = D7-NMeFOSE									
NEFM = D9-NEtFOSE									
d5NPFSA = d5-NEtPFOSA									
d3NMFSA = d3-NMePFOSA									
PFDaA = 13C2 PFDaA									

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754841/8

Matrix: Water

Analysis Batch: 754841

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/20/25 12:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/20/25 12:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/20/25 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/20/25 12:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/20/25 12:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/20/25 12:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/20/25 12:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/20/25 12:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/20/25 12:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/20/25 12:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/20/25 12:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/20/25 12:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/20/25 12:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/20/25 12:01	1
2-Hexanone	ND		5.0	1.2	ug/L			08/20/25 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/20/25 12:01	1
Acetone	ND		10	3.0	ug/L			08/20/25 12:01	1
Benzene	ND		1.0	0.41	ug/L			08/20/25 12:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/20/25 12:01	1
Bromoform	ND		1.0	0.26	ug/L			08/20/25 12:01	1
Bromomethane	ND		1.0	0.69	ug/L			08/20/25 12:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/20/25 12:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/20/25 12:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/20/25 12:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/20/25 12:01	1
Chloroethane	ND		1.0	0.32	ug/L			08/20/25 12:01	1
Chloroform	ND		1.0	0.34	ug/L			08/20/25 12:01	1
Chloromethane	ND		1.0	0.35	ug/L			08/20/25 12:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/20/25 12:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/20/25 12:01	1
Cyclohexane	ND		1.0	0.18	ug/L			08/20/25 12:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/20/25 12:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/20/25 12:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/20/25 12:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/20/25 12:01	1
Methyl acetate	ND		2.5	1.3	ug/L			08/20/25 12:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/20/25 12:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/20/25 12:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/20/25 12:01	1
Styrene	ND		1.0	0.73	ug/L			08/20/25 12:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/20/25 12:01	1
Toluene	ND		1.0	0.51	ug/L			08/20/25 12:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/20/25 12:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/20/25 12:01	1
Trichloroethene	ND		1.0	0.46	ug/L			08/20/25 12:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/20/25 12:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/20/25 12:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/20/25 12:01	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754841/8

Matrix: Water

Analysis Batch: 754841

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		08/20/25 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					08/20/25 12:01	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120					08/20/25 12:01	1
4-Bromofluorobenzene (Surr)	98		73 - 120					08/20/25 12:01	1
Dibromofluoromethane (Surr)	104		75 - 123					08/20/25 12:01	1

Lab Sample ID: LCS 480-754841/6

Matrix: Water

Analysis Batch: 754841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.2		ug/L		109	61 - 148
1,1-Dichloroethane	25.0	24.6		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	108		ug/L		87	57 - 140
2-Hexanone	125	97.9		ug/L		78	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	109		ug/L		88	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		94	80 - 122
Bromoform	25.0	22.6		ug/L		90	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	25.8		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Chloroethane	25.0	26.6		ug/L		106	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	20.9		ug/L		84	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
1,2-Dibromoethane	25.0	23.2		ug/L		93	77 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 480-754841/6

Matrix: Water

Analysis Batch: 754841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	43.5		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	24.6		ug/L		99	77 - 120
Methylcyclohexane	25.0	25.4		ug/L		101	68 - 134
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		101	62 - 150
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754841

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	28.1		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		25.0	24.9		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	28.3		ug/L		113	61 - 148
1,1-Dichloroethane	ND		25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	23.9		ug/L		96	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	ND		25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	ND		25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.4		ug/L		98	78 - 124
2-Butanone (MEK)	ND		125	103		ug/L		83	57 - 140
2-Hexanone	ND		125	102		ug/L		82	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	117		ug/L		94	71 - 125
Acetone	ND		125	93.0		ug/L		74	56 - 142
Benzene	ND		25.0	26.3		ug/L		105	71 - 124
Bromodichloromethane	ND		25.0	24.9		ug/L		100	80 - 122
Bromoform	ND		25.0	22.2		ug/L		89	61 - 132
Bromomethane	ND		25.0	26.5		ug/L		106	55 - 144
Carbon disulfide	ND		25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	ND		25.0	28.8		ug/L		115	72 - 134

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754841

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	ND		25.0	24.8		ug/L		99	75 - 125
Chloroethane	ND		25.0	31.3		ug/L		125	69 - 136
Chloroform	ND		25.0	25.6		ug/L		102	73 - 127
Chloromethane	ND		25.0	27.3		ug/L		109	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.9		ug/L		96	74 - 124
Cyclohexane	ND		25.0	28.0		ug/L		112	59 - 135
Dichlorodifluoromethane	ND		25.0	22.1		ug/L		89	59 - 135
Ethylbenzene	ND		25.0	26.6		ug/L		107	77 - 123
1,2-Dibromoethane	ND		25.0	24.3		ug/L		97	77 - 120
Isopropylbenzene	ND		25.0	26.2		ug/L		105	77 - 122
Methyl acetate	ND		50.0	43.0		ug/L		86	74 - 133
Methyl tert-butyl ether	ND		25.0	24.9		ug/L		99	77 - 120
Methylcyclohexane	ND		25.0	26.0		ug/L		104	68 - 134
Methylene Chloride	ND		25.0	27.2		ug/L		109	75 - 124
Styrene	ND		25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	ND		25.0	27.6		ug/L		110	74 - 122
Toluene	ND		25.0	27.0		ug/L		108	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.2		ug/L		101	80 - 120
Trichloroethene	ND		25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	ND		25.0	28.1		ug/L		112	62 - 150
Vinyl chloride	ND		25.0	30.7		ug/L		123	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	105		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754841

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	26.4		ug/L		106	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		25.0	21.7		ug/L		87	76 - 120	11	15
1,1,2-Trichloroethane	ND		25.0	23.2		ug/L		93	76 - 122	7	15
1,1,2-Trichloro-1,1,2,2-trifluoroethane	ND		25.0	25.3		ug/L		101	61 - 148	11	20
1,1-Dichloroethane	ND		25.0	24.4		ug/L		98	77 - 120	9	20
1,1-Dichloroethene	ND		25.0	26.1		ug/L		104	66 - 127	10	16
1,2,4-Trichlorobenzene	ND		25.0	22.1		ug/L		88	79 - 122	9	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.8		ug/L		87	56 - 134	9	15
1,2-Dichlorobenzene	ND		25.0	23.3		ug/L		93	80 - 124	8	20
1,2-Dichloroethane	ND		25.0	22.8		ug/L		91	75 - 120	7	20
1,2-Dichloropropane	ND		25.0	23.5		ug/L		94	76 - 120	6	20
1,3-Dichlorobenzene	ND		25.0	23.3		ug/L		93	77 - 120	8	20

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754841

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		25.0	22.5		ug/L		90	78 - 124	8	20
2-Butanone (MEK)	ND		125	97.5		ug/L		78	57 - 140	6	20
2-Hexanone	ND		125	97.6		ug/L		78	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	110		ug/L		88	71 - 125	6	35
Acetone	ND		125	85.6		ug/L		69	56 - 142	8	15
Benzene	ND		25.0	24.8		ug/L		99	71 - 124	6	13
Bromodichloromethane	ND		25.0	23.3		ug/L		93	80 - 122	7	15
Bromoform	ND		25.0	21.4		ug/L		86	61 - 132	3	15
Bromomethane	ND		25.0	23.8		ug/L		95	55 - 144	11	15
Carbon disulfide	ND		25.0	24.7		ug/L		99	59 - 134	9	15
Carbon tetrachloride	ND		25.0	27.0		ug/L		108	72 - 134	7	15
Chlorobenzene	ND		25.0	23.6		ug/L		95	80 - 120	8	25
Dibromochloromethane	ND		25.0	23.8		ug/L		95	75 - 125	4	15
Chloroethane	ND		25.0	27.5		ug/L		110	69 - 136	13	15
Chloroform	ND		25.0	23.7		ug/L		95	73 - 127	8	20
Chloromethane	ND		25.0	25.3		ug/L		101	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	24.8		ug/L		99	74 - 124	8	15
cis-1,3-Dichloropropene	ND		25.0	22.3		ug/L		89	74 - 124	7	15
Cyclohexane	ND		25.0	26.2		ug/L		105	59 - 135	7	20
Dichlorodifluoromethane	ND		25.0	20.2		ug/L		81	59 - 135	9	20
Ethylbenzene	ND		25.0	24.6		ug/L		98	77 - 123	8	15
1,2-Dibromoethane	ND		25.0	23.2		ug/L		93	77 - 120	4	15
Isopropylbenzene	ND		25.0	23.2		ug/L		93	77 - 122	12	20
Methyl acetate	ND		50.0	39.5		ug/L		79	74 - 133	8	20
Methyl tert-butyl ether	ND		25.0	23.0		ug/L		92	77 - 120	8	37
Methylcyclohexane	ND		25.0	23.2		ug/L		93	68 - 134	11	20
Methylene Chloride	ND		25.0	24.8		ug/L		99	75 - 124	9	15
Styrene	ND		25.0	24.4		ug/L		97	80 - 120	7	20
Tetrachloroethene	ND		25.0	25.6		ug/L		102	74 - 122	7	20
Toluene	ND		25.0	24.7		ug/L		99	80 - 122	9	15
trans-1,2-Dichloroethene	ND		25.0	25.7		ug/L		103	73 - 127	10	20
trans-1,3-Dichloropropene	ND		25.0	23.7		ug/L		95	80 - 120	6	15
Trichloroethene	ND		25.0	24.6		ug/L		98	74 - 123	6	16
Trichlorofluoromethane	ND		25.0	24.8		ug/L		99	62 - 150	12	20
Vinyl chloride	ND		25.0	28.8		ug/L		115	65 - 133	7	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	104		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-754947/8

Matrix: Water

Analysis Batch: 754947

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/21/25 12:08	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754947/8

Matrix: Water

Analysis Batch: 754947

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/21/25 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/21/25 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/21/25 12:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/21/25 12:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/21/25 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/21/25 12:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/21/25 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/21/25 12:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/21/25 12:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/21/25 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/21/25 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/21/25 12:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/21/25 12:08	1
2-Hexanone	ND		5.0	1.2	ug/L			08/21/25 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/21/25 12:08	1
Acetone	ND		10	3.0	ug/L			08/21/25 12:08	1
Benzene	ND		1.0	0.41	ug/L			08/21/25 12:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/21/25 12:08	1
Bromoform	ND		1.0	0.26	ug/L			08/21/25 12:08	1
Bromomethane	ND		1.0	0.69	ug/L			08/21/25 12:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/21/25 12:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/21/25 12:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/21/25 12:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/21/25 12:08	1
Chloroethane	ND		1.0	0.32	ug/L			08/21/25 12:08	1
Chloroform	ND		1.0	0.34	ug/L			08/21/25 12:08	1
Chloromethane	ND		1.0	0.35	ug/L			08/21/25 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/21/25 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/21/25 12:08	1
Cyclohexane	ND		1.0	0.18	ug/L			08/21/25 12:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/21/25 12:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/21/25 12:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/21/25 12:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/21/25 12:08	1
Methyl acetate	ND		2.5	1.3	ug/L			08/21/25 12:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 12:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/21/25 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/21/25 12:08	1
Styrene	ND		1.0	0.73	ug/L			08/21/25 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/21/25 12:08	1
Toluene	ND		1.0	0.51	ug/L			08/21/25 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/21/25 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/21/25 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			08/21/25 12:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/21/25 12:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/21/25 12:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/21/25 12:08	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754947/8

Matrix: Water

Analysis Batch: 754947

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		08/21/25 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120					08/21/25 12:08	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					08/21/25 12:08	1
4-Bromofluorobenzene (Surr)	95		73 - 120					08/21/25 12:08	1
Dibromofluoromethane (Surr)	106		75 - 123					08/21/25 12:08	1

Lab Sample ID: LCS 480-754947/6

Matrix: Water

Analysis Batch: 754947

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		105	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	56 - 134
1,2-Dichlorobenzene	25.0	23.9		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	22.7		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.4		ug/L		89	80 - 120
2-Butanone (MEK)	125	107		ug/L		86	57 - 140
2-Hexanone	125	95.9		ug/L		77	65 - 127
4-Methyl-2-pentanone (MIBK)	125	113		ug/L		91	71 - 125
Acetone	125	108		ug/L		87	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	23.1		ug/L		93	80 - 122
Bromoform	25.0	22.5		ug/L		90	61 - 132
Bromomethane	25.0	23.8		ug/L		95	55 - 144
Carbon disulfide	25.0	24.9		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Dibromochloromethane	25.0	24.4		ug/L		98	75 - 125
Chloroethane	25.0	26.9		ug/L		108	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	22.8		ug/L		91	74 - 124
Cyclohexane	25.0	25.9		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	18.5		ug/L		74	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	22.5		ug/L		90	77 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 480-754947/6

Matrix: Water

Analysis Batch: 754947

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	25.0	25.0		ug/L		100	77 - 122
Methyl acetate	50.0	46.4		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.4		ug/L		97	68 - 134
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	24.3		ug/L		97	62 - 150
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

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

Lab Sample ID: MB 480-754931/1-A

Matrix: Water

Analysis Batch: 755049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		08/21/25 07:54	08/22/25 14:16	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 14:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Nitroaniline	ND		10	0.42	ug/L		08/21/25 07:54	08/22/25 14:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/21/25 07:54	08/22/25 14:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 14:16	1
3-Nitroaniline	ND		10	0.48	ug/L		08/21/25 07:54	08/22/25 14:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 14:16	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754931/1-A

Matrix: Water

Analysis Batch: 755049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		10	0.36	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Nitroaniline	ND		10	0.25	ug/L		08/21/25 07:54	08/22/25 14:16	1
4-Nitrophenol	ND		10	1.5	ug/L		08/21/25 07:54	08/22/25 14:16	1
Acenaphthene	ND		5.0	0.41	ug/L		08/21/25 07:54	08/22/25 14:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/21/25 07:54	08/22/25 14:16	1
Acetophenone	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 14:16	1
Anthracene	ND		5.0	0.28	ug/L		08/21/25 07:54	08/22/25 14:16	1
Atrazine	ND		5.0	0.46	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 14:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/21/25 07:54	08/22/25 14:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/21/25 07:54	08/22/25 14:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 14:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/21/25 07:54	08/22/25 14:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/21/25 07:54	08/22/25 14:16	1
Caprolactam	ND		5.0	2.2	ug/L		08/21/25 07:54	08/22/25 14:16	1
Carbazole	ND		5.0	0.30	ug/L		08/21/25 07:54	08/22/25 14:16	1
Chrysene	ND		5.0	0.33	ug/L		08/21/25 07:54	08/22/25 14:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/21/25 07:54	08/22/25 14:16	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/21/25 07:54	08/22/25 14:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 14:16	1
Dibenzofuran	ND		10	0.51	ug/L		08/21/25 07:54	08/22/25 14:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/21/25 07:54	08/22/25 14:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 14:16	1
Fluoranthene	ND		5.0	0.40	ug/L		08/21/25 07:54	08/22/25 14:16	1
Fluorene	ND		5.0	0.36	ug/L		08/21/25 07:54	08/22/25 14:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 14:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/21/25 07:54	08/22/25 14:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 14:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/21/25 07:54	08/22/25 14:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/21/25 07:54	08/22/25 14:16	1
Isophorone	ND		5.0	0.43	ug/L		08/21/25 07:54	08/22/25 14:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/21/25 07:54	08/22/25 14:16	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/21/25 07:54	08/22/25 14:16	1
Naphthalene	ND		5.0	0.76	ug/L		08/21/25 07:54	08/22/25 14:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/21/25 07:54	08/22/25 14:16	1
Pentachlorophenol	ND		10	2.2	ug/L		08/21/25 07:54	08/22/25 14:16	1
Phenanthrene	ND		5.0	0.44	ug/L		08/21/25 07:54	08/22/25 14:16	1
Phenol	ND		5.0	0.39	ug/L		08/21/25 07:54	08/22/25 14:16	1
Pyrene	ND		5.0	0.34	ug/L		08/21/25 07:54	08/22/25 14:16	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.78	T J	ug/L		3.38	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	1.96	T J	ug/L		4.44	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	4.94	T J	ug/L		4.70	N/A	08/21/25 07:54	08/22/25 14:16	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754931/1-A

Matrix: Water

Analysis Batch: 755049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754931

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	19.6	T J	ug/L		4.92	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	5.42	T J	ug/L		4.96	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	2.20	T J	ug/L		5.33	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	6.40	T J	ug/L		5.62	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	3.43	T J	ug/L		5.63	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	2.21	T J	ug/L		5.74	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	5.02	T J	ug/L		5.84	N/A	08/21/25 07:54	08/22/25 14:16	1
Unknown	3.64	T J	ug/L		5.87	N/A	08/21/25 07:54	08/22/25 14:16	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		29 - 129				08/21/25 07:54	08/22/25 14:16	1
Phenol-d5 (Surr)	39		10 - 120				08/21/25 07:54	08/22/25 14:16	1
p-Terphenyl-d14 (Surr)	99		33 - 132				08/21/25 07:54	08/22/25 14:16	1
2,4,6-Tribromophenol (Surr)	75		25 - 144				08/21/25 07:54	08/22/25 14:16	1
2-Fluorobiphenyl (Surr)	86		53 - 126				08/21/25 07:54	08/22/25 14:16	1
2-Fluorophenol (Surr)	59		24 - 120				08/21/25 07:54	08/22/25 14:16	1

Lab Sample ID: LCS 480-754931/2-A

Matrix: Water

Analysis Batch: 755049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	32.0	29.6		ug/L		93	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.3		ug/L		85	21 - 136
2,4,5-Trichlorophenol	32.0	30.7		ug/L		96	65 - 126
2,4,6-Trichlorophenol	32.0	28.8		ug/L		90	64 - 120
2,4-Dichlorophenol	32.0	29.9		ug/L		93	63 - 120
2,4-Dimethylphenol	32.0	29.6		ug/L		92	47 - 120
2,4-Dinitrophenol	64.0	66.1		ug/L		103	31 - 137
2,4-Dinitrotoluene	32.0	35.2		ug/L		110	69 - 120
2,6-Dinitrotoluene	32.0	33.9		ug/L		106	68 - 120
2-Chloronaphthalene	32.0	28.9		ug/L		90	58 - 120
2-Chlorophenol	32.0	28.3		ug/L		89	48 - 120
2-Methylphenol	32.0	27.6		ug/L		86	39 - 120
2-Methylnaphthalene	32.0	28.4		ug/L		89	59 - 120
2-Nitroaniline	32.0	30.4		ug/L		95	54 - 127
2-Nitrophenol	32.0	32.1		ug/L		100	52 - 125
3,3'-Dichlorobenzidine	32.0	36.2		ug/L		113	49 - 135
3-Nitroaniline	32.0	25.0		ug/L		78	51 - 120
4,6-Dinitro-2-methylphenol	64.0	72.1		ug/L		113	46 - 136
4-Bromophenyl phenyl ether	32.0	31.6		ug/L		99	65 - 120
4-Chloro-3-methylphenol	32.0	30.7		ug/L		96	61 - 123
4-Chloroaniline	32.0	20.3		ug/L		63	30 - 120
4-Chlorophenyl phenyl ether	32.0	31.4		ug/L		98	62 - 120
4-Methylphenol	32.0	25.4		ug/L		79	29 - 131
4-Nitroaniline	32.0	28.3		ug/L		88	65 - 120
4-Nitrophenol	64.0	41.6		ug/L		65	45 - 120
Acenaphthene	32.0	29.9		ug/L		93	60 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 480-754931/2-A

Matrix: Water

Analysis Batch: 755049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	32.0	30.9		ug/L		96	63 - 120
Acetophenone	32.0	28.9		ug/L		90	45 - 120
Anthracene	32.0	32.8		ug/L		102	67 - 120
Atrazine	32.0	27.2		ug/L		85	71 - 130
Benzaldehyde	32.0	19.7		ug/L		61	10 - 140
Benzo[a]anthracene	32.0	33.3		ug/L		104	70 - 121
Benzo[a]pyrene	32.0	32.5		ug/L		101	60 - 123
Benzo[b]fluoranthene	32.0	32.6		ug/L		102	66 - 126
Benzo[g,h,i]perylene	32.0	31.6		ug/L		99	66 - 150
Benzo[k]fluoranthene	32.0	32.6		ug/L		102	65 - 124
Bis(2-chloroethoxy)methane	32.0	28.3		ug/L		89	50 - 128
Bis(2-chloroethyl)ether	32.0	33.6		ug/L		105	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.2		ug/L		94	63 - 139
Butyl benzyl phthalate	32.0	33.2		ug/L		104	70 - 129
Caprolactam	32.0	6.79	*-	ug/L		21	22 - 120
Carbazole	32.0	40.5		ug/L		126	66 - 147
Chrysene	32.0	33.0		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	31.1		ug/L		97	65 - 135
Di-n-butyl phthalate	32.0	33.3		ug/L		104	69 - 131
Di-n-octyl phthalate	32.0	30.6		ug/L		95	63 - 140
Dibenzofuran	32.0	30.7		ug/L		96	66 - 120
Diethyl phthalate	32.0	33.6		ug/L		105	59 - 127
Dimethyl phthalate	32.0	33.1		ug/L		103	68 - 120
Fluoranthene	32.0	34.2		ug/L		107	69 - 126
Fluorene	32.0	31.4		ug/L		98	66 - 120
Hexachlorobenzene	32.0	31.5		ug/L		98	61 - 120
Hexachlorobutadiene	32.0	25.0		ug/L		78	35 - 120
Hexachlorocyclopentadiene	32.0	18.9		ug/L		59	31 - 120
Hexachloroethane	32.0	25.1		ug/L		78	33 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.5		ug/L		95	69 - 146
Isophorone	32.0	29.4		ug/L		92	55 - 120
N-Nitrosodi-n-propylamine	32.0	28.3		ug/L		89	32 - 140
N-Nitrosodiphenylamine	32.0	32.2		ug/L		101	61 - 120
Naphthalene	32.0	27.5		ug/L		86	57 - 120
Nitrobenzene	32.0	28.5		ug/L		89	53 - 123
Pentachlorophenol	64.0	55.5		ug/L		87	10 - 136
Phenanthrene	32.0	31.8		ug/L		99	68 - 120
Phenol	32.0	17.6		ug/L		55	17 - 120
Pyrene	32.0	34.8		ug/L		109	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	93		29 - 129
Phenol-d5 (Surr)	51		10 - 120
p-Terphenyl-d14 (Surr)	104		33 - 132
2,4,6-Tribromophenol (Surr)	102		25 - 144
2-Fluorobiphenyl (Surr)	96		53 - 126
2-Fluorophenol (Surr)	69		24 - 120

