

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Stephanie R Grillo
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JOB DESCRIPTION

SPLP - Washington Crossing

JOB NUMBER

410-207113-1

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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Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	7
Detection Summary	9
Client Sample Results	11
Surrogate Summary	24
QC Sample Results	26
QC Association Summary	38
Lab Chronicle	42
Certification Summary	45
Method Summary	46
Sample Summary	47
Chain of Custody	48
Receipt Checklists	49



Definitions/Glossary

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

Job ID: 410-207113-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^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, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
S1+	Surrogate recovery exceeds control limits, high biased.

GC 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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Analyte was found in the blank.
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.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.
cn	Refer to Case Narrative for further detail

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)

Definitions/Glossary

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

Job ID: 410-207113-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 410-207113-1

Job ID: 410-207113-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-207113-1

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 2/7/2025 3:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C.

Receipt Exceptions

The container count for the following samples did not match what was listed on the Chain-of-Custody (COC): WC-1 (410-207113-1) and WC-7 (410-207113-5).

The laboratory received 4 total containers, while the COC lists 2 total containers.

Missing corrosivity and PAH analyses. Please confirm the 8260 analysis.

WC-1 (410-207113-1), WC-4 (410-207113-2), WC-5 (410-207113-3), WC-6 (410-207113-4), WC-7 (410-207113-5), WC-10 (410-207113-6), WC-11 (410-207113-7), WC-12 (410-207113-8) and Trip Blank (410-207113-9)

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): WC-5 (410-207113-3). The laboratory received 6 total containers, while the COC lists 3 total containers.

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): WC-4 (410-207113-2). The laboratory received 8 total containers, while the COC lists 4 total containers.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 410-605384 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C: The continuing calibration verification (CCV) associated with batch 410-605384 recovered above the upper control limit for Bromomethane and Carbon disulfide. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C: The following sample(s) were received in pre-weighed containers with a label that was added in the field, which would cause a slight low bias in the final results. WC-1 (410-207113-1) and WC-7 (410-207113-5).

Method 8260C: Surrogate recovery for the following sample was outside control limits: WC-1 (410-207113-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: The continuing calibration verification (CCV) associated with batch 410-606517 recovered above the upper control limit for Acetone, Bromomethane and Chloroethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: WC-1 (410-207113-1) and WC-7 (410-207113-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

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

Job ID: 410-207113-1

Job ID: 410-207113-1 (Continued)

Eurofins Lancaster Laboratories Environment

Method 8270D: Surrogate recovery for the following sample was outside control limits: WC-4 (410-207113-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Gasoline Range Organics

Method 8015D_GRO: The following samples were diluted due to the abundance of non-target analytes: WC-10 (410-207113-6) and WC-11 (410-207113-7). 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.

Diesel Range Organics

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

Metals

Method 6020B - TCLP: The TCLP leachate blank for batch 410-604657 and 410-605256 contained Barium and Lead above the reporