

Appendix O

Laboratory Analytical Soil Samples

Appendix O.1

Post Excavation Soil Sampling Laboratory Results



ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

SPLP - Washington Crossing

JOB NUMBER

410-206485-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.

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: Groundwater & Environmental Services Inc
Project: SPLP - Washington Crossing

Job ID: 410-206485-1

Job ID: 410-206485-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-206485-1

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 2/4/2025 6:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

GC/MS VOA

Method 8260D: The following sample needs to be re-prepped due to the submitted vials were not usable: PE-7 (410-206485-7)

Method 8260D: The following samples were diluted due to the nature of the sample matrix: PE-1 (410-206485-1), PE-4 (410-206485-4) and PE-7 (410-206485-7). Elevated reporting limits (RLs) are provided.

Method 8260D: Surrogate recovery for the following samples were outside control limits: PE-1 (410-206485-1) and PE-7 (410-206485-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: Surrogate recovery for 4-Bromofluorobenzene (Surr) was outside acceptance criteria for the continuing calibration verification (CCV) on analytical batch 410-605912.

Method 8260D: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: PE-3 (410-206485-3), PE-5 (410-206485-5), PE-6 (410-206485-6) and PE-8 (410-206485-8). 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.

Metals

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

General Chemistry

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

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-1

Lab Sample ID: 410-206485-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	19000	cn	6400	510	ug/Kg	1000	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	110000	cn	6400	640	ug/Kg	1000	✱	8260D	Total/NA
Toluene	15000	cn	6400	760	ug/Kg	1000	✱	8260D	Total/NA
Xylenes, Total	160000	cn	6400	1800	ug/Kg	1000	✱	8260D	Total/NA
Naphthalene	87000	cn	6400	2500	ug/Kg	1000	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	290000	cn	6400	760	ug/Kg	1000	✱	8260D	Total/NA
Isopropylbenzene	16000	cn	6400	760	ug/Kg	1000	✱	8260D	Total/NA
Lead	25		0.22	0.085	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-2

Lab Sample ID: 410-206485-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	12		6.1	1.8	ug/Kg	1	✱	8260D	Total/NA
Xylenes, Total	7.6	J	12	0.86	ug/Kg	1	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	21		6.1	1.2	ug/Kg	1	✱	8260D	Total/NA
Lead	36		0.23	0.087	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-3

Lab Sample ID: 410-206485-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	40		0.20	0.078	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-4

Lab Sample ID: 410-206485-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	600	J cn	2900	290	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	1100	J cn	2900	340	ug/Kg	500	✱	8260D	Total/NA
Lead	22		0.20	0.075	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-5

Lab Sample ID: 410-206485-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	45	J cn	310	31	ug/Kg	50	✱	8260D	Total/NA
Lead	15		0.17	0.064	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-6

Lab Sample ID: 410-206485-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	24		0.21	0.081	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-7

Lab Sample ID: 410-206485-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	5400	cn	3200	260	ug/Kg	500	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	53000	cn	3200	320	ug/Kg	500	✱	8260D	Total/NA
Toluene	1900	J cn	3200	390	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	51000	cn	3200	900	ug/Kg	500	✱	8260D	Total/NA
Naphthalene	5400	cn	3200	1300	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	120000	cn	3200	390	ug/Kg	500	✱	8260D	Total/NA
Isopropylbenzene	5500	cn	3200	390	ug/Kg	500	✱	8260D	Total/NA
Lead	28		0.22	0.083	mg/Kg	2	✱	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-8

Lab Sample ID: 410-206485-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	20		0.21	0.081	mg/Kg	2	☆	6020B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-206485-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-1

Lab Sample ID: 410-206485-1

Date Collected: 02/04/25 08:15

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	19000	cn	6400	510	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2-Dichloroethane	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,3,5-Trimethylbenzene	110000	cn	6400	640	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Toluene	15000	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Xylenes, Total	160000	cn	6400	1800	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Methyl tertiary butyl ether	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Benzene	ND	cn	6400	640	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Naphthalene	87000	cn	6400	2500	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2,4-Trimethylbenzene	290000	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Isopropylbenzene	16000	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2-Dibromoethane	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81	cn	54 - 135				02/07/25 16:03	02/14/25 00:20	1000
4-Bromofluorobenzene (Surr)	263	^c S1+ cn	50 - 131				02/07/25 16:03	02/14/25 00:20	1000
Dibromofluoromethane (Surr)	79	cn	50 - 141				02/07/25 16:03	02/14/25 00:20	1000
Toluene-d8 (Surr)	112	cn	52 - 141				02/07/25 16:03	02/14/25 00:20	1000

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.22	0.085	mg/Kg	☼	02/13/25 22:00	02/17/25 22:37	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.9	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-2

Lab Sample ID: 410-206485-2

Date Collected: 02/04/25 08:25

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		6.1	1.2	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
1,2-Dichloroethane	ND		6.1	0.74	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
1,3,5-Trimethylbenzene	12		6.1	1.8	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Toluene	ND		6.1	1.2	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Xylenes, Total	7.6	J	12	0.86	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Methyl tertiary butyl ether	ND		6.1	0.98	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Benzene	ND		6.1	0.98	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Naphthalene	ND		6.1	2.5	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
1,2,4-Trimethylbenzene	21		6.1	1.2	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
Isopropylbenzene	ND		6.1	1.8	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1
1,2-Dibromoethane	ND		6.1	0.86	ug/Kg	✱	02/07/25 15:36	02/10/25 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		54 - 135	02/07/25 15:36	02/10/25 19:03	1
4-Bromofluorobenzene (Surr)	94		50 - 131	02/07/25 15:36	02/10/25 19:03	1
Dibromofluoromethane (Surr)	110		50 - 141	02/07/25 15:36	02/10/25 19:03	1
Toluene-d8 (Surr)	90		52 - 141	02/07/25 15:36	02/10/25 19:03	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36		0.23	0.087	mg/Kg	✱	02/13/25 22:00	02/19/25 09:38	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.8	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-3

Lab Sample ID: 410-206485-3

Date Collected: 02/04/25 08:30

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	340	27	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
1,2-Dichloroethane	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
1,3,5-Trimethylbenzene	ND	cn	340	34	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Toluene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Xylenes, Total	ND	cn	340	96	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Methyl tertiary butyl ether	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Benzene	ND	cn	340	34	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Naphthalene	ND	cn	340	140	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
1,2,4-Trimethylbenzene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
Isopropylbenzene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50
1,2-Dibromoethane	ND	cn	340	41	ug/Kg	✱	02/07/25 16:03	02/13/25 22:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93	cn	54 - 135	02/07/25 16:03	02/13/25 22:57	50
4-Bromofluorobenzene (Surr)	89	^c cn	50 - 131	02/07/25 16:03	02/13/25 22:57	50
Dibromofluoromethane (Surr)	93	cn	50 - 141	02/07/25 16:03	02/13/25 22:57	50
Toluene-d8 (Surr)	90	cn	52 - 141	02/07/25 16:03	02/13/25 22:57	50

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		0.20	0.078	mg/Kg	✱	02/13/25 22:00	02/17/25 23:06	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	18.6	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-4

Lab Sample ID: 410-206485-4

Date Collected: 02/04/25 08:35

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	2900	230	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
1,2-Dichloroethane	ND	cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
1,3,5-Trimethylbenzene	600	J cn	2900	290	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Toluene	ND	cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Xylenes, Total	ND	cn	2900	800	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Methyl tertiary butyl ether	ND	cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Benzene	ND	cn	2900	290	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Naphthalene	ND	cn	2900	1100	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
1,2,4-Trimethylbenzene	1100	J cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
Isopropylbenzene	ND	cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500
1,2-Dibromoethane	ND	cn	2900	340	ug/Kg	✱	02/07/25 16:46	02/13/25 23:39	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92	cn	54 - 135	02/07/25 16:46	02/13/25 23:39	500
4-Bromofluorobenzene (Surr)	87	^c cn	50 - 131	02/07/25 16:46	02/13/25 23:39	500
Dibromofluoromethane (Surr)	87	cn	50 - 141	02/07/25 16:46	02/13/25 23:39	500
Toluene-d8 (Surr)	85	cn	52 - 141	02/07/25 16:46	02/13/25 23:39	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		0.20	0.075	mg/Kg	✱	02/13/25 22:00	02/17/25 23:02	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.7	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-5

Lab Sample ID: 410-206485-5

Date Collected: 02/04/25 08:40

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	310	25	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
1,2-Dichloroethane	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
1,3,5-Trimethylbenzene	45	J cn	310	31	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Toluene	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Xylenes, Total	ND	cn	310	87	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Methyl tertiary butyl ether	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Benzene	ND	cn	310	31	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Naphthalene	ND	cn	310	120	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
1,2,4-Trimethylbenzene	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
Isopropylbenzene	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50
1,2-Dibromoethane	ND	cn	310	37	ug/Kg	✱	02/07/25 16:46	02/13/25 23:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	cn	54 - 135	02/07/25 16:46	02/13/25 23:18	50
4-Bromofluorobenzene (Surr)	90	^c cn	50 - 131	02/07/25 16:46	02/13/25 23:18	50
Dibromofluoromethane (Surr)	95	cn	50 - 141	02/07/25 16:46	02/13/25 23:18	50
Toluene-d8 (Surr)	92	cn	52 - 141	02/07/25 16:46	02/13/25 23:18	50

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.17	0.064	mg/Kg	✱	02/13/25 22:00	02/17/25 22:41	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.9	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-6

Lab Sample ID: 410-206485-6

Date Collected: 02/04/25 08:45

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	340	27	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
1,2-Dichloroethane	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
1,3,5-Trimethylbenzene	ND	cn	340	34	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Toluene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Xylenes, Total	ND	cn	340	96	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Methyl tertiary butyl ether	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Benzene	ND	cn	340	34	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Naphthalene	ND	cn	340	140	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
1,2,4-Trimethylbenzene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
Isopropylbenzene	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50
1,2-Dibromoethane	ND	cn	340	41	ug/Kg	✱	02/07/25 16:46	02/13/25 22:16	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	cn	54 - 135	02/07/25 16:46	02/13/25 22:16	50
4-Bromofluorobenzene (Surr)	91	^c cn	50 - 131	02/07/25 16:46	02/13/25 22:16	50
Dibromofluoromethane (Surr)	98	cn	50 - 141	02/07/25 16:46	02/13/25 22:16	50
Toluene-d8 (Surr)	93	cn	52 - 141	02/07/25 16:46	02/13/25 22:16	50

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		0.21	0.081	mg/Kg	✱	02/13/25 22:00	02/17/25 22:49	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.7	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-7

Lab Sample ID: 410-206485-7

Date Collected: 02/04/25 08:50

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	5400	cn	3200	260	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
1,2-Dichloroethane	ND	cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
1,3,5-Trimethylbenzene	53000	cn	3200	320	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Toluene	1900	J cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Xylenes, Total	51000	cn	3200	900	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Methyl tertiary butyl ether	ND	cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Benzene	ND	cn	3200	320	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Naphthalene	5400	cn	3200	1300	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
1,2,4-Trimethylbenzene	120000	cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
Isopropylbenzene	5500	cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500
1,2-Dibromoethane	ND	cn	3200	390	ug/Kg	✱	02/11/25 22:35	02/13/25 23:59	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	cn	54 - 135	02/11/25 22:35	02/13/25 23:59	500
4-Bromofluorobenzene (Surr)	213	^c S1+ cn	50 - 131	02/11/25 22:35	02/13/25 23:59	500
Dibromofluoromethane (Surr)	90	cn	50 - 141	02/11/25 22:35	02/13/25 23:59	500
Toluene-d8 (Surr)	115	cn	52 - 141	02/11/25 22:35	02/13/25 23:59	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		0.22	0.083	mg/Kg	✱	02/16/25 21:00	02/17/25 18:00	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.3	!	1.0	1.0	%	-		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-8

Lab Sample ID: 410-206485-8

Date Collected: 02/04/25 08:55

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	300	24	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
1,2-Dichloroethane	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
1,3,5-Trimethylbenzene	ND	cn	300	30	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Toluene	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Xylenes, Total	ND	cn	300	83	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Methyl tertiary butyl ether	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Benzene	ND	cn	300	30	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Naphthalene	ND	cn	300	120	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
1,2,4-Trimethylbenzene	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
Isopropylbenzene	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50
1,2-Dibromoethane	ND	cn	300	36	ug/Kg	✱	02/07/25 16:46	02/13/25 22:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94	cn	54 - 135	02/07/25 16:46	02/13/25 22:37	50
4-Bromofluorobenzene (Surr)	89	^c cn	50 - 131	02/07/25 16:46	02/13/25 22:37	50
Dibromofluoromethane (Surr)	93	cn	50 - 141	02/07/25 16:46	02/13/25 22:37	50
Toluene-d8 (Surr)	89	cn	52 - 141	02/07/25 16:46	02/13/25 22:37	50

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		0.21	0.081	mg/Kg	✱	02/13/25 22:00	02/17/25 22:45	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.4	!	1.0	1.0	%	—		02/07/25 13:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-206485-9

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 18:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/12/25 12:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Toluene	ND		1.0	0.30	ug/L			02/12/25 12:48	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:48	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/12/25 12:48	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/12/25 12:48	1
Benzene	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Naphthalene	ND		5.0	1.0	ug/L			02/12/25 12:48	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/12/25 12:48	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					02/12/25 12:48	1
4-Bromofluorobenzene (Surr)	93		80 - 120					02/12/25 12:48	1
Dibromofluoromethane (Surr)	107		80 - 120					02/12/25 12:48	1
Toluene-d8 (Surr)	97		80 - 120					02/12/25 12:48	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (54-135)	BFB (50-131)	DBFM (50-141)	TOL (52-141)
410-206485-1	PE-1	81 cn	263 ^c S1+ cn	79 cn	112 cn
410-206485-2	PE-2	113	94	110	90
410-206485-3	PE-3	93 cn	89 ^c cn	93 cn	90 cn
410-206485-4	PE-4	92 cn	87 ^c cn	87 cn	85 cn
410-206485-5	PE-5	95 cn	90 ^c cn	95 cn	92 cn
410-206485-6	PE-6	98 cn	91 ^c cn	98 cn	93 cn
410-206485-7	PE-7	97 cn	213 ^c S1+ cn	90 cn	115 cn
410-206485-8	PE-8	94 cn	89 ^c cn	93 cn	89 cn
LCS 410-604127/5	Lab Control Sample	112	94	109	94
LCS 410-605912/6	Lab Control Sample	103	95	103	96
LCSD 410-604127/6	Lab Control Sample Dup	110	93	108	92
LCSD 410-605912/8	Lab Control Sample Dup	104	97	102	96
MB 410-604127/7	Method Blank	110	90	108	90
MB 410-605912/7	Method Blank	102	90	97	94

Surrogate Legend

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

Method: 8260D/UST - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-206485-9	Trip Blank	99	93	107	97
LCS 410-605184/4	Lab Control Sample	101	95	105	96
LCSD 410-605184/5	Lab Control Sample Dup	99	95	104	96
MB 410-605184/6	Method Blank	99	93	105	96

Surrogate Legend

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

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Lab Sample ID: MB 410-604127/7

Matrix: Solid

Analysis Batch: 604127

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	1.0	ug/Kg			02/10/25 13:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/Kg			02/10/25 13:14	1
1,3,5-Trimethylbenzene	ND		5.0	1.5	ug/Kg			02/10/25 13:14	1
Toluene	ND		5.0	1.0	ug/Kg			02/10/25 13:14	1
Xylenes, Total	ND		10	0.70	ug/Kg			02/10/25 13:14	1
Methyl tertiary butyl ether	ND		5.0	0.80	ug/Kg			02/10/25 13:14	1
Benzene	ND		5.0	0.80	ug/Kg			02/10/25 13:14	1
Naphthalene	ND		5.0	2.0	ug/Kg			02/10/25 13:14	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/Kg			02/10/25 13:14	1
Isopropylbenzene	ND		5.0	1.5	ug/Kg			02/10/25 13:14	1
1,2-Dibromoethane	ND		5.0	0.70	ug/Kg			02/10/25 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		54 - 135		02/10/25 13:14	1
4-Bromofluorobenzene (Surr)	90		50 - 131		02/10/25 13:14	1
Dibromofluoromethane (Surr)	108		50 - 141		02/10/25 13:14	1
Toluene-d8 (Surr)	90		52 - 141		02/10/25 13:14	1

Lab Sample ID: LCS 410-604127/5

Matrix: Solid

Analysis Batch: 604127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	16.4		ug/Kg		82	72 - 118
1,2-Dichloroethane	20.0	18.3		ug/Kg		92	72 - 124
1,3,5-Trimethylbenzene	20.0	16.2		ug/Kg		81	73 - 120
Toluene	20.0	16.3		ug/Kg		81	71 - 120
Xylenes, Total	60.0	49.9		ug/Kg		83	75 - 120
Methyl tertiary butyl ether	20.0	17.3		ug/Kg		86	63 - 120
Benzene	20.0	17.2		ug/Kg		86	80 - 120
Naphthalene	20.0	17.5		ug/Kg		88	48 - 130
1,2,4-Trimethylbenzene	20.0	15.9		ug/Kg		79	73 - 120
Isopropylbenzene	20.0	18.0		ug/Kg		90	77 - 120
1,2-Dibromoethane	20.0	18.6		ug/Kg		93	76 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		54 - 135
4-Bromofluorobenzene (Surr)	94		50 - 131
Dibromofluoromethane (Surr)	109		50 - 141
Toluene-d8 (Surr)	94		52 - 141

Lab Sample ID: LCSD 410-604127/6

Matrix: Solid

Analysis Batch: 604127

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	18.2		ug/Kg		91	72 - 118	10	30
1,2-Dichloroethane	20.0	20.7		ug/Kg		104	72 - 124	12	30

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Lab Sample ID: LCSD 410-604127/6

Matrix: Solid

Analysis Batch: 604127

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	20.0	17.6		ug/Kg		88	73 - 120	8	30
Toluene	20.0	18.1		ug/Kg		91	71 - 120	11	30
Xylenes, Total	60.0	55.9		ug/Kg		93	75 - 120	11	30
Methyl tertiary butyl ether	20.0	19.3		ug/Kg		96	63 - 120	11	30
Benzene	20.0	19.4		ug/Kg		97	80 - 120	12	30
Naphthalene	20.0	18.8		ug/Kg		94	48 - 130	7	30
1,2,4-Trimethylbenzene	20.0	17.1		ug/Kg		86	73 - 120	8	30
Isopropylbenzene	20.0	19.8		ug/Kg		99	77 - 120	10	30
1,2-Dibromoethane	20.0	20.0		ug/Kg		100	76 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		54 - 135
4-Bromofluorobenzene (Surr)	93		50 - 131
Dibromofluoromethane (Surr)	108		50 - 141
Toluene-d8 (Surr)	92		52 - 141

Lab Sample ID: MB 410-605912/7

Matrix: Solid

Analysis Batch: 605912

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		250	20	ug/Kg			02/13/25 20:12	50
1,2-Dichloroethane	ND		250	30	ug/Kg			02/13/25 20:12	50
1,3,5-Trimethylbenzene	ND		250	25	ug/Kg			02/13/25 20:12	50
Toluene	ND		250	30	ug/Kg			02/13/25 20:12	50
Xylenes, Total	ND		250	70	ug/Kg			02/13/25 20:12	50
Methyl tertiary butyl ether	ND		250	30	ug/Kg			02/13/25 20:12	50
Benzene	ND		250	25	ug/Kg			02/13/25 20:12	50
Naphthalene	ND		250	100	ug/Kg			02/13/25 20:12	50
1,2,4-Trimethylbenzene	ND		250	30	ug/Kg			02/13/25 20:12	50
Isopropylbenzene	ND		250	30	ug/Kg			02/13/25 20:12	50
1,2-Dibromoethane	ND		250	30	ug/Kg			02/13/25 20:12	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		54 - 135		02/13/25 20:12	50
4-Bromofluorobenzene (Surr)	90		50 - 131		02/13/25 20:12	50
Dibromofluoromethane (Surr)	97		50 - 141		02/13/25 20:12	50
Toluene-d8 (Surr)	94		52 - 141		02/13/25 20:12	50

Lab Sample ID: LCS 410-605912/6

Matrix: Solid

Analysis Batch: 605912

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1000	944		ug/Kg		94	72 - 118
1,2-Dichloroethane	1000	1010		ug/Kg		101	72 - 124
1,3,5-Trimethylbenzene	1000	929		ug/Kg		93	73 - 120
Toluene	1000	961		ug/Kg		96	71 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Lab Sample ID: LCS 410-605912/6

Matrix: Solid

Analysis Batch: 605912

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	3000	2890		ug/Kg		96	75 - 120
Methyl tertiary butyl ether	1000	921		ug/Kg		92	63 - 120
Benzene	1000	971		ug/Kg		97	80 - 120
Naphthalene	1000	898		ug/Kg		90	68 - 130
1,2,4-Trimethylbenzene	1000	905		ug/Kg		90	68 - 120
Isopropylbenzene	1000	1090		ug/Kg		109	77 - 120
1,2-Dibromoethane	1000	945		ug/Kg		94	76 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		54 - 135
4-Bromofluorobenzene (Surr)	95		50 - 131
Dibromofluoromethane (Surr)	103		50 - 141
Toluene-d8 (Surr)	96		52 - 141

Lab Sample ID: LCSD 410-605912/8

Matrix: Solid

Analysis Batch: 605912

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	1000	939		ug/Kg		94	72 - 118	1	30
1,2-Dichloroethane	1000	1000		ug/Kg		100	72 - 124	1	30
1,3,5-Trimethylbenzene	1000	934		ug/Kg		93	73 - 120	0	30
Toluene	1000	953		ug/Kg		95	71 - 120	1	30
Xylenes, Total	3000	2900		ug/Kg		97	75 - 120	0	30
Methyl tertiary butyl ether	1000	931		ug/Kg		93	63 - 120	1	30
Benzene	1000	955		ug/Kg		95	80 - 120	2	30
Naphthalene	1000	926		ug/Kg		93	68 - 130	3	30
1,2,4-Trimethylbenzene	1000	921		ug/Kg		92	68 - 120	2	30
Isopropylbenzene	1000	1070		ug/Kg		107	77 - 120	1	30
1,2-Dibromoethane	1000	958		ug/Kg		96	76 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		54 - 135
4-Bromofluorobenzene (Surr)	97		50 - 131
Dibromofluoromethane (Surr)	102		50 - 141
Toluene-d8 (Surr)	96		52 - 141

Method: 8260D/UST - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-605184/6

Matrix: Water

Analysis Batch: 605184

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/12/25 12:24	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/12/25 12:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/12/25 12:24	1
Toluene	ND		1.0	0.30	ug/L			02/12/25 12:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Lab Sample ID: MB 410-605184/6

Matrix: Water

Analysis Batch: 605184

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:24	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/12/25 12:24	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/12/25 12:24	1
Benzene	ND		1.0	0.30	ug/L			02/12/25 12:24	1
Naphthalene	ND		5.0	1.0	ug/L			02/12/25 12:24	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/12/25 12:24	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		02/12/25 12:24	1
4-Bromofluorobenzene (Surr)	93		80 - 120		02/12/25 12:24	1
Dibromofluoromethane (Surr)	105		80 - 120		02/12/25 12:24	1
Toluene-d8 (Surr)	96		80 - 120		02/12/25 12:24	1

Lab Sample ID: LCS 410-605184/4

Matrix: Water

Analysis Batch: 605184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	20.0	18.0		ug/L		90	77 - 120
Ethylbenzene	20.0	19.9		ug/L		99	80 - 120
1,2-Dichloroethane	20.0	19.8		ug/L		99	73 - 124
Toluene	20.0	19.5		ug/L		97	80 - 120
1,3,5-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
Xylenes, Total	60.0	61.0		ug/L		102	80 - 120
Methyl tertiary butyl ether	20.0	19.7		ug/L		98	69 - 122
Benzene	20.0	20.1		ug/L		101	80 - 120
Naphthalene	20.0	17.3		ug/L		87	53 - 124
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120
Isopropylbenzene	20.0	20.6		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: LCSD 410-605184/5

Matrix: Water

Analysis Batch: 605184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	20.0	19.3		ug/L		97	77 - 120	7	30
Ethylbenzene	20.0	21.2		ug/L		106	80 - 120	6	30
1,2-Dichloroethane	20.0	20.8		ug/L		104	73 - 124	5	30
Toluene	20.0	21.1		ug/L		106	80 - 120	8	30
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		102	75 - 120	8	30
Xylenes, Total	60.0	65.6		ug/L		109	80 - 120	7	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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

Lab Sample ID: LCSD 410-605184/5

Matrix: Water

Analysis Batch: 605184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tertiary butyl ether	20.0	19.6		ug/L		98	69 - 122	0	30
Benzene	20.0	21.4		ug/L		107	80 - 120	6	30
Naphthalene	20.0	17.1		ug/L		85	53 - 124	1	30
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		103	75 - 120	7	30
Isopropylbenzene	20.0	22.0		ug/L		110	80 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-605050/1-A ^2

Matrix: Solid

Analysis Batch: 607805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.20	0.076	mg/Kg		02/13/25 22:00	02/19/25 09:01	2

Lab Sample ID: LCS 410-605050/2-A ^2

Matrix: Solid

Analysis Batch: 607805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605050

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.53		mg/Kg		111	88 - 117

Lab Sample ID: MB 410-605051/1-A ^2

Matrix: Solid

Analysis Batch: 606990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.20	0.076	mg/Kg		02/13/25 22:00	02/17/25 20:36	2

Lab Sample ID: LCS 410-605051/2-A ^2

Matrix: Solid

Analysis Batch: 606990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.36		mg/Kg		107	88 - 117

Lab Sample ID: MB 410-606428/1-A ^2

Matrix: Solid

Analysis Batch: 606990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 606428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.20	0.076	mg/Kg		02/16/25 21:00	02/17/25 15:46	2

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-606428/2-A ^2				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 606990				Prep Batch: 606428			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.18		mg/Kg		104	88 - 117

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

GC/MS VOA

Prep Batch: 603750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-2	PE-2	Total/NA	Solid	5035	

Prep Batch: 603754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-1	PE-1	Total/NA	Solid	5035	
410-206485-3	PE-3	Total/NA	Solid	5035	
410-206485-4	PE-4	Total/NA	Solid	5035	
410-206485-5	PE-5	Total/NA	Solid	5035	
410-206485-6	PE-6	Total/NA	Solid	5035	
410-206485-8	PE-8	Total/NA	Solid	5035	

Analysis Batch: 604127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-2	PE-2	Total/NA	Solid	8260D	603750
MB 410-604127/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-604127/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-604127/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 605024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-7	PE-7	Total/NA	Solid	5030C	

Analysis Batch: 605184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-9	Trip Blank	Total/NA	Water	8260D/UST	
MB 410-605184/6	Method Blank	Total/NA	Water	8260D/UST	
LCS 410-605184/4	Lab Control Sample	Total/NA	Water	8260D/UST	
LCSD 410-605184/5	Lab Control Sample Dup	Total/NA	Water	8260D/UST	

Analysis Batch: 605912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-1	PE-1	Total/NA	Solid	8260D	603754
410-206485-3	PE-3	Total/NA	Solid	8260D	603754
410-206485-4	PE-4	Total/NA	Solid	8260D	603754
410-206485-5	PE-5	Total/NA	Solid	8260D	603754
410-206485-6	PE-6	Total/NA	Solid	8260D	603754
410-206485-7	PE-7	Total/NA	Solid	8260D	605024
410-206485-8	PE-8	Total/NA	Solid	8260D	603754
MB 410-605912/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-605912/6	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-605912/8	Lab Control Sample Dup	Total/NA	Solid	8260D	

Metals

Prep Batch: 605050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-2	PE-2	Total/NA	Solid	3050B	
MB 410-605050/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-605050/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Metals

Prep Batch: 605051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-1	PE-1	Total/NA	Solid	3050B	
410-206485-3	PE-3	Total/NA	Solid	3050B	
410-206485-4	PE-4	Total/NA	Solid	3050B	
410-206485-5	PE-5	Total/NA	Solid	3050B	
410-206485-6	PE-6	Total/NA	Solid	3050B	
410-206485-8	PE-8	Total/NA	Solid	3050B	
MB 410-605051/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-605051/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 606428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-7	PE-7	Total/NA	Solid	3050B	
MB 410-606428/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-606428/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 606990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-1	PE-1	Total/NA	Solid	6020B	605051
410-206485-3	PE-3	Total/NA	Solid	6020B	605051
410-206485-4	PE-4	Total/NA	Solid	6020B	605051
410-206485-5	PE-5	Total/NA	Solid	6020B	605051
410-206485-6	PE-6	Total/NA	Solid	6020B	605051
410-206485-7	PE-7	Total/NA	Solid	6020B	606428
410-206485-8	PE-8	Total/NA	Solid	6020B	605051
MB 410-605051/1-A ^2	Method Blank	Total/NA	Solid	6020B	605051
MB 410-606428/1-A ^2	Method Blank	Total/NA	Solid	6020B	606428
LCS 410-605051/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	605051
LCS 410-606428/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	606428

Analysis Batch: 607805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-2	PE-2	Total/NA	Solid	6020B	605050
MB 410-605050/1-A ^2	Method Blank	Total/NA	Solid	6020B	605050
LCS 410-605050/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	605050

General Chemistry

Analysis Batch: 603678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-206485-1	PE-1	Total/NA	Solid	Moisture	
410-206485-2	PE-2	Total/NA	Solid	Moisture	
410-206485-3	PE-3	Total/NA	Solid	Moisture	
410-206485-4	PE-4	Total/NA	Solid	Moisture	
410-206485-5	PE-5	Total/NA	Solid	Moisture	
410-206485-6	PE-6	Total/NA	Solid	Moisture	
410-206485-7	PE-7	Total/NA	Solid	Moisture	
410-206485-8	PE-8	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-1

Lab Sample ID: 410-206485-1

Date Collected: 02/04/25 08:15

Matrix: Solid

Date Received: 02/04/25 18:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-1

Lab Sample ID: 410-206485-1

Date Collected: 02/04/25 08:15

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:03
Total/NA	Analysis	8260D		1000	605912	S8BP	ELLE	02/14/25 00:20
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 22:37

Client Sample ID: PE-2

Lab Sample ID: 410-206485-2

Date Collected: 02/04/25 08:25

Matrix: Solid

Date Received: 02/04/25 18:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-2

Lab Sample ID: 410-206485-2

Date Collected: 02/04/25 08:25

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603750	F2QS	ELLE	02/07/25 15:36
Total/NA	Analysis	8260D		1	604127	DVV2	ELLE	02/10/25 19:03
Total/NA	Prep	3050B			605050	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	607805	F7JF	ELLE	02/19/25 09:38

Client Sample ID: PE-3

Lab Sample ID: 410-206485-3

Date Collected: 02/04/25 08:30

Matrix: Solid

Date Received: 02/04/25 18:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-3

Lab Sample ID: 410-206485-3

Date Collected: 02/04/25 08:30

Matrix: Solid

Date Received: 02/04/25 18:38

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:03
Total/NA	Analysis	8260D		50	605912	S8BP	ELLE	02/13/25 22:57
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 23:06

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-4

Date Collected: 02/04/25 08:35

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-4

Date Collected: 02/04/25 08:35

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-4

Matrix: Solid

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:46
Total/NA	Analysis	8260D		500	605912	S8BP	ELLE	02/13/25 23:39
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 23:02

Client Sample ID: PE-5

Date Collected: 02/04/25 08:40

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-5

Date Collected: 02/04/25 08:40

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-5

Matrix: Solid

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:46
Total/NA	Analysis	8260D		50	605912	S8BP	ELLE	02/13/25 23:18
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 22:41

Client Sample ID: PE-6

Date Collected: 02/04/25 08:45

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-6

Date Collected: 02/04/25 08:45

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-6

Matrix: Solid

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:46
Total/NA	Analysis	8260D		50	605912	S8BP	ELLE	02/13/25 22:16
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 22:49

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Client Sample ID: PE-7

Date Collected: 02/04/25 08:50

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-7

Date Collected: 02/04/25 08:50

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-7

Matrix: Solid

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			605024	UK3O	ELLE	02/11/25 22:35
Total/NA	Analysis	8260D		500	605912	S8BP	ELLE	02/13/25 23:59
Total/NA	Prep	3050B			606428	UAMX	ELLE	02/16/25 21:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 18:00

Client Sample ID: PE-8

Date Collected: 02/04/25 08:55

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	603678	X4C8	ELLE	02/07/25 13:03

Client Sample ID: PE-8

Date Collected: 02/04/25 08:55

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-8

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603754	F2QS	ELLE	02/07/25 16:46
Total/NA	Analysis	8260D		50	605912	S8BP	ELLE	02/13/25 22:37
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 22:45

Client Sample ID: Trip Blank

Date Collected: 02/03/25 00:00

Date Received: 02/04/25 18:38

Lab Sample ID: 410-206485-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D/UST		1	605184	P5AM	ELLE	02/12/25 12:48

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

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
Pennsylvania	NELAP	36-00037	01-31-26

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8260D/UST	Volatile Organic Compounds by GC/MS	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3050B	Preparation, Metals	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-206485-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-206485-1	PE-1	Solid	02/04/25 08:15	02/04/25 18:38
410-206485-2	PE-2	Solid	02/04/25 08:25	02/04/25 18:38
410-206485-3	PE-3	Solid	02/04/25 08:30	02/04/25 18:38
410-206485-4	PE-4	Solid	02/04/25 08:35	02/04/25 18:38
410-206485-5	PE-5	Solid	02/04/25 08:40	02/04/25 18:38
410-206485-6	PE-6	Solid	02/04/25 08:45	02/04/25 18:38
410-206485-7	PE-7	Solid	02/04/25 08:50	02/04/25 18:38
410-206485-8	PE-8	Solid	02/04/25 08:55	02/04/25 18:38
410-206485-9	Trip Blank	Water	02/03/25 00:00	02/04/25 18:38



410-206485 Chain of Custody

Page 1 of 1

Sunoco DUNS #:

N/A - Sun Pipeline / Logistics

Region:

State or Lead Regulatory Agency:

PADEP - Southeast Region

Requested Due Date (mm/dd/yy):

2 DAY TAT

COC Tracking Number:

On-site Time:	Temp: 0.0
Off-site Time:	Temp: 0.0
Sky Condition:	
Meteorology:	
Wind Speed:	0.0 Direction:

Lab Name: Lancaster Laboratories				Facility Addr: Washington Crossing				Consultant/C: GES, Inc.									
Address: 2425 New Holland Pike				Facility City: Washington Crossing PA				Addr: 410 Eagleview Blvd, Suite 110									
Lancaster, PA 17605				Site Lat/Long: 0.0 0.0				Exton, PA 19341									
Lab PM: Amek Carter				Sunoco PM Con: Brad Fish				Consultant/Contractor: 0225040-06-209									
Tele/Fax: (717) 656-2308 x 1501/(717) 656-6766				Address: 100 Green Street				Consultant/Contractor: Stephanie Grillo									
E-mail EDD To: No EOEDD needed				Marcus Hook, PA				Tele/Fax: (610) 458-1077 x 3064 / (610) 458-2300									
E-mail Report To: sgrillo@gesonline.com, gesinbox@gesonline.com				Tele/F: 610-212-6972				Invoic: ges-invoices@gesonline.com									
State where samples were collected: PA; For Compliance: No																	
Report Type & QC Level:				Sample Type		Matrix		Preservative		Requested Analysis							
Item No.	Sample Description	Time	Date	G - Grab	Soil	Drinking Water	Laboratory No.	No. of Containers	MeOH/NAHISO4	None	EPA Method 8260D (PAUGL) - BTEX, MTBE, Cumene, Naphthalene, 1,2,4-TMB, 1,3,5-TMB, 1,2-Dichloroethane	Mastur	60208 - Lead	Sample Point Lat/Long and Comments			
1	PE-1	0815	2/4/25	G	X	X	54	X	X		X	X	X	2 DAY TAT			
2	PE-2	0825	2/4/25	G	X	X	54	X	X		X	X	X	Standard			
3	PE-3	0830	2/4/25	G	X	X	54	X	X		X	X	X				
4	PE-4	0835	2/4/25	G	X	X	54	X	X		X	X	X				
5	PE-5	0840	2/4/25	G	X	X	54	X	X		X	X	X				
6	PE-6	0845	2/4/25	G	X	X	54	X	X		X	X	X				
7	PE-7	0850	2/4/25	G	X	X	54	X	X		X	X	X				
8	PE-8	0855	2/4/25	G	X	X	54	X	X		X	X	X				
9	Trip Blank		2/3/25	G	X		24	X	X		X						
10				G	X		4	X	X		X						
Sampler's Name: Jason Crane				Relinquished By / Affiliation: Jason Crane / GES				Date: 2/4/25		Time: 1600		Accepted By / Affiliation: A. Feltz / GES		Date: 2/4/25		Time: 1600	
Sampler's Comp: GES, Inc.				Shipment Date: 2/4/25				Date: 2/4/25		Time: 1838		Date: 2/4/25		Time: 1838			
Shipment Metho: Laboratory Courier				Shipment Track: Standard TAT													
Special Instruct: 2 DAY TAT																	
Custody Seals In Place Yes No				Temp Blank Yes No				Cooler Temperature on Receipt OF/C									

12 : 2.1 C : 2.0

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-206485-1

Login Number: 206485

List Number: 1

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
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?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Stephanie R Grillo
Groundwater & Environmental Services Inc
410 Eagleview Blvd., Suite 110
Exton, Pennsylvania 19341-2577

Generated 2/24/2025 10:28:59 AM

JOB DESCRIPTION

SPLP - Washington Crossing

JOB NUMBER

410-207370-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
2/24/2025 10:28:59 AM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.

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
SQL	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: Groundwater & Environmental Services Inc
Project: SPLP - Washington Crossing

Job ID: 410-207370-1

Job ID: 410-207370-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-207370-1

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 2/11/2025 4:50 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 0.5°C and 1.3°C.

GC/MS VOA

Method 8260D: The following samples were diluted due to the nature of the sample matrix: PE-9 (410-207370-1), PE-10 (410-207370-2), PE-11 (410-207370-3), PE-12 (410-207370-4), PE-13 (410-207370-5), PE-14 (410-207370-6), PE-15 (410-207370-7) and PE-16 (410-207370-8). 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.

Metals

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

General Chemistry

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

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-9

Lab Sample ID: 410-207370-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	410	J cn	3200	260	ug/Kg	500	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	2400	J cn	3200	320	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	7800	cn	3200	910	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	4700	cn	3200	390	ug/Kg	500	✱	8260D	Total/NA
Lead	19	^2	0.21	0.079	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-10

Lab Sample ID: 410-207370-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	520	J cn	2900	230	ug/Kg	500	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	3100	cn	2900	290	ug/Kg	500	✱	8260D	Total/NA
Toluene	500	J cn	2900	350	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	8900	cn	2900	810	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	5700	cn	2900	350	ug/Kg	500	✱	8260D	Total/NA
Lead	20	^2	0.22	0.085	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-11

Lab Sample ID: 410-207370-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	390	J cn	3300	260	ug/Kg	500	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	4800	cn	3300	330	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	11000	cn	3300	910	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	8200	cn	3300	390	ug/Kg	500	✱	8260D	Total/NA
Lead	21	^2	0.21	0.082	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-12

Lab Sample ID: 410-207370-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	1600	J cn	3100	310	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	4600	cn	3100	860	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	3200	cn	3100	370	ug/Kg	500	✱	8260D	Total/NA
Lead	19	^2	0.22	0.083	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-13

Lab Sample ID: 410-207370-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	780	J cn	3400	340	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	1500	J cn	3400	410	ug/Kg	500	✱	8260D	Total/NA
Lead	21	^2	0.23	0.088	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-14

Lab Sample ID: 410-207370-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	750	J cn	3400	270	ug/Kg	500	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	6200	cn	3400	340	ug/Kg	500	✱	8260D	Total/NA
Toluene	1300	J cn	3400	410	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	14000	cn	3400	950	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	7400	cn	3400	410	ug/Kg	500	✱	8260D	Total/NA
Lead	24	^2	0.19	0.073	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-15

Lab Sample ID: 410-207370-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	1100	J cn	3500	350	ug/Kg	500	✱	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-15 (Continued)

Lab Sample ID: 410-207370-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2300	J cn	3500	420	ug/Kg	500	✱	8260D	Total/NA
Lead	20	^2	0.17	0.063	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: PE-16

Lab Sample ID: 410-207370-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	2400	J cn	3400	340	ug/Kg	500	✱	8260D	Total/NA
Xylenes, Total	3000	J cn	3400	950	ug/Kg	500	✱	8260D	Total/NA
1,2,4-Trimethylbenzene	3700	cn	3400	410	ug/Kg	500	✱	8260D	Total/NA
Lead	20	^2	0.21	0.080	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-207370-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-9

Lab Sample ID: 410-207370-1

Date Collected: 02/11/25 09:45

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	410	J cn	3200	260	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
1,2-Dichloroethane	ND	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
1,3,5-Trimethylbenzene	2400	J cn	3200	320	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Toluene	ND	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Xylenes, Total	7800	cn	3200	910	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Methyl tertiary butyl ether	ND	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Benzene	ND	cn	3200	320	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Naphthalene	ND	cn	3200	1300	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
1,2,4-Trimethylbenzene	4700	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
Isopropylbenzene	ND	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500
1,2-Dibromoethane	ND	cn	3200	390	ug/Kg	✱	02/17/25 14:20	02/21/25 05:49	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74	cn	54 - 135	02/17/25 14:20	02/21/25 05:49	500
4-Bromofluorobenzene (Surr)	70	cn	50 - 131	02/17/25 14:20	02/21/25 05:49	500
Dibromofluoromethane (Surr)	76	cn	50 - 141	02/17/25 14:20	02/21/25 05:49	500
Toluene-d8 (Surr)	67	cn	52 - 141	02/17/25 14:20	02/21/25 05:49	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19	^2	0.21	0.079	mg/Kg	✱	02/19/25 02:11	02/19/25 19:11	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.6	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-10

Lab Sample ID: 410-207370-2

Date Collected: 02/11/25 09:50

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	520	J cn	2900	230	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
1,2-Dichloroethane	ND	cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
1,3,5-Trimethylbenzene	3100	cn	2900	290	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Toluene	500	J cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Xylenes, Total	8900	cn	2900	810	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Methyl tertiary butyl ether	ND	cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Benzene	ND	cn	2900	290	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Naphthalene	ND	cn	2900	1200	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
1,2,4-Trimethylbenzene	5700	cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
Isopropylbenzene	ND	cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500
1,2-Dibromoethane	ND	cn	2900	350	ug/Kg	☼	02/17/25 14:20	02/21/25 06:11	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71	cn	54 - 135	02/17/25 14:20	02/21/25 06:11	500
4-Bromofluorobenzene (Surr)	69	cn	50 - 131	02/17/25 14:20	02/21/25 06:11	500
Dibromofluoromethane (Surr)	73	cn	50 - 141	02/17/25 14:20	02/21/25 06:11	500
Toluene-d8 (Surr)	71	cn	52 - 141	02/17/25 14:20	02/21/25 06:11	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20	^2	0.22	0.085	mg/Kg	☼	02/19/25 02:11	02/19/25 19:39	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.8	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-11

Lab Sample ID: 410-207370-3

Date Collected: 02/11/25 09:55

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	390	J cn	3300	260	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
1,2-Dichloroethane	ND	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
1,3,5-Trimethylbenzene	4800	cn	3300	330	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Toluene	ND	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Xylenes, Total	11000	cn	3300	910	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Methyl tertiary butyl ether	ND	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Benzene	ND	cn	3300	330	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Naphthalene	ND	cn	3300	1300	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
1,2,4-Trimethylbenzene	8200	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
Isopropylbenzene	ND	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500
1,2-Dibromoethane	ND	cn	3300	390	ug/Kg	✱	02/17/25 14:20	02/21/25 06:33	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	64	cn	54 - 135	02/17/25 14:20	02/21/25 06:33	500
4-Bromofluorobenzene (Surr)	72	cn	50 - 131	02/17/25 14:20	02/21/25 06:33	500
Dibromofluoromethane (Surr)	78	cn	50 - 141	02/17/25 14:20	02/21/25 06:33	500
Toluene-d8 (Surr)	75	cn	52 - 141	02/17/25 14:20	02/21/25 06:33	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	^2	0.21	0.082	mg/Kg	✱	02/19/25 02:11	02/19/25 19:15	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.7	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-12

Lab Sample ID: 410-207370-4

Date Collected: 02/11/25 10:00

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	3100	250	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
1,2-Dichloroethane	ND	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
1,3,5-Trimethylbenzene	1600	J cn	3100	310	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Toluene	ND	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Xylenes, Total	4600	cn	3100	860	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Methyl tertiary butyl ether	ND	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Benzene	ND	cn	3100	310	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Naphthalene	ND	cn	3100	1200	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
1,2,4-Trimethylbenzene	3200	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
Isopropylbenzene	ND	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500
1,2-Dibromoethane	ND	cn	3100	370	ug/Kg	☼	02/17/25 14:20	02/21/25 06:55	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75	cn	54 - 135	02/17/25 14:20	02/21/25 06:55	500
4-Bromofluorobenzene (Surr)	78	cn	50 - 131	02/17/25 14:20	02/21/25 06:55	500
Dibromofluoromethane (Surr)	76	cn	50 - 141	02/17/25 14:20	02/21/25 06:55	500
Toluene-d8 (Surr)	73	cn	52 - 141	02/17/25 14:20	02/21/25 06:55	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19	^2	0.22	0.083	mg/Kg	☼	02/19/25 02:11	02/19/25 19:07	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.9	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-13

Lab Sample ID: 410-207370-5

Date Collected: 02/11/25 10:05

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	3400	270	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
1,2-Dichloroethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
1,3,5-Trimethylbenzene	780	J cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Toluene	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Xylenes, Total	ND	cn	3400	960	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Methyl tertiary butyl ether	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Benzene	ND	cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Naphthalene	ND	cn	3400	1400	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
1,2,4-Trimethylbenzene	1500	J cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
Isopropylbenzene	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500
1,2-Dibromoethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:17	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	69	cn	54 - 135	02/17/25 14:20	02/21/25 07:17	500
4-Bromofluorobenzene (Surr)	68	cn	50 - 131	02/17/25 14:20	02/21/25 07:17	500
Dibromofluoromethane (Surr)	74	cn	50 - 141	02/17/25 14:20	02/21/25 07:17	500
Toluene-d8 (Surr)	67	cn	52 - 141	02/17/25 14:20	02/21/25 07:17	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	^2	0.23	0.088	mg/Kg	☼	02/19/25 02:11	02/19/25 19:35	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.7	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-14

Lab Sample ID: 410-207370-6

Date Collected: 02/11/25 10:10

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	750	J cn	3400	270	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
1,2-Dichloroethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
1,3,5-Trimethylbenzene	6200	cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Toluene	1300	J cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Xylenes, Total	14000	cn	3400	950	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Methyl tertiary butyl ether	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Benzene	ND	cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Naphthalene	ND	cn	3400	1400	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
1,2,4-Trimethylbenzene	7400	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
Isopropylbenzene	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500
1,2-Dibromoethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 07:39	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	77	cn	54 - 135	02/17/25 14:20	02/21/25 07:39	500
4-Bromofluorobenzene (Surr)	78	cn	50 - 131	02/17/25 14:20	02/21/25 07:39	500
Dibromofluoromethane (Surr)	84	cn	50 - 141	02/17/25 14:20	02/21/25 07:39	500
Toluene-d8 (Surr)	81	cn	52 - 141	02/17/25 14:20	02/21/25 07:39	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	^2	0.19	0.073	mg/Kg	☼	02/19/25 02:11	02/19/25 19:31	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	18.2	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-15

Lab Sample ID: 410-207370-7

Date Collected: 02/11/25 10:15

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	3500	280	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
1,2-Dichloroethane	ND	cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
1,3,5-Trimethylbenzene	1100	J cn	3500	350	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Toluene	ND	cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Xylenes, Total	ND	cn	3500	980	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Methyl tertiary butyl ether	ND	cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Benzene	ND	cn	3500	350	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Naphthalene	ND	cn	3500	1400	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
1,2,4-Trimethylbenzene	2300	J cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
Isopropylbenzene	ND	cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500
1,2-Dibromoethane	ND	cn	3500	420	ug/Kg	☼	02/17/25 14:20	02/21/25 08:01	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75	cn	54 - 135	02/17/25 14:20	02/21/25 08:01	500
4-Bromofluorobenzene (Surr)	76	cn	50 - 131	02/17/25 14:20	02/21/25 08:01	500
Dibromofluoromethane (Surr)	77	cn	50 - 141	02/17/25 14:20	02/21/25 08:01	500
Toluene-d8 (Surr)	68	cn	52 - 141	02/17/25 14:20	02/21/25 08:01	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20	^2	0.17	0.063	mg/Kg	☼	02/19/25 02:11	02/19/25 19:56	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.6	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-16

Lab Sample ID: 410-207370-8

Date Collected: 02/11/25 11:15

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	3400	270	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
1,2-Dichloroethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
1,3,5-Trimethylbenzene	2400	J cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Toluene	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Xylenes, Total	3000	J cn	3400	950	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Methyl tertiary butyl ether	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Benzene	ND	cn	3400	340	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Naphthalene	ND	cn	3400	1400	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
1,2,4-Trimethylbenzene	3700	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
Isopropylbenzene	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500
1,2-Dibromoethane	ND	cn	3400	410	ug/Kg	☼	02/17/25 14:20	02/21/25 08:23	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75	cn	54 - 135	02/17/25 14:20	02/21/25 08:23	500
4-Bromofluorobenzene (Surr)	72	cn	50 - 131	02/17/25 14:20	02/21/25 08:23	500
Dibromofluoromethane (Surr)	79	cn	50 - 141	02/17/25 14:20	02/21/25 08:23	500
Toluene-d8 (Surr)	73	cn	52 - 141	02/17/25 14:20	02/21/25 08:23	500

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20	^2	0.21	0.080	mg/Kg	☼	02/19/25 02:11	02/19/25 19:27	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	18.3	!	1.0	1.0	%	—		02/13/25 06:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-207370-9

Date Collected: 02/06/25 00:00

Matrix: Water

Date Received: 02/11/25 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/19/25 14:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Toluene	ND		1.0	0.30	ug/L			02/19/25 14:06	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/19/25 14:06	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/19/25 14:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/19/25 14:06	1
Benzene	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Naphthalene	ND		5.0	1.0	ug/L			02/19/25 14:06	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/19/25 14:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/19/25 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					02/19/25 14:06	1
4-Bromofluorobenzene (Surr)	92		80 - 120					02/19/25 14:06	1
Dibromofluoromethane (Surr)	109		80 - 120					02/19/25 14:06	1
Toluene-d8 (Surr)	97		80 - 120					02/19/25 14:06	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (54-135)	BFB (50-131)	DBFM (50-141)	TOL (52-141)
410-207370-1	PE-9	74 cn	70 cn	76 cn	67 cn
410-207370-2	PE-10	71 cn	69 cn	73 cn	71 cn
410-207370-3	PE-11	64 cn	72 cn	78 cn	75 cn
410-207370-4	PE-12	75 cn	78 cn	76 cn	73 cn
410-207370-5	PE-13	69 cn	68 cn	74 cn	67 cn
410-207370-6	PE-14	77 cn	78 cn	84 cn	81 cn
410-207370-7	PE-15	75 cn	76 cn	77 cn	68 cn
410-207370-8	PE-16	75 cn	72 cn	79 cn	73 cn
LCS 410-608548/6	Lab Control Sample	89	85	97	87
LCSD 410-608548/8	Lab Control Sample Dup	89	83	96	88
MB 410-608548/7	Method Blank	94	87	99	90

Surrogate Legend

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

Method: 8260D/UST - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-207370-9	Trip Blank	100	92	109	97
LCS 410-607669/5	Lab Control Sample	101	95	106	97
LCSD 410-607669/6	Lab Control Sample Dup	101	94	106	96
MB 410-607669/7	Method Blank	99	93	106	97

Surrogate Legend

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

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

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

Lab Sample ID: MB 410-608548/7

Matrix: Solid

Analysis Batch: 608548

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		250	20	ug/Kg			02/20/25 23:56	50
1,2-Dichloroethane	ND		250	30	ug/Kg			02/20/25 23:56	50
1,3,5-Trimethylbenzene	ND		250	25	ug/Kg			02/20/25 23:56	50
Toluene	ND		250	30	ug/Kg			02/20/25 23:56	50
Xylenes, Total	ND		250	70	ug/Kg			02/20/25 23:56	50
Methyl tertiary butyl ether	ND		250	30	ug/Kg			02/20/25 23:56	50
Benzene	ND		250	25	ug/Kg			02/20/25 23:56	50
Naphthalene	ND		250	100	ug/Kg			02/20/25 23:56	50
1,2,4-Trimethylbenzene	ND		250	30	ug/Kg			02/20/25 23:56	50
Isopropylbenzene	ND		250	30	ug/Kg			02/20/25 23:56	50
1,2-Dibromoethane	ND		250	30	ug/Kg			02/20/25 23:56	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		54 - 135		02/20/25 23:56	50
4-Bromofluorobenzene (Surr)	87		50 - 131		02/20/25 23:56	50
Dibromofluoromethane (Surr)	99		50 - 141		02/20/25 23:56	50
Toluene-d8 (Surr)	90		52 - 141		02/20/25 23:56	50

Lab Sample ID: LCS 410-608548/6

Matrix: Solid

Analysis Batch: 608548

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1000	980		ug/Kg		98	72 - 118
1,2-Dichloroethane	1000	1120		ug/Kg		112	72 - 124
1,3,5-Trimethylbenzene	1000	929		ug/Kg		93	73 - 120
Toluene	1000	983		ug/Kg		98	71 - 120
Xylenes, Total	3000	2870		ug/Kg		96	75 - 120
Methyl tertiary butyl ether	1000	1010		ug/Kg		101	63 - 120
Benzene	1000	1010		ug/Kg		101	80 - 120
Naphthalene	1000	822		ug/Kg		82	68 - 130
1,2,4-Trimethylbenzene	1000	901		ug/Kg		90	68 - 120
Isopropylbenzene	1000	1090		ug/Kg		109	77 - 120
1,2-Dibromoethane	1000	984		ug/Kg		98	76 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		54 - 135
4-Bromofluorobenzene (Surr)	85		50 - 131
Dibromofluoromethane (Surr)	97		50 - 141
Toluene-d8 (Surr)	87		52 - 141

Lab Sample ID: LCSD 410-608548/8

Matrix: Solid

Analysis Batch: 608548

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	1000	951		ug/Kg		95	72 - 118	3	30
1,2-Dichloroethane	1000	1080		ug/Kg		108	72 - 124	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

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

Lab Sample ID: LCSD 410-608548/8

Matrix: Solid

Analysis Batch: 608548

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	1000	896		ug/Kg		90	73 - 120	4	30
Toluene	1000	997		ug/Kg		100	71 - 120	1	30
Xylenes, Total	3000	2860		ug/Kg		95	75 - 120	0	30
Methyl tertiary butyl ether	1000	1010		ug/Kg		101	63 - 120	1	30
Benzene	1000	995		ug/Kg		99	80 - 120	2	30
Naphthalene	1000	807		ug/Kg		81	68 - 130	2	30
1,2,4-Trimethylbenzene	1000	876		ug/Kg		88	68 - 120	3	30
Isopropylbenzene	1000	1070		ug/Kg		107	77 - 120	1	30
1,2-Dibromoethane	1000	950		ug/Kg		95	76 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		54 - 135
4-Bromofluorobenzene (Surr)	83		50 - 131
Dibromofluoromethane (Surr)	96		50 - 141
Toluene-d8 (Surr)	88		52 - 141

Method: 8260D/UST - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-607669/7

Matrix: Water

Analysis Batch: 607669

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/19/25 12:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/19/25 12:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/19/25 12:55	1
Toluene	ND		1.0	0.30	ug/L			02/19/25 12:55	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/19/25 12:55	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/19/25 12:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/19/25 12:55	1
Benzene	ND		1.0	0.30	ug/L			02/19/25 12:55	1
Naphthalene	ND		5.0	1.0	ug/L			02/19/25 12:55	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/19/25 12:55	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/19/25 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		02/19/25 12:55	1
4-Bromofluorobenzene (Surr)	93		80 - 120		02/19/25 12:55	1
Dibromofluoromethane (Surr)	106		80 - 120		02/19/25 12:55	1
Toluene-d8 (Surr)	97		80 - 120		02/19/25 12:55	1

Lab Sample ID: LCS 410-607669/5

Matrix: Water

Analysis Batch: 607669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	20.0	18.7		ug/L		94	77 - 120
Ethylbenzene	20.0	20.7		ug/L		103	80 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

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

Lab Sample ID: LCS 410-607669/5

Matrix: Water

Analysis Batch: 607669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	20.0	20.7		ug/L		104	73 - 124
Toluene	20.0	20.7		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	75 - 120
Xylenes, Total	60.0	64.5		ug/L		108	80 - 120
Methyl tertiary butyl ether	20.0	20.5		ug/L		102	69 - 122
Benzene	20.0	20.8		ug/L		104	80 - 120
Naphthalene	20.0	16.5		ug/L		83	53 - 124
1,2,4-Trimethylbenzene	20.0	19.7		ug/L		99	75 - 120
Isopropylbenzene	20.0	21.5		ug/L		107	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 410-607669/6

Matrix: Water

Analysis Batch: 607669

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	20.0	18.7		ug/L		94	77 - 120	0	30
Ethylbenzene	20.0	20.9		ug/L		105	80 - 120	1	30
1,2-Dichloroethane	20.0	20.7		ug/L		103	73 - 124	0	30
Toluene	20.0	20.7		ug/L		104	80 - 120	0	30
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		99	75 - 120	2	30
Xylenes, Total	60.0	64.8		ug/L		108	80 - 120	0	30
Methyl tertiary butyl ether	20.0	20.7		ug/L		104	69 - 122	1	30
Benzene	20.0	21.4		ug/L		107	80 - 120	3	30
Naphthalene	20.0	16.5		ug/L		83	53 - 124	0	30
1,2,4-Trimethylbenzene	20.0	20.0		ug/L		100	75 - 120	1	30
Isopropylbenzene	20.0	21.8		ug/L		109	80 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-606435/1-A ^2

Matrix: Solid

Analysis Batch: 608022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 606435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.20	0.076	mg/Kg		02/19/25 02:11	02/19/25 17:29	2

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-606435/2-A ^2				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 608022				Prep Batch: 606435			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.38		mg/Kg		108	88 - 117

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

GC/MS VOA

Prep Batch: 606812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-1	PE-9	Total/NA	Solid	5035	
410-207370-2	PE-10	Total/NA	Solid	5035	
410-207370-3	PE-11	Total/NA	Solid	5035	
410-207370-4	PE-12	Total/NA	Solid	5035	
410-207370-5	PE-13	Total/NA	Solid	5035	
410-207370-6	PE-14	Total/NA	Solid	5035	
410-207370-7	PE-15	Total/NA	Solid	5035	
410-207370-8	PE-16	Total/NA	Solid	5035	

Analysis Batch: 607669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-9	Trip Blank	Total/NA	Water	8260D/UST	
MB 410-607669/7	Method Blank	Total/NA	Water	8260D/UST	
LCS 410-607669/5	Lab Control Sample	Total/NA	Water	8260D/UST	
LCSD 410-607669/6	Lab Control Sample Dup	Total/NA	Water	8260D/UST	

Analysis Batch: 608548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-1	PE-9	Total/NA	Solid	8260D	606812
410-207370-2	PE-10	Total/NA	Solid	8260D	606812
410-207370-3	PE-11	Total/NA	Solid	8260D	606812
410-207370-4	PE-12	Total/NA	Solid	8260D	606812
410-207370-5	PE-13	Total/NA	Solid	8260D	606812
410-207370-6	PE-14	Total/NA	Solid	8260D	606812
410-207370-7	PE-15	Total/NA	Solid	8260D	606812
410-207370-8	PE-16	Total/NA	Solid	8260D	606812
MB 410-608548/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-608548/6	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-608548/8	Lab Control Sample Dup	Total/NA	Solid	8260D	

Metals

Prep Batch: 606435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-1	PE-9	Total/NA	Solid	3050B	
410-207370-2	PE-10	Total/NA	Solid	3050B	
410-207370-3	PE-11	Total/NA	Solid	3050B	
410-207370-4	PE-12	Total/NA	Solid	3050B	
410-207370-5	PE-13	Total/NA	Solid	3050B	
410-207370-6	PE-14	Total/NA	Solid	3050B	
410-207370-7	PE-15	Total/NA	Solid	3050B	
410-207370-8	PE-16	Total/NA	Solid	3050B	
MB 410-606435/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-606435/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 608022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-1	PE-9	Total/NA	Solid	6020B	606435
410-207370-2	PE-10	Total/NA	Solid	6020B	606435
410-207370-3	PE-11	Total/NA	Solid	6020B	606435
410-207370-4	PE-12	Total/NA	Solid	6020B	606435

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Metals (Continued)

Analysis Batch: 608022 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-5	PE-13	Total/NA	Solid	6020B	606435
410-207370-6	PE-14	Total/NA	Solid	6020B	606435
410-207370-7	PE-15	Total/NA	Solid	6020B	606435
410-207370-8	PE-16	Total/NA	Solid	6020B	606435
MB 410-606435/1-A ^2	Method Blank	Total/NA	Solid	6020B	606435
LCS 410-606435/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	606435

General Chemistry

Analysis Batch: 605529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207370-1	PE-9	Total/NA	Solid	Moisture	
410-207370-2	PE-10	Total/NA	Solid	Moisture	
410-207370-3	PE-11	Total/NA	Solid	Moisture	
410-207370-4	PE-12	Total/NA	Solid	Moisture	
410-207370-5	PE-13	Total/NA	Solid	Moisture	
410-207370-6	PE-14	Total/NA	Solid	Moisture	
410-207370-7	PE-15	Total/NA	Solid	Moisture	
410-207370-8	PE-16	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-9

Lab Sample ID: 410-207370-1

Date Collected: 02/11/25 09:45

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-9

Lab Sample ID: 410-207370-1

Date Collected: 02/11/25 09:45

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 05:49
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:11