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 755049

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	ND		33.3	30.9		ug/L		93	57 - 120
bis (2-chloroisopropyl) ether	ND		33.3	28.9		ug/L		87	28 - 121
2,4,5-Trichlorophenol	ND		33.3	33.8		ug/L		101	65 - 126
2,4,6-Trichlorophenol	ND		33.3	31.1		ug/L		93	64 - 120
2,4-Dichlorophenol	ND		33.3	32.0		ug/L		96	48 - 132
2,4-Dimethylphenol	ND		33.3	31.4		ug/L		94	39 - 130
2,4-Dinitrophenol	ND		66.7	72.6		ug/L		109	21 - 150
2,4-Dinitrotoluene	ND		33.3	36.2		ug/L		109	54 - 138
2,6-Dinitrotoluene	ND		33.3	35.9		ug/L		108	17 - 150
2-Chloronaphthalene	ND		33.3	31.9		ug/L		96	52 - 124
2-Chlorophenol	ND		33.3	29.1		ug/L		87	48 - 120
2-Methylphenol	ND		33.3	28.2		ug/L		85	46 - 120
2-Methylnaphthalene	ND		33.3	31.2		ug/L		94	34 - 140
2-Nitroaniline	ND		33.3	32.5		ug/L		98	44 - 136
2-Nitrophenol	ND		33.3	34.2		ug/L		103	38 - 141
3,3'-Dichlorobenzidine	ND		33.3	12.1		ug/L		36	10 - 150
3-Nitroaniline	ND		33.3	22.9		ug/L		69	32 - 150
4,6-Dinitro-2-methylphenol	ND		66.7	77.3		ug/L		116	38 - 150
4-Bromophenyl phenyl ether	ND		33.3	33.4		ug/L		100	63 - 126
4-Chloro-3-methylphenol	ND		33.3	32.8		ug/L		98	64 - 127
4-Chloroaniline	ND		33.3	16.6		ug/L		50	16 - 124
4-Chlorophenyl phenyl ether	ND		33.3	34.0		ug/L		102	61 - 120
4-Methylphenol	ND		33.3	25.9		ug/L		78	36 - 120
4-Nitroaniline	ND		33.3	28.7		ug/L		86	32 - 150
4-Nitrophenol	ND		66.7	44.3		ug/L		66	23 - 132
Acenaphthene	ND		33.3	32.7		ug/L		98	48 - 120
Acenaphthylene	ND		33.3	32.7		ug/L		98	63 - 120
Acetophenone	ND		33.3	30.0		ug/L		90	53 - 120
Anthracene	ND		33.3	32.6		ug/L		98	65 - 122
Atrazine	ND		33.3	27.3		ug/L		82	50 - 150
Benzaldehyde	ND		33.3	20.0		ug/L		60	10 - 150
Benzo[a]anthracene	ND		33.3	30.4		ug/L		91	43 - 124
Benzo[a]pyrene	ND		33.3	27.4		ug/L		82	23 - 125
Benzo[b]fluoranthene	ND		33.3	27.8		ug/L		83	27 - 127
Benzo[g,h,i]perylene	ND		33.3	26.3		ug/L		79	16 - 147
Benzo[k]fluoranthene	ND		33.3	27.1		ug/L		81	20 - 124
Bis(2-chloroethoxy)methane	ND		33.3	29.8		ug/L		89	44 - 128
Bis(2-chloroethyl)ether	ND		33.3	35.0		ug/L		105	45 - 120
Bis(2-ethylhexyl) phthalate	ND		33.3	26.1		ug/L		78	16 - 150
Butyl benzyl phthalate	ND		33.3	32.9		ug/L		99	51 - 140
Caprolactam	ND	*-	33.3	7.26		ug/L		22	10 - 120
Carbazole	ND		33.3	41.8		ug/L		125	16 - 148
Chrysene	ND		33.3	30.3		ug/L		91	44 - 122
Dibenz(a,h)anthracene	ND		33.3	26.2		ug/L		79	16 - 139
Di-n-butyl phthalate	ND		33.3	32.3		ug/L		97	65 - 129
Di-n-octyl phthalate	ND		33.3	26.9		ug/L		81	16 - 150
Dibenzofuran	ND		33.3	32.7		ug/L		98	60 - 120
Diethyl phthalate	ND		33.3	35.7		ug/L		107	53 - 133

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 755049

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	ND		33.3	34.6		ug/L		104	59 - 123
Fluoranthene	ND		33.3	34.2		ug/L		103	63 - 129
Fluorene	ND		33.3	33.8		ug/L		101	62 - 120
Hexachlorobenzene	ND		33.3	31.5		ug/L		95	57 - 121
Hexachlorobutadiene	ND		33.3	28.1		ug/L		84	37 - 120
Hexachlorocyclopentadiene	ND		33.3	22.2		ug/L		67	21 - 120
Hexachloroethane	ND		33.3	27.2		ug/L		81	16 - 130
Indeno[1,2,3-cd]pyrene	ND		33.3	25.5		ug/L		77	16 - 140
Isophorone	ND		33.3	31.0		ug/L		93	48 - 133
N-Nitrosodi-n-propylamine	ND		33.3	29.2		ug/L		87	49 - 120
N-Nitrosodiphenylamine	ND		33.3	34.4		ug/L		103	39 - 138
Naphthalene	ND		33.3	29.2		ug/L		88	45 - 120
Nitrobenzene	ND		33.3	30.5		ug/L		91	45 - 123
Pentachlorophenol	ND		66.7	65.5		ug/L		98	10 - 149
Phenanthrene	ND		33.3	34.1		ug/L		102	65 - 122
Phenol	ND		33.3	18.4		ug/L		55	16 - 120
Pyrene	ND		33.3	34.6		ug/L		104	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	96		29 - 129
Phenol-d5 (Surr)	51		10 - 120
p-Terphenyl-d14 (Surr)	82		33 - 132
2,4,6-Tribromophenol (Surr)	107		25 - 144
2-Fluorobiphenyl (Surr)	99		53 - 126
2-Fluorophenol (Surr)	69		24 - 120

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 755049

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	ND		33.3	32.5		ug/L		98	57 - 120	5	20
bis (2-chloroisopropyl) ether	ND		33.3	28.0		ug/L		84	28 - 121	3	24
2,4,5-Trichlorophenol	ND		33.3	33.8		ug/L		101	65 - 126	0	18
2,4,6-Trichlorophenol	ND		33.3	31.8		ug/L		95	64 - 120	2	19
2,4-Dichlorophenol	ND		33.3	32.5		ug/L		97	48 - 132	1	19
2,4-Dimethylphenol	ND		33.3	31.4		ug/L		94	39 - 130	0	42
2,4-Dinitrophenol	ND		66.7	71.3		ug/L		107	21 - 150	2	22
2,4-Dinitrotoluene	ND		33.3	34.8		ug/L		104	54 - 138	4	20
2,6-Dinitrotoluene	ND		33.3	35.7		ug/L		107	17 - 150	0	15
2-Chloronaphthalene	ND		33.3	32.3		ug/L		97	52 - 124	1	21
2-Chlorophenol	ND		33.3	29.2		ug/L		88	48 - 120	0	25
2-Methylphenol	ND		33.3	27.9		ug/L		84	46 - 120	1	27
2-Methylnaphthalene	ND		33.3	31.5		ug/L		95	34 - 140	1	21
2-Nitroaniline	ND		33.3	32.2		ug/L		97	44 - 136	1	15
2-Nitrophenol	ND		33.3	34.2		ug/L		103	38 - 141	0	18
3,3'-Dichlorobenzidine	ND		33.3	13.3		ug/L		40	10 - 150	10	25
3-Nitroaniline	ND		33.3	20.6		ug/L		62	32 - 150	10	19