Client Sample ID: PE-10

Lab Sample ID: 410-207370-2

Date Collected: 02/11/25 09:50

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-10

Lab Sample ID: 410-207370-2

Date Collected: 02/11/25 09:50

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 06:11
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:39

Client Sample ID: PE-11

Lab Sample ID: 410-207370-3

Date Collected: 02/11/25 09:55

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-11

Lab Sample ID: 410-207370-3

Date Collected: 02/11/25 09:55

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 06:33
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:15

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-12

Lab Sample ID: 410-207370-4

Date Collected: 02/11/25 10:00

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-12

Lab Sample ID: 410-207370-4

Date Collected: 02/11/25 10:00

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 06:55
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:07

Client Sample ID: PE-13

Lab Sample ID: 410-207370-5

Date Collected: 02/11/25 10:05

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-13

Lab Sample ID: 410-207370-5

Date Collected: 02/11/25 10:05

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 07:17
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:35

Client Sample ID: PE-14

Lab Sample ID: 410-207370-6

Date Collected: 02/11/25 10:10

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-14

Lab Sample ID: 410-207370-6

Date Collected: 02/11/25 10:10

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 07:39
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:31

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Client Sample ID: PE-15

Lab Sample ID: 410-207370-7

Date Collected: 02/11/25 10:15

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-15

Lab Sample ID: 410-207370-7

Date Collected: 02/11/25 10:15

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 08:01
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:56

Client Sample ID: PE-16

Lab Sample ID: 410-207370-8

Date Collected: 02/11/25 11:15

Matrix: Solid

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605529	UGCW	ELLE	02/13/25 06:42

Client Sample ID: PE-16

Lab Sample ID: 410-207370-8

Date Collected: 02/11/25 11:15

Matrix: Solid

Date Received: 02/11/25 16:50

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			606812	WJ7F	ELLE	02/17/25 14:20
Total/NA	Analysis	8260D		500	608548	S8BP	ELLE	02/21/25 08:23
Total/NA	Prep	3050B			606435	UJL8	ELLE	02/19/25 02:11
Total/NA	Analysis	6020B		2	608022	LHF4	ELLE	02/19/25 19:27

Client Sample ID: Trip Blank

Lab Sample ID: 410-207370-9

Date Collected: 02/06/25 00:00

Matrix: Water

Date Received: 02/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D/UST		1	607669	P5AM	ELLE	02/19/25 14:06

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

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
Pennsylvania	NELAP	36-00037	01-31-26

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8260D/UST	Volatile Organic Compounds by GC/MS	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3050B	Preparation, Metals	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: SPLP - Washington Crossing

Job ID: 410-207370-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-207370-1	PE-9	Solid	02/11/25 09:45	02/11/25 16:50
410-207370-2	PE-10	Solid	02/11/25 09:50	02/11/25 16:50
410-207370-3	PE-11	Solid	02/11/25 09:55	02/11/25 16:50
410-207370-4	PE-12	Solid	02/11/25 10:00	02/11/25 16:50
410-207370-5	PE-13	Solid	02/11/25 10:05	02/11/25 16:50
410-207370-6	PE-14	Solid	02/11/25 10:10	02/11/25 16:50
410-207370-7	PE-15	Solid	02/11/25 10:15	02/11/25 16:50
410-207370-8	PE-16	Solid	02/11/25 11:15	02/11/25 16:50
410-207370-9	Trip Blank	Water	02/06/25 00:00	02/11/25 16:50



410-207370 Chain of Custody

Client:
Region:

State or Lead Regulatory Agency:

Chain of Custody Record
Sunoco Pipeline LP

PADEP - Southeast Region

Requested Due Date (mm/dd/yy): ~~3 DAY TAT~~ Standard TAT

COC Tracking Number:

Page 1 of 1

On-site Time:	Temp: 0.0
Off-site Time:	Temp: 0.0
Sky Conditions:	
Meteorological:	
Wind Speed:	0.0 Direction:

Lab Name: Lancaster Laboratories				Facility Addr Washington Crossing				Consultant/Cor GES, Inc.																																																																																																																																																																																																					
Address: 2425 New Holland Pike				Facility City, Washington Crossing PA				Addr 410 Eagleview Blvd, Suite 110																																																																																																																																																																																																					
Lancaster, PA 17605				Site Lat/Long: 0.0 0.0				Exton, PA 19341																																																																																																																																																																																																					
Lab PM: Amek Carter				Sunoco PM Con Brad Fish				Consultant/Contractor Pr 0225040-06-209																																																																																																																																																																																																					
Tele/Fax: (717) 656-2308 x 1501/(717) 656-6766				Address: 100 Green Street				Consultant/Contractor PI Stephanie Grillo																																																																																																																																																																																																					
E-mail EDD To: No EQEDD needed				Marcus Hook, PA				Tele/Fax: (610) 458-1077x3064 / (610) 458-2300																																																																																																																																																																																																					
E-mail Report To: sgrillo@gesonline.com, gesinbox@gesonline.com				Tele/F: 610-212-6972				Invoi ges-invoices@gesonline.com																																																																																																																																																																																																					
State where samples were collected: PA; For Compliance: No																																																																																																																																																																																																													
<table><tr><th colspan="4">Report Type & QC Level:</th><th>Sample Type</th><th>Matrix</th><th rowspan="2">Laboratory No.</th><th rowspan="2">No. of Containers</th><th colspan="4">Preservative</th><th colspan="4">Requested Analysis</th><th rowspan="2">Sample Point Lat/Long and Comments</th></tr><tr><th>Item No.</th><th>Sample Description</th><th>Time</th><th>Date</th><th>G - Grab</th><th>C - Composite</th><th>Soil</th><th>Drinking Water</th><th>MeOH/NAHSO4</th><th>HCL</th><th>HNO3</th><th>EPA Method 8260 - BTEX, MTBE, Cumene, Naphthalene, 1,2,4-TMB, 1,3,5-TMB, 1,2-Dichloroethane</th><th>EPA Method 8011 - 1,2-Dibromoethane</th><th>EPA Method 6020 - Lead (Dissolved)</th><th>Moisture</th></tr><tr><td>1</td><td>PA-9</td><td>0945</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td rowspan="8">Standard TAT</td></tr><tr><td>2</td><td>PE-10</td><td>0950</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>3</td><td>PE-11</td><td>0955</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>4</td><td>PE-12</td><td>1000</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>5</td><td>PE-13</td><td>1005</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>6</td><td>PE-14</td><td>1010</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>7</td><td>PE-15</td><td>1015</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>8</td><td>PE-16</td><td>1115</td><td>2/11/25</td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>9</td><td></td><td></td><td></td><td>G</td><td>X</td><td></td><td></td><td>5</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td></td></tr><tr><td>10</td><td>Trip Blank</td><td></td><td>2/16/25</td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td></tr></table>												Report Type & QC Level:				Sample Type	Matrix	Laboratory No.	No. of Containers	Preservative				Requested Analysis				Sample Point Lat/Long and Comments	Item No.	Sample Description	Time	Date	G - Grab	C - Composite	Soil	Drinking Water	MeOH/NAHSO4	HCL	HNO3	EPA Method 8260 - BTEX, MTBE, Cumene, Naphthalene, 1,2,4-TMB, 1,3,5-TMB, 1,2-Dichloroethane	EPA Method 8011 - 1,2-Dibromoethane	EPA Method 6020 - Lead (Dissolved)	Moisture	1	PA-9	0945	2/11/25	G	X			5	X	X		X	X	X	X	Standard TAT	2	PE-10	0950	2/11/25	G	X			5	X	X		X	X	X	X	3	PE-11	0955	2/11/25	G	X			5	X	X		X	X	X	X	4	PE-12	1000	2/11/25	G	X			5	X	X		X	X	X	X	5	PE-13	1005	2/11/25	G	X			5	X	X		X	X	X	X	6	PE-14	1010	2/11/25	G	X			5	X	X		X	X	X	X	7	PE-15	1015	2/11/25	G	X			5	X	X		X	X	X	X	8	PE-16	1115	2/11/25	G	X			5	X	X		X	X	X	X	9				G	X			5	X	X		X	X	X		10	Trip Blank		2/16/25						X			X				
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6	PE-14	1010	2/11/25	G	X			5	X	X		X	X	X	X																																																																																																																																																																																														
7	PE-15	1015	2/11/25	G	X			5	X	X		X	X	X	X																																																																																																																																																																																														
8	PE-16	1115	2/11/25	G	X			5	X	X		X	X	X	X																																																																																																																																																																																														
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10	Trip Blank		2/16/25						X			X																																																																																																																																																																																																	
Sampler's Name: Jason Crone				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation		Date		Time																																																																																																																																																																																													
Sampler's Company: GES, Inc.				Jason Crone				2/11/25		16:50		[Signature]		2/11/25		16:50																																																																																																																																																																																													
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Special Instructions: Standard TAT																																																																																																																																																																																																													
Custody Seals In Place Yes No				Temp Blank Yes No				Cooler Temperature on Receipt OF/C																																																																																																																																																																																																					

AK

R0.6-1.4
C0.5-1.3

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-207370-1

Login Number: 207370

List Number: 1

Creator: Kanagy, Nicholas

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
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?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	