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 755049

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	ND		66.7	73.2		ug/L		110	38 - 150	5	15
4-Bromophenyl phenyl ether	ND		33.3	32.9		ug/L		99	63 - 126	1	15
4-Chloro-3-methylphenol	ND		33.3	32.5		ug/L		98	64 - 127	1	27
4-Chloroaniline	ND		33.3	17.4		ug/L		52	16 - 124	5	22
4-Chlorophenyl phenyl ether	ND		33.3	34.3		ug/L		103	61 - 120	1	16
4-Methylphenol	ND		33.3	26.2		ug/L		78	36 - 120	1	24
4-Nitroaniline	ND		33.3	28.5		ug/L		86	32 - 150	1	24
4-Nitrophenol	ND		66.7	46.9		ug/L		70	23 - 132	6	48
Acenaphthene	ND		33.3	32.8		ug/L		98	48 - 120	0	24
Acenaphthylene	ND		33.3	33.4		ug/L		100	63 - 120	2	18
Acetophenone	ND		33.3	29.7		ug/L		89	53 - 120	1	20
Anthracene	ND		33.3	32.7		ug/L		98	65 - 122	0	15
Atrazine	ND		33.3	27.5		ug/L		82	50 - 150	1	20
Benzaldehyde	ND		33.3	19.9		ug/L		60	10 - 150	0	20
Benzo[a]anthracene	ND		33.3	29.9		ug/L		90	43 - 124	2	15
Benzo[a]pyrene	ND		33.3	27.9		ug/L		84	23 - 125	2	15
Benzo[b]fluoranthene	ND		33.3	27.6		ug/L		83	27 - 127	1	15
Benzo[g,h,i]perylene	ND		33.3	26.7		ug/L		80	16 - 147	1	15
Benzo[k]fluoranthene	ND		33.3	27.8		ug/L		83	20 - 124	2	22
Bis(2-chloroethoxy)methane	ND		33.3	29.7		ug/L		89	44 - 128	0	17
Bis(2-chloroethyl)ether	ND		33.3	33.0		ug/L		99	45 - 120	6	21
Bis(2-ethylhexyl) phthalate	ND		33.3	25.3		ug/L		76	16 - 150	3	15
Butyl benzyl phthalate	ND		33.3	32.4		ug/L		97	51 - 140	1	16
Caprolactam	ND	*	33.3	6.88		ug/L		21	10 - 120	5	20
Carbazole	ND		33.3	40.6		ug/L		122	16 - 148	3	20
Chrysene	ND		33.3	30.1		ug/L		90	44 - 122	1	15
Dibenz(a,h)anthracene	ND		33.3	26.6		ug/L		80	16 - 139	2	15
Di-n-butyl phthalate	ND		33.3	31.6		ug/L		95	65 - 129	2	15
Di-n-octyl phthalate	ND		33.3	25.8		ug/L		77	16 - 150	4	16
Dibenzofuran	ND		33.3	33.1		ug/L		99	60 - 120	1	15
Diethyl phthalate	ND		33.3	36.1		ug/L		108	53 - 133	1	15
Dimethyl phthalate	ND		33.3	35.1		ug/L		105	59 - 123	2	15
Fluoranthene	ND		33.3	32.5		ug/L		97	63 - 129	5	15
Fluorene	ND		33.3	33.5		ug/L		101	62 - 120	1	15
Hexachlorobenzene	ND		33.3	31.2		ug/L		94	57 - 121	1	15
Hexachlorobutadiene	ND		33.3	28.3		ug/L		85	37 - 120	1	44
Hexachlorocyclopentadiene	ND		33.3	22.3		ug/L		67	21 - 120	0	49
Hexachloroethane	ND		33.3	26.2		ug/L		79	16 - 130	3	46
Indeno[1,2,3-cd]pyrene	ND		33.3	25.8		ug/L		77	16 - 140	1	15
Isophorone	ND		33.3	30.6		ug/L		92	48 - 133	1	17
N-Nitrosodi-n-propylamine	ND		33.3	29.1		ug/L		87	49 - 120	0	31
N-Nitrosodiphenylamine	ND		33.3	33.7		ug/L		101	39 - 138	2	15
Naphthalene	ND		33.3	29.7		ug/L		89	45 - 120	1	29
Nitrobenzene	ND		33.3	30.4		ug/L		91	45 - 123	0	24
Pentachlorophenol	ND		66.7	64.5		ug/L		97	10 - 149	2	37
Phenanthrene	ND		33.3	33.4		ug/L		100	65 - 122	2	15
Phenol	ND		33.3	19.0		ug/L		57	16 - 120	3	34
Pyrene	ND		33.3	34.4		ug/L		103	58 - 128	1	19

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 755049

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754931

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	95		29 - 129
Phenol-d5 (Surr)	51		10 - 120
p-Terphenyl-d14 (Surr)	79		33 - 132
2,4,6-Tribromophenol (Surr)	101		25 - 144
2-Fluorobiphenyl (Surr)	101		53 - 126
2-Fluorophenol (Surr)	67		24 - 120

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-754752/1-A

Matrix: Water

Analysis Batch: 754822

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		08/19/25 13:32	08/20/25 10:24	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 110				08/19/25 13:32	08/20/25 10:24	1

Lab Sample ID: LCS 480-754752/2-A

Matrix: Water

Analysis Batch: 754822

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.00	2.24		ug/L		112	40 - 140
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	41		15 - 110				

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754822

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		2.00	2.11		ug/L		105	40 - 140
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	42		15 - 110						

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754822

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		2.00	2.22		ug/L		111	40 - 140	5	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
1,4-Dioxane-d8	42		15 - 110								

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-754826/1-A

Matrix: Water

Analysis Batch: 754925

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/20/25 08:47	08/21/25 13:26	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 13:26	1
4,4'-DDT	0.0238	J	0.050	0.011	ug/L		08/20/25 08:47	08/21/25 13:26	1
Aldrin	ND		0.050	0.0081	ug/L		08/20/25 08:47	08/21/25 13:26	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/20/25 08:47	08/21/25 13:26	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/20/25 08:47	08/21/25 13:26	1
beta-BHC	ND		0.050	0.025	ug/L		08/20/25 08:47	08/21/25 13:26	1
delta-BHC	ND		0.050	0.010	ug/L		08/20/25 08:47	08/21/25 13:26	1
Dieldrin	ND		0.050	0.0098	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endosulfan I	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endosulfan II	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endrin	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/20/25 08:47	08/21/25 13:26	1
Endrin ketone	ND		0.050	0.012	ug/L		08/20/25 08:47	08/21/25 13:26	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/20/25 08:47	08/21/25 13:26	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/20/25 08:47	08/21/25 13:26	1
Heptachlor	ND		0.050	0.0085	ug/L		08/20/25 08:47	08/21/25 13:26	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/20/25 08:47	08/21/25 13:26	1
Methoxychlor	ND		0.050	0.014	ug/L		08/20/25 08:47	08/21/25 13:26	1
Toxaphene	ND		0.50	0.12	ug/L		08/20/25 08:47	08/21/25 13:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		10 - 120	08/20/25 08:47	08/21/25 13:26	1
DCB Decachlorobiphenyl	115		10 - 120	08/20/25 08:47	08/21/25 13:26	1
Tetrachloro-m-xylene	98		10 - 120	08/20/25 08:47	08/21/25 13:26	1
Tetrachloro-m-xylene	96		10 - 120	08/20/25 08:47	08/21/25 13:26	1

Lab Sample ID: LCS 480-754826/2-A

Matrix: Water

Analysis Batch: 754925

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.400	0.468		ug/L		117	66 - 143
4,4'-DDE	0.400	0.430		ug/L		108	50 - 125
4,4'-DDT	0.400	0.490		ug/L		122	64 - 138
Aldrin	0.400	0.396		ug/L		99	26 - 120
alpha-BHC	0.400	0.427		ug/L		107	34 - 120
cis-Chlordane	0.400	0.445		ug/L		111	51 - 127
beta-BHC	0.400	0.467		ug/L		117	53 - 132
delta-BHC	0.400	0.475		ug/L		119	47 - 131
Dieldrin	0.400	0.448		ug/L		112	64 - 142
Endosulfan I	0.400	0.427		ug/L		107	48 - 140
Endosulfan II	0.400	0.466		ug/L		117	71 - 146
Endosulfan sulfate	0.400	0.473		ug/L		118	48 - 153
Endrin	0.400	0.447		ug/L		112	63 - 142
Endrin aldehyde	0.400	0.481		ug/L		120	50 - 142
Endrin ketone	0.400	0.489		ug/L		122	73 - 146

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 480-754826/2-A

Matrix: Water

Analysis Batch: 754925

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-BHC (Lindane)	0.400	0.453		ug/L		113	42 - 128
trans-Chlordane	0.400	0.444		ug/L		111	47 - 131
Heptachlor	0.400	0.425		ug/L		106	44 - 125
Heptachlor epoxide	0.400	0.445		ug/L		111	63 - 142
Methoxychlor	0.400	0.560		ug/L		140	54 - 158

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	77		10 - 120
DCB Decachlorobiphenyl	86		10 - 120
Tetrachloro-m-xylene	94		10 - 120
Tetrachloro-m-xylene	93		10 - 120

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754925

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754826

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	ND		0.417	0.487		ug/L		117	57 - 130
4,4'-DDE	ND		0.417	0.459		ug/L		110	39 - 120
4,4'-DDT	ND		0.417	0.517		ug/L		124	37 - 130
Aldrin	ND		0.417	0.424		ug/L		102	39 - 125
alpha-BHC	ND		0.417	0.444		ug/L		107	48 - 120
cis-Chlordane	ND		0.417	0.460		ug/L		110	44 - 120
beta-BHC	ND		0.417	0.475		ug/L		114	49 - 120
delta-BHC	ND		0.417	0.496		ug/L		116	50 - 120
Dieldrin	ND		0.417	0.465		ug/L		111	56 - 130
Endosulfan I	ND		0.417	0.455		ug/L		109	40 - 126
Endosulfan II	ND		0.417	0.488		ug/L		117	59 - 140
Endosulfan sulfate	ND		0.417	0.498		ug/L		120	60 - 134
Endrin	ND		0.417	0.471		ug/L		113	54 - 135
Endrin aldehyde	ND		0.417	0.510		ug/L		122	50 - 142
Endrin ketone	ND		0.417	0.512		ug/L		123	57 - 138
gamma-BHC (Lindane)	ND		0.417	0.462		ug/L		111	50 - 120
trans-Chlordane	ND		0.417	0.472		ug/L		113	42 - 120
Heptachlor	ND		0.417	0.461		ug/L		111	56 - 120
Heptachlor epoxide	ND		0.417	0.466		ug/L		112	58 - 125
Methoxychlor	ND		0.417	0.553		ug/L		133	40 - 150

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	125	S1+	10 - 120
DCB Decachlorobiphenyl	89		10 - 120
Tetrachloro-m-xylene	88		10 - 120
Tetrachloro-m-xylene	89		10 - 120

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754925

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754826

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	ND		0.417	0.460		ug/L		110	57 - 130	6	23
4,4'-DDE	ND		0.417	0.404		ug/L		97	39 - 120	13	22
4,4'-DDT	ND		0.417	0.481		ug/L		116	37 - 130	7	24
Aldrin	ND		0.417	0.395		ug/L		95	39 - 125	7	25
alpha-BHC	ND		0.417	0.429		ug/L		103	48 - 120	4	24
cis-Chlordane	ND		0.417	0.430		ug/L		103	44 - 120	7	23
beta-BHC	ND		0.417	0.460		ug/L		110	49 - 120	3	24
delta-BHC	ND		0.417	0.468		ug/L		110	50 - 120	6	24
Dieldrin	ND		0.417	0.434		ug/L		104	56 - 130	7	24
Endosulfan I	ND		0.417	0.426		ug/L		102	40 - 126	7	30
Endosulfan II	ND		0.417	0.472		ug/L		113	59 - 140	3	40
Endosulfan sulfate	ND		0.417	0.461		ug/L		111	60 - 134	8	24
Endrin	ND		0.417	0.448		ug/L		108	54 - 135	5	24
Endrin aldehyde	ND		0.417	0.470		ug/L		113	50 - 142	8	28
Endrin ketone	ND		0.417	0.481		ug/L		115	57 - 138	6	26
gamma-BHC (Lindane)	ND		0.417	0.445		ug/L		107	50 - 120	4	24
trans-Chlordane	ND		0.417	0.446		ug/L		107	42 - 120	6	24
Heptachlor	ND		0.417	0.436		ug/L		105	56 - 120	5	25
Heptachlor epoxide	ND		0.417	0.427		ug/L		102	58 - 125	9	23
Methoxychlor	ND		0.417	0.503		ug/L		121	40 - 150	10	26

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	117		10 - 120
DCB Decachlorobiphenyl	76		10 - 120
Tetrachloro-m-xylene	82		10 - 120
Tetrachloro-m-xylene	88		10 - 120

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

Lab Sample ID: MB 480-754827/1-A

Matrix: Water

Analysis Batch: 754918

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1221	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1232	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1242	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1248	ND		0.50	0.18	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1254	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 12:38	1
PCB-1260	ND		0.50	0.25	ug/L		08/20/25 08:52	08/21/25 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		10 - 145	08/20/25 08:52	08/21/25 12:38	1
Tetrachloro-m-xylene	75		10 - 145	08/20/25 08:52	08/21/25 12:38	1
DCB Decachlorobiphenyl	80		10 - 123	08/20/25 08:52	08/21/25 12:38	1
DCB Decachlorobiphenyl	78		10 - 123	08/20/25 08:52	08/21/25 12:38	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 480-754827/2-A

Matrix: Water

Analysis Batch: 754918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.78		ug/L		94	62 - 130
PCB-1260	4.00	3.65		ug/L		91	56 - 123

LCS LCS			
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	86		10 - 145
Tetrachloro-m-xylene	83		10 - 145
DCB Decachlorobiphenyl	77		10 - 123
DCB Decachlorobiphenyl	73		10 - 123

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754918

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		4.17	3.88		ug/L		93	28 - 150
PCB-1260	ND		4.17	3.55		ug/L		85	25 - 131

MS MS			
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	92		10 - 145
Tetrachloro-m-xylene	90		10 - 145
DCB Decachlorobiphenyl	56		10 - 123
DCB Decachlorobiphenyl	53		10 - 123

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754918

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.81		ug/L		95	28 - 150	2	50
PCB-1260	ND		4.00	3.11		ug/L		78	25 - 131	13	50

MSD MSD			
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	94		10 - 145
Tetrachloro-m-xylene	87		10 - 145
DCB Decachlorobiphenyl	52		10 - 123
DCB Decachlorobiphenyl	49		10 - 123

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

Lab Sample ID: MB 410-689302/1-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689302

MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result Qualifier							
Perfluorobutanoic acid (PFBA)	ND	4.0	1.1	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.60	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.80	ng/L		08/22/25 12:04	08/22/25 20:28	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 410-689302/1-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		08/22/25 12:04	08/22/25 20:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		08/22/25 12:04	08/22/25 20:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		08/22/25 12:04	08/22/25 20:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5	ng/L		08/22/25 12:04	08/22/25 20:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		08/22/25 12:04	08/22/25 20:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		08/22/25 12:04	08/22/25 20:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		08/22/25 12:04	08/22/25 20:28	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 410-689302/1-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		08/22/25 12:04	08/22/25 20:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		08/22/25 12:04	08/22/25 20:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		08/22/25 12:04	08/22/25 20:28	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFBA	73.4		5 - 130	08/22/25 12:04	08/22/25 20:28	1
13C5-PFPeA	79.1		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C5-PFHxA	71.4		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C4-PFHpA	76.6		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C8-PFOA	76.8		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C9-PFNA	76.3		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C6-PFDA	74.3		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C7-PFUnA	66.2		30 - 130	08/22/25 12:04	08/22/25 20:28	1
13C2-PFTeDA	55.4		10 - 130	08/22/25 12:04	08/22/25 20:28	1
13C3-PFBS	77.6		40 - 135	08/22/25 12:04	08/22/25 20:28	1
13C3-PFHxS	80.0		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C8-PFOS	72.4		40 - 130	08/22/25 12:04	08/22/25 20:28	1
13C8-PFOSA	67.2		40 - 130	08/22/25 12:04	08/22/25 20:28	1
d3-NMeFOSAA	64.2		40 - 170	08/22/25 12:04	08/22/25 20:28	1
d5-NEtFOSAA	62.2		25 - 135	08/22/25 12:04	08/22/25 20:28	1
13C2 4:2 FTS	87.7		40 - 200	08/22/25 12:04	08/22/25 20:28	1
13C2 6:2 FTS	92.1		40 - 200	08/22/25 12:04	08/22/25 20:28	1
13C2 8:2 FTS	85.1		40 - 300	08/22/25 12:04	08/22/25 20:28	1
13C3-HFPO-DA	75.9		40 - 130	08/22/25 12:04	08/22/25 20:28	1
D7-NMeFOSE	49.1		10 - 130	08/22/25 12:04	08/22/25 20:28	1
D9-NEtFOSE	39.4		10 - 130	08/22/25 12:04	08/22/25 20:28	1
d5-NEtPFOSA	54.9		10 - 130	08/22/25 12:04	08/22/25 20:28	1
d3-NMePFOSA	57.8		10 - 130	08/22/25 12:04	08/22/25 20:28	1
13C2 PFDaA	65.2		10 - 130	08/22/25 12:04	08/22/25 20:28	1

Lab Sample ID: LCS 410-689302/2-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	66.6		ng/L		83	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	33.4		ng/L		84	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	32.3		ng/L		81	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	35.7		ng/L		89	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	33.8		ng/L		85	70 - 150
Perfluorononanoic acid (PFNA)	40.0	32.5		ng/L		81	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	33.6		ng/L		84	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	38.3		ng/L		96	70 - 145
Perfluorododecanoic acid (PFDaA)	40.0	38.4		ng/L		96	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 410-689302/2-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid (PFTTrDA)	40.0	35.4		ng/L		88	65 - 140
Perfluorotetradecanoic acid (PFTTeDA)	40.0	35.8		ng/L		90	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	30.6		ng/L		86	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	33.6		ng/L		89	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	28.5		ng/L		78	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.4		ng/L		87	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	29.8		ng/L		80	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	30.6		ng/L		80	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	28.6		ng/L		74	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	24.1		ng/L		62	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	67.7		ng/L		90	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	66.2		ng/L		87	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	67.8		ng/L		88	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.9		ng/L		87	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.3		ng/L		93	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	34.2		ng/L		86	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	32.7		ng/L		82	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	30.9		ng/L		77	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	166		ng/L		83	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	195		ng/L		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.5		ng/L		88	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.9		ng/L		90	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	37.8		ng/L		94	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	33.8		ng/L		85	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	34.4		ng/L		86	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	28.7		ng/L		77	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	26.6		ng/L		70	55 - 160

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LCS 410-689302/2-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	30.8		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	79.7		ng/L		100	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	158		ng/L		79	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	139		ng/L		70	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4-PFBA	103		5 - 130
13C5-PFPeA	104		40 - 130
13C5-PFHxA	97.4		40 - 130
13C4-PFHpA	105		40 - 130
13C8-PFOA	101		40 - 130
13C9-PFNA	101		40 - 130
13C6-PFDA	93.5		40 - 130
13C7-PFUnA	85.7		30 - 130
13C2-PFTeDA	59.3		10 - 130
13C3-PFBS	106		40 - 135
13C3-PFHxS	103		40 - 130
13C8-PFOS	92.4		40 - 130
13C8-PFOSA	82.2		40 - 130
d3-NMeFOSAA	81.2		40 - 170
d5-NEtFOSAA	83.0		25 - 135
13C2 4:2 FTS	104		40 - 200
13C2 6:2 FTS	113		40 - 200
13C2 8:2 FTS	105		40 - 300
13C3-HFPO-DA	96.9		40 - 130
D7-NMeFOSE	55.2		10 - 130
D9-NEtFOSE	37.0		10 - 130
d5-NEtPFOSA	73.0		10 - 130
d3-NMePFOSA	72.0		10 - 130
13C2 PFDoA	81.5		10 - 130

Lab Sample ID: LLCS 410-689302/3-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.11		ng/L		89	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.40		ng/L		85	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.82		ng/L		95	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.53		ng/L		88	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.66		ng/L		92	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.22		ng/L		81	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.20		ng/L		80	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.27		ng/L		107	70 - 145

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LLCS 410-689302/3-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	4.00	3.92		ng/L		98	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	3.47		ng/L		87	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.79		ng/L		120	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	2.74		ng/L		77	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.64		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	2.60		ng/L		71	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.07		ng/L		81	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.33		ng/L		89	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.00		ng/L		78	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	2.94		ng/L		76	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.88		ng/L		74	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.73		ng/L		90	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.49		ng/L		85	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	5.89		ng/L		77	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.55		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.17		ng/L		104	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.16		ng/L		79	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.05		ng/L		101	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.42		ng/L		85	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	17.7		ng/L		88	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	18.7		ng/L		93	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.65		ng/L		88	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.54		ng/L		94	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.88		ng/L		97	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.17		ng/L		79	60 - 150
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	4.00	3.51		ng/L		88	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.13		ng/L		84	70 - 155

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: LLCS 410-689302/3-A

Matrix: Water

Analysis Batch: 689480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	2.93		ng/L		78	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.08		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.88		ng/L		111	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	18.4		ng/L		92	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	11.9		ng/L		59	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4-PFBA	105		5 - 130
13C5-PFPeA	109		40 - 130
13C5-PFHxA	103		40 - 130
13C4-PFHpA	102		40 - 130
13C8-PFOA	106		40 - 130
13C9-PFNA	103		40 - 130
13C6-PFDA	100		40 - 130
13C7-PFUnA	89.4		30 - 130
13C2-PFTeDA	79.0		10 - 130
13C3-PFBS	115		40 - 135
13C3-PFHxS	104		40 - 130
13C8-PFOS	99.3		40 - 130
13C8-PFOSA	89.7		40 - 130
d3-NMeFOSAA	88.6		40 - 170
d5-NEtFOSAA	88.7		25 - 135
13C2 4:2 FTS	117		40 - 200
13C2 6:2 FTS	131		40 - 200
13C2 8:2 FTS	118		40 - 300
13C3-HFPO-DA	98.6		40 - 130
D7-NMeFOSE	73.1		10 - 130
D9-NEtFOSE	59.2		10 - 130
d5-NEtPFOSA	81.4		10 - 130
d3-NMePFOSA	76.9		10 - 130
13C2 PFDoA	93.5		10 - 130

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	14		65.6	66.5		ng/L		80	70 - 140
Perfluoropentanoic acid (PFPeA)	39	F1	32.8	58.4	F1	ng/L		59	65 - 135
Perfluorohexanoic acid (PFHxA)	33		32.8	60.9		ng/L		84	70 - 145
Perfluoroheptanoic acid (PFHpA)	3.1		32.8	32.8		ng/L		91	70 - 150
Perfluorooctanoic acid (PFOA)	8.1		32.8	36.0		ng/L		85	70 - 150
Perfluorononanoic acid (PFNA)	ND		32.8	28.0		ng/L		85	70 - 150
Perfluorodecanoic acid (PFDA)	ND		32.8	27.9		ng/L		85	70 - 140

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	ND		32.8	32.4		ng/L		99	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		32.8	31.2		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	ND		32.8	27.2		ng/L		83	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		32.8	31.3		ng/L		95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	2.0		29.1	20.4		ng/L		63	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		30.8	24.7		ng/L		80	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	ND	F1	29.9	20.3		ng/L		68	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		31.3	26.3		ng/L		84	70 - 150
Perfluorooctanesulfonic acid (PFOS)	11	F2 F1	30.5	36.5		ng/L		84	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		31.6	21.5		ng/L		68	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		31.6	19.9		ng/L		63	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		31.8	20.2		ng/L		63	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		61.5	51.3		ng/L		83	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		62.5	63.3		ng/L		93	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		63.0	53.0		ng/L		84	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		32.8	28.2		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		32.8	26.5		ng/L		81	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		32.8	26.1		ng/L		80	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		32.8	27.5		ng/L		84	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		32.8	25.2		ng/L		77	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		164	135		ng/L		82	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		164	145		ng/L		89	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		24.6	20.7		ng/L		84	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		31.0	28.1		ng/L		90	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		32.8	24.6		ng/L		75	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		32.8	27.2		ng/L		83	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		32.8	29.6		ng/L		90	50 - 150

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	F1	30.6	20.9	F1	ng/L		68	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		31.0	20.3		ng/L		66	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		29.3	21.8		ng/L		74	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		65.6	63.0		ng/L		96	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		164	138		ng/L		84	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		164	125		ng/L		76	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4-PFBA	111		5 - 130
13C5-PFPeA	107		40 - 130
13C5-PFHxA	102		40 - 130
13C4-PFHpA	106		40 - 130
13C8-PFOA	104		40 - 130
13C9-PFNA	108		40 - 130
13C6-PFDA	102		40 - 130
13C7-PFUnA	88.1		30 - 130
13C2-PFTeDA	74.9		10 - 130
13C3-PFBS	119		40 - 135
13C3-PFHxS	116		40 - 130
13C8-PFOS	120		40 - 130
13C8-PFOSA	111		40 - 130
d3-NMeFOSAA	103		40 - 170
d5-NEtFOSAA	101		25 - 135
13C2 4:2 FTS	187		40 - 200
13C2 6:2 FTS	162		40 - 200
13C2 8:2 FTS	138		40 - 300
13C3-HFPO-DA	95.8		40 - 130
D7-NMeFOSE	68.0		10 - 130
D9-NEtFOSE	53.2		10 - 130
d5-NEtPFOSA	90.9		10 - 130
d3-NMePFOSA	95.4		10 - 130
13C2 PFDoA	84.7		10 - 130

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	14		66.4	75.8		ng/L		93	70 - 140	13	30
Perfluoropentanoic acid (PFPeA)	39	F1	33.2	73.6		ng/L		104	65 - 135	23	30
Perfluorohexanoic acid (PFHxA)	33		33.2	69.7		ng/L		109	70 - 145	13	30
Perfluoroheptanoic acid (PFHpA)	3.1		33.2	37.5		ng/L		104	70 - 150	13	30
Perfluorooctanoic acid (PFOA)	8.1		33.2	38.0		ng/L		90	70 - 150	6	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanoic acid (PFNA)	ND		33.2	29.4		ng/L		89	70 - 150	5	30
Perfluorodecanoic acid (PFDA)	ND		33.2	28.2		ng/L		85	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	ND		33.2	35.9		ng/L		108	70 - 145	10	30
Perfluorododecanoic acid (PFDoA)	ND		33.2	31.5		ng/L		95	70 - 140	1	30
Perfluorotridecanoic acid (PFTrDA)	ND		33.2	30.0		ng/L		90	65 - 140	10	30
Perfluorotetradecanoic acid (PFTeDA)	ND		33.2	30.6		ng/L		92	60 - 140	2	30
Perfluorobutanesulfonic acid (PFBS)	2.0		29.5	25.9		ng/L		81	60 - 145	24	30
Perfluoropentanesulfonic acid (PFPeS)	ND		31.2	25.9		ng/L		83	65 - 140	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND	F1	30.3	18.9	F1	ng/L		63	65 - 145	7	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		31.7	26.6		ng/L		84	70 - 150	1	30
Perfluorooctanesulfonic acid (PFOS)	11	F2 F1	30.9	26.6	F2 F1	ng/L		51	55 - 150	31	30
Perfluorononanesulfonic acid (PFNS)	ND		31.9	23.7		ng/L		74	65 - 145	10	30
Perfluorodecanesulfonic acid (PFDS)	ND		32.0	23.8		ng/L		74	60 - 145	18	30
Perfluorododecanesulfonic acid (PFDoS)	ND		32.2	26.4		ng/L		82	50 - 145	27	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		62.3	53.0		ng/L		85	70 - 145	3	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		63.2	64.4		ng/L		93	65 - 155	2	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		63.7	49.9		ng/L		78	60 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)	ND		33.2	28.5		ng/L		86	70 - 145	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		33.2	28.4		ng/L		86	60 - 150	7	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		33.2	28.3		ng/L		85	65 - 145	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.2	28.3		ng/L		85	50 - 140	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.2	29.7		ng/L		89	70 - 145	16	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		166	139		ng/L		84	70 - 145	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		166	147		ng/L		89	70 - 135	1	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		24.9	23.2		ng/L		93	70 - 140	11	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		31.4	28.9		ng/L		92	65 - 145	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		33.2	25.8		ng/L		78	55 - 140	5	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		33.2	28.2		ng/L		85	60 - 150	4	30

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 689480

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 689302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		33.2	29.0		ng/L		87	50 - 150	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	F1	31.0	23.1		ng/L		75	70 - 155	10	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		31.3	23.6		ng/L		75	55 - 160	15	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		29.6	25.8		ng/L		87	70 - 140	17	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		66.4	68.1		ng/L		103	65 - 130	8	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		166	151		ng/L		91	70 - 135	9	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		166	144		ng/L		87	50 - 145	14	30
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
13C4-PFBA	114		5 - 130								
13C5-PFPeA	111		40 - 130								
13C5-PFHxA	103		40 - 130								
13C4-PFHpA	106		40 - 130								
13C8-PFOA	116		40 - 130								
13C9-PFNA	122		40 - 130								
13C6-PFDA	105		40 - 130								
13C7-PFUnA	84.8		30 - 130								
13C2-PFTeDA	90.9		10 - 130								
13C3-PFBS	113		40 - 135								
13C3-PFHxS	117		40 - 130								
13C8-PFOS	124		40 - 130								
13C8-PFOSA	116		40 - 130								
d3-NMeFOSAA	110		40 - 170								
d5-NEtFOSAA	114		25 - 135								
13C2 4:2 FTS	195		40 - 200								
13C2 6:2 FTS	166		40 - 200								
13C2 8:2 FTS	147		40 - 300								
13C3-HFPO-DA	99.6		40 - 130								
D7-NMeFOSE	104		10 - 130								
D9-NEtFOSE	85.3		10 - 130								
d5-NEtPFOSA	102		10 - 130								
d3-NMePFOSA	104		10 - 130								
13C2 PFDoA	96.4		10 - 130								

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-754778/1-A

Matrix: Water

Analysis Batch: 754886

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/20/25 08:10	08/20/25 13:05	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: MB 480-754778/1-A

Matrix: Water

Analysis Batch: 754886

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		08/20/25 08:10	08/20/25 13:05	1
Arsenic	ND		0.015	0.0056	mg/L		08/20/25 08:10	08/20/25 13:05	1
Barium	ND		0.0020	0.00070	mg/L		08/20/25 08:10	08/20/25 13:05	1
Beryllium	ND		0.0020	0.00030	mg/L		08/20/25 08:10	08/20/25 13:05	1
Cadmium	ND		0.0020	0.00050	mg/L		08/20/25 08:10	08/20/25 13:05	1
Calcium	ND		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 13:05	1
Chromium	ND		0.0040	0.0010	mg/L		08/20/25 08:10	08/20/25 13:05	1
Cobalt	ND		0.0040	0.00063	mg/L		08/20/25 08:10	08/20/25 13:05	1
Copper	ND		0.010	0.0016	mg/L		08/20/25 08:10	08/20/25 13:05	1
Iron	ND		0.050	0.019	mg/L		08/20/25 08:10	08/20/25 13:05	1
Lead	ND		0.010	0.0030	mg/L		08/20/25 08:10	08/20/25 13:05	1
Magnesium	ND		0.20	0.043	mg/L		08/20/25 08:10	08/20/25 13:05	1
Manganese	ND		0.0030	0.00040	mg/L		08/20/25 08:10	08/20/25 13:05	1
Nickel	ND		0.010	0.0013	mg/L		08/20/25 08:10	08/20/25 13:05	1
Potassium	ND		0.50	0.10	mg/L		08/20/25 08:10	08/20/25 13:05	1
Selenium	ND		0.025	0.0087	mg/L		08/20/25 08:10	08/20/25 13:05	1
Silver	ND	^5-	0.0060	0.0017	mg/L		08/20/25 08:10	08/20/25 13:05	1
Sodium	ND		1.0	0.32	mg/L		08/20/25 08:10	08/20/25 13:05	1
Thallium	ND		0.020	0.010	mg/L		08/20/25 08:10	08/20/25 13:05	1
Vanadium	ND		0.0050	0.0015	mg/L		08/20/25 08:10	08/20/25 13:05	1
Zinc	ND		0.010	0.0015	mg/L		08/20/25 08:10	08/20/25 13:05	1

Lab Sample ID: LCS 480-754778/2-A

Matrix: Water

Analysis Batch: 754886

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.11	5.12		mg/L		100	80 - 120
Antimony	0.500	0.490		mg/L		98	80 - 120
Arsenic	1.00	0.993		mg/L		99	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.496	0.538		mg/L		108	80 - 120
Cadmium	0.500	0.495		mg/L		99	80 - 120
Calcium	25.0	26.36		mg/L		105	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.478		mg/L		96	80 - 120
Copper	0.500	0.497		mg/L		99	80 - 120
Iron	5.12	5.38		mg/L		105	80 - 120
Lead	0.500	0.478		mg/L		96	80 - 120
Magnesium	25.0	24.82		mg/L		99	80 - 120
Manganese	0.500	0.507		mg/L		101	80 - 120
Nickel	0.500	0.490		mg/L		98	80 - 120
Potassium	25.0	25.34		mg/L		101	80 - 120
Selenium	1.00	0.951		mg/L		95	80 - 120
Silver	0.0500	0.0493	^5-	mg/L		99	80 - 120
Sodium	25.0	24.97		mg/L		100	80 - 120
Thallium	1.00	0.992		mg/L		99	80 - 120
Vanadium	0.500	0.506		mg/L		101	80 - 120
Zinc	0.500	0.498		mg/L		100	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754886

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	ND		5.11	5.29		mg/L		104	75 - 125
Antimony	ND		0.500	0.501		mg/L		100	75 - 125
Arsenic	ND		1.00	1.03		mg/L		103	75 - 125
Barium	0.19		1.00	1.25		mg/L		105	75 - 125
Beryllium	ND		0.496	0.547		mg/L		110	75 - 125
Cadmium	ND		0.500	0.509		mg/L		102	75 - 125
Calcium	115		25.0	139.9	4	mg/L		99	75 - 125
Chromium	ND		0.500	0.507		mg/L		101	75 - 125
Cobalt	0.0029	J	0.500	0.494		mg/L		98	75 - 125
Copper	0.0036	J	0.500	0.520		mg/L		103	75 - 125
Iron	2.5	F1 F2	5.12	7.57		mg/L		98	75 - 125
Lead	ND		0.500	0.491		mg/L		98	75 - 125
Magnesium	9.4		25.0	33.79		mg/L		97	75 - 125
Manganese	0.59	F1	0.500	1.16		mg/L		112	75 - 125
Nickel	0.0025	J	0.500	0.501		mg/L		100	75 - 125
Potassium	4.6		25.0	30.41		mg/L		103	75 - 125
Selenium	ND		1.00	0.987		mg/L		99	75 - 125
Silver	ND	^5-	0.0500	0.0507	^5-	mg/L		101	75 - 125
Sodium	10		25.0	35.16		mg/L		101	75 - 125
Thallium	ND		1.00	1.01		mg/L		101	75 - 125
Vanadium	ND		0.500	0.515		mg/L		103	75 - 125
Zinc	0.021		0.500	0.507		mg/L		97	75 - 125

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754886

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	ND		5.11	5.28		mg/L		103	75 - 125	0	20
Antimony	ND		0.500	0.503		mg/L		101	75 - 125	0	20
Arsenic	ND		1.00	1.01		mg/L		101	75 - 125	1	20
Barium	0.19		1.00	1.22		mg/L		103	75 - 125	2	20
Beryllium	ND		0.496	0.541		mg/L		109	75 - 125	1	20
Cadmium	ND		0.500	0.502		mg/L		100	75 - 125	1	20
Calcium	115		25.0	141.6	4	mg/L		106	75 - 125	1	20
Chromium	ND		0.500	0.502		mg/L		100	75 - 125	1	20
Cobalt	0.0029	J	0.500	0.488		mg/L		97	75 - 125	1	20
Copper	0.0036	J	0.500	0.513		mg/L		102	75 - 125	1	20
Iron	2.5	F1 F2	5.12	6.05	F1 F2	mg/L		69	75 - 125	22	20
Lead	ND		0.500	0.484		mg/L		97	75 - 125	1	20
Magnesium	9.4		25.0	34.01		mg/L		98	75 - 125	1	20
Manganese	0.59	F1	0.500	1.24	F1	mg/L		130	75 - 125	7	20
Nickel	0.0025	J	0.500	0.497		mg/L		99	75 - 125	1	20
Potassium	4.6		25.0	30.59		mg/L		104	75 - 125	1	20
Selenium	ND		1.00	0.976		mg/L		98	75 - 125	1	20
Silver	ND	^5-	0.0500	0.0504	^5-	mg/L		101	75 - 125	1	20
Sodium	10		25.0	35.65		mg/L		103	75 - 125	1	20
Thallium	ND		1.00	0.995		mg/L		100	75 - 125	1	20
Vanadium	ND		0.500	0.510		mg/L		102	75 - 125	1	20

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

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

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754886

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Zinc	0.021		0.500	0.530		mg/L		102	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-754795/1-A

Matrix: Water

Analysis Batch: 754858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 754795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/20/25 07:49	08/20/25 11:03	1

Lab Sample ID: LCS 480-754795/2-A

Matrix: Water

Analysis Batch: 754858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 754795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00672		mg/L		100	80 - 120

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 754858

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 754795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00685		mg/L		102	80 - 120

Lab Sample ID: 480-231923-1 MSD

Matrix: Water

Analysis Batch: 754858

Client Sample ID: RI-MW-2 MSD

Prep Type: Total/NA

Prep Batch: 754795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	ND		0.00669	0.00673		mg/L		101	80 - 120	2	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-755238/1-A

Matrix: Water

Analysis Batch: 755246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 755238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		08/25/25 13:30	08/25/25 17:11	1

Lab Sample ID: 480-231923-1 MS

Matrix: Water

Analysis Batch: 755246

Client Sample ID: RI-MW-2 MS

Prep Type: Total/NA

Prep Batch: 755238

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0080	J F1 F2	0.100	0.106		mg/L		98	90 - 110

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-231923-1 MSD							Client Sample ID: RI-MW-2 MSD					
Matrix: Water							Prep Type: Total/NA					
Analysis Batch: 755246							Prep Batch: 755238					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Cyanide, Total	0.0080	J F1 F2	0.100	0.126	F1 F2	mg/L		118	90 - 110	17	15	

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

GC/MS VOA

Analysis Batch: 754841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	8260C	
480-231923-2	RI-BW-1	Total/NA	Water	8260C	
480-231923-3	RI-BW-2	Total/NA	Water	8260C	
MB 480-754841/8	Method Blank	Total/NA	Water	8260C	
LCS 480-754841/6	Lab Control Sample	Total/NA	Water	8260C	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	8260C	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	8260C	

Analysis Batch: 754947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-4	RI-BW-3	Total/NA	Water	8260C	
MB 480-754947/8	Method Blank	Total/NA	Water	8260C	
LCS 480-754947/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 754752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	3510C	
480-231923-2	RI-BW-1	Total/NA	Water	3510C	
480-231923-3	RI-BW-2	Total/NA	Water	3510C	
480-231923-4	RI-BW-3	Total/NA	Water	3510C	
MB 480-754752/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-754752/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	3510C	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	3510C	

Analysis Batch: 754822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	8270D SIM ID	754752
480-231923-2	RI-BW-1	Total/NA	Water	8270D SIM ID	754752
480-231923-3	RI-BW-2	Total/NA	Water	8270D SIM ID	754752
480-231923-4	RI-BW-3	Total/NA	Water	8270D SIM ID	754752
MB 480-754752/1-A	Method Blank	Total/NA	Water	8270D SIM ID	754752
LCS 480-754752/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	754752
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	8270D SIM ID	754752
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	8270D SIM ID	754752

Prep Batch: 754931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	3510C	
480-231923-2	RI-BW-1	Total/NA	Water	3510C	
480-231923-3	RI-BW-2	Total/NA	Water	3510C	
480-231923-4	RI-BW-3	Total/NA	Water	3510C	
MB 480-754931/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-754931/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	3510C	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	3510C	

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

GC/MS Semi VOA

Analysis Batch: 755049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	8270D	754931
480-231923-2	RI-BW-1	Total/NA	Water	8270D	754931
480-231923-3	RI-BW-2	Total/NA	Water	8270D	754931
480-231923-4	RI-BW-3	Total/NA	Water	8270D	754931
MB 480-754931/1-A	Method Blank	Total/NA	Water	8270D	754931
LCS 480-754931/2-A	Lab Control Sample	Total/NA	Water	8270D	754931
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	8270D	754931
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	8270D	754931

GC Semi VOA

Prep Batch: 754826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	3510C	
480-231923-2	RI-BW-1	Total/NA	Water	3510C	
480-231923-3	RI-BW-2	Total/NA	Water	3510C	
480-231923-4	RI-BW-3	Total/NA	Water	3510C	
MB 480-754826/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-754826/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	3510C	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	3510C	

Prep Batch: 754827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	3510C	
480-231923-2	RI-BW-1	Total/NA	Water	3510C	
480-231923-3	RI-BW-2	Total/NA	Water	3510C	
480-231923-4	RI-BW-3	Total/NA	Water	3510C	
MB 480-754827/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-754827/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	3510C	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	3510C	

Analysis Batch: 754918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	8082A	754827
480-231923-2	RI-BW-1	Total/NA	Water	8082A	754827
480-231923-3	RI-BW-2	Total/NA	Water	8082A	754827
480-231923-4	RI-BW-3	Total/NA	Water	8082A	754827
MB 480-754827/1-A	Method Blank	Total/NA	Water	8082A	754827
LCS 480-754827/2-A	Lab Control Sample	Total/NA	Water	8082A	754827
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	8082A	754827
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	8082A	754827

Analysis Batch: 754925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	8081B	754826
480-231923-2	RI-BW-1	Total/NA	Water	8081B	754826
480-231923-3	RI-BW-2	Total/NA	Water	8081B	754826
480-231923-4	RI-BW-3	Total/NA	Water	8081B	754826
MB 480-754826/1-A	Method Blank	Total/NA	Water	8081B	754826

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

GC Semi VOA (Continued)

Analysis Batch: 754925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-754826/2-A	Lab Control Sample	Total/NA	Water	8081B	754826
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	8081B	754826
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	8081B	754826

LCMS

Prep Batch: 689302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	1633	
480-231923-2	RI-BW-1	Total/NA	Water	1633	
480-231923-3	RI-BW-2	Total/NA	Water	1633	
480-231923-4	RI-BW-3	Total/NA	Water	1633	
MB 410-689302/1-A	Method Blank	Total/NA	Water	1633	
LCS 410-689302/2-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 410-689302/3-A	Lab Control Sample	Total/NA	Water	1633	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	1633	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	1633	

Analysis Batch: 689480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	1633	689302
480-231923-2	RI-BW-1	Total/NA	Water	1633	689302
480-231923-3	RI-BW-2	Total/NA	Water	1633	689302
480-231923-4	RI-BW-3	Total/NA	Water	1633	689302
MB 410-689302/1-A	Method Blank	Total/NA	Water	1633	689302
LCS 410-689302/2-A	Lab Control Sample	Total/NA	Water	1633	689302
LLCS 410-689302/3-A	Lab Control Sample	Total/NA	Water	1633	689302
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	1633	689302
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	1633	689302

Metals

Prep Batch: 754778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	3005A	
480-231923-2	RI-BW-1	Total/NA	Water	3005A	
480-231923-3	RI-BW-2	Total/NA	Water	3005A	
480-231923-4	RI-BW-3	Total/NA	Water	3005A	
MB 480-754778/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-754778/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	3005A	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	3005A	

Prep Batch: 754795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	7470A	
480-231923-2	RI-BW-1	Total/NA	Water	7470A	
480-231923-3	RI-BW-2	Total/NA	Water	7470A	
480-231923-4	RI-BW-3	Total/NA	Water	7470A	
MB 480-754795/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-754795/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	7470A	

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Metals (Continued)

Prep Batch: 754795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	7470A	

Analysis Batch: 754858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	7470A	754795
480-231923-2	RI-BW-1	Total/NA	Water	7470A	754795
480-231923-3	RI-BW-2	Total/NA	Water	7470A	754795
480-231923-4	RI-BW-3	Total/NA	Water	7470A	754795
MB 480-754795/1-A	Method Blank	Total/NA	Water	7470A	754795
LCS 480-754795/2-A	Lab Control Sample	Total/NA	Water	7470A	754795
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	7470A	754795
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	7470A	754795

Analysis Batch: 754886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	6010D	754778
480-231923-2	RI-BW-1	Total/NA	Water	6010D	754778
480-231923-3	RI-BW-2	Total/NA	Water	6010D	754778
480-231923-4	RI-BW-3	Total/NA	Water	6010D	754778
MB 480-754778/1-A	Method Blank	Total/NA	Water	6010D	754778
LCS 480-754778/2-A	Lab Control Sample	Total/NA	Water	6010D	754778
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	6010D	754778
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	6010D	754778

General Chemistry

Prep Batch: 755238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	9012B	
480-231923-2	RI-BW-1	Total/NA	Water	9012B	
480-231923-3	RI-BW-2	Total/NA	Water	9012B	
480-231923-4	RI-BW-3	Total/NA	Water	9012B	
MB 480-755238/1-A	Method Blank	Total/NA	Water	9012B	
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	9012B	
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	9012B	

Analysis Batch: 755246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231923-1	RI-MW-2	Total/NA	Water	9012B	755238
480-231923-2	RI-BW-1	Total/NA	Water	9012B	755238
480-231923-3	RI-BW-2	Total/NA	Water	9012B	755238
480-231923-4	RI-BW-3	Total/NA	Water	9012B	755238
MB 480-755238/1-A	Method Blank	Total/NA	Water	9012B	755238
480-231923-1 MS	RI-MW-2 MS	Total/NA	Water	9012B	755238
480-231923-1 MSD	RI-MW-2 MSD	Total/NA	Water	9012B	755238

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-MW-2

Lab Sample ID: 480-231923-1

Date Collected: 08/18/25 12:00

Matrix: Water

Date Received: 08/18/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	754841	AXK	EET BUF	08/20/25 16:22
Total/NA	Prep	3510C			754931	JMP	EET BUF	08/21/25 07:54
Total/NA	Analysis	8270D		1	755049	JMM	EET BUF	08/22/25 16:34
Total/NA	Prep	3510C			754752	LSC	EET BUF	08/19/25 13:32
Total/NA	Analysis	8270D SIM ID		1	754822	JMM	EET BUF	08/20/25 11:48
Total/NA	Prep	3510C			754826	JMP	EET BUF	08/20/25 08:47
Total/NA	Analysis	8081B		1	754925	JLS	EET BUF	08/21/25 14:45
Total/NA	Prep	3510C			754827	JMP	EET BUF	08/20/25 08:52
Total/NA	Analysis	8082A		1	754918	J1B	EET BUF	08/21/25 14:09
Total/NA	Prep	1633			689302	GY3C	ELLE	08/22/25 12:04
Total/NA	Analysis	1633		1	689480	JU9U	ELLE	08/22/25 22:16
Total/NA	Prep	3005A			754778	EMO	EET BUF	08/20/25 08:10
Total/NA	Analysis	6010D		1	754886	MP	EET BUF	08/20/25 13:48
Total/NA	Prep	7470A			754795	ESB	EET BUF	08/20/25 07:49
Total/NA	Analysis	7470A		1	754858	ESB	EET BUF	08/20/25 11:06
Total/NA	Prep	9012B			755238	IMZ	EET BUF	08/25/25 13:30
Total/NA	Analysis	9012B		1	755246	IMZ	EET BUF	08/25/25 16:00

Client Sample ID: RI-BW-1

Lab Sample ID: 480-231923-2

Date Collected: 08/18/25 14:00

Matrix: Water

Date Received: 08/18/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	754841	AXK	EET BUF	08/20/25 16:45
Total/NA	Prep	3510C			754931	JMP	EET BUF	08/21/25 07:54
Total/NA	Analysis	8270D		1	755049	JMM	EET BUF	08/22/25 17:02
Total/NA	Prep	3510C			754752	LSC	EET BUF	08/19/25 13:32
Total/NA	Analysis	8270D SIM ID		1	754822	JMM	EET BUF	08/20/25 13:11
Total/NA	Prep	3510C			754826	JMP	EET BUF	08/20/25 08:47
Total/NA	Analysis	8081B		1	754925	JLS	EET BUF	08/21/25 15:04
Total/NA	Prep	3510C			754827	JMP	EET BUF	08/20/25 08:52
Total/NA	Analysis	8082A		1	754918	J1B	EET BUF	08/21/25 14:28
Total/NA	Prep	1633			689302	GY3C	ELLE	08/22/25 12:04
Total/NA	Analysis	1633		1	689480	JU9U	ELLE	08/22/25 22:57
Total/NA	Prep	3005A			754778	EMO	EET BUF	08/20/25 08:10
Total/NA	Analysis	6010D		1	754886	MP	EET BUF	08/20/25 14:04
Total/NA	Prep	7470A			754795	ESB	EET BUF	08/20/25 07:49
Total/NA	Analysis	7470A		1	754858	ESB	EET BUF	08/20/25 11:11
Total/NA	Prep	9012B			755238	IMZ	EET BUF	08/25/25 13:30
Total/NA	Analysis	9012B		1	755246	IMZ	EET BUF	08/25/25 16:01

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Client Sample ID: RI-BW-2

Lab Sample ID: 480-231923-3

Date Collected: 08/18/25 13:30

Matrix: Water

Date Received: 08/18/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	754841	AXK	EET BUF	08/20/25 17:07
Total/NA	Prep	3510C			754931	JMP	EET BUF	08/21/25 07:54
Total/NA	Analysis	8270D		1	755049	JMM	EET BUF	08/22/25 17:30
Total/NA	Prep	3510C			754752	LSC	EET BUF	08/19/25 13:32
Total/NA	Analysis	8270D SIM ID		1	754822	JMM	EET BUF	08/20/25 13:32
Total/NA	Prep	3510C			754826	JMP	EET BUF	08/20/25 08:47
Total/NA	Analysis	8081B		1	754925	JLS	EET BUF	08/21/25 15:24
Total/NA	Prep	3510C			754827	JMP	EET BUF	08/20/25 08:52
Total/NA	Analysis	8082A		1	754918	J1B	EET BUF	08/21/25 14:46
Total/NA	Prep	1633			689302	GY3C	ELLE	08/22/25 12:04
Total/NA	Analysis	1633		1	689480	JU9U	ELLE	08/22/25 23:11
Total/NA	Prep	3005A			754778	EMO	EET BUF	08/20/25 08:10
Total/NA	Analysis	6010D		1	754886	MP	EET BUF	08/20/25 14:06
Total/NA	Prep	7470A			754795	ESB	EET BUF	08/20/25 07:49
Total/NA	Analysis	7470A		1	754858	ESB	EET BUF	08/20/25 11:12
Total/NA	Prep	9012B			755238	IMZ	EET BUF	08/25/25 13:30
Total/NA	Analysis	9012B		1	755246	IMZ	EET BUF	08/25/25 16:02

Client Sample ID: RI-BW-3

Lab Sample ID: 480-231923-4

Date Collected: 08/18/25 13:00

Matrix: Water

Date Received: 08/18/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	754947	ATG	EET BUF	08/21/25 14:31
Total/NA	Prep	3510C			754931	JMP	EET BUF	08/21/25 07:54
Total/NA	Analysis	8270D		1	755049	JMM	EET BUF	08/22/25 17:58
Total/NA	Prep	3510C			754752	LSC	EET BUF	08/19/25 13:32
Total/NA	Analysis	8270D SIM ID		1	754822	JMM	EET BUF	08/20/25 13:53
Total/NA	Prep	3510C			754826	JMP	EET BUF	08/20/25 08:47
Total/NA	Analysis	8081B		1	754925	JLS	EET BUF	08/21/25 15:43
Total/NA	Prep	3510C			754827	JMP	EET BUF	08/20/25 08:52
Total/NA	Analysis	8082A		1	754918	J1B	EET BUF	08/21/25 15:41
Total/NA	Prep	1633			689302	GY3C	ELLE	08/22/25 12:04
Total/NA	Analysis	1633		1	689480	JU9U	ELLE	08/22/25 23:24
Total/NA	Prep	3005A			754778	EMO	EET BUF	08/20/25 08:10
Total/NA	Analysis	6010D		1	754886	MP	EET BUF	08/20/25 14:08
Total/NA	Prep	7470A			754795	ESB	EET BUF	08/20/25 07:49
Total/NA	Analysis	7470A		1	754858	ESB	EET BUF	08/20/25 11:13
Total/NA	Prep	9012B			755238	IMZ	EET BUF	08/25/25 13:30
Total/NA	Analysis	9012B		1	755246	IMZ	EET BUF	08/25/25 16:04

Laboratory References:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Buffalo

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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
1633	1633	Water	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633	Water	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633	Water	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633	Water	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633	Water	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633	Water	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633	Water	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633	Water	Perfluorodecanesulfonic acid (PFDS)
1633	1633	Water	Perfluorododecanesulfonic acid (PFDoS)
1633	1633	Water	Perfluorononanesulfonic acid (PFNS)
1633	1633	Water	Perfluorooctanesulfonamide (PFOSA)

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
1633	Solid-Phase Extraction (SPE)	EPA	ELLE
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 2nd & Washington Street

Job ID: 480-231923-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231923-1	RI-MW-2	Water	08/18/25 12:00	08/18/25 17:15	New York
480-231923-2	RI-BW-1	Water	08/18/25 14:00	08/18/25 17:15	New York
480-231923-3	RI-BW-2	Water	08/18/25 13:30	08/18/25 17:15	New York
480-231923-4	RI-BW-3	Water	08/18/25 13:00	08/18/25 17:15	New York

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Eurofins Environment Testing America
COC No: 480-205003-41794[illegible]

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Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231923-1

Login Number: 231923

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	2.6,3.6 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.	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.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-231923-1

Login Number: 231923

List Number: 2

Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 08/20/25 11:12 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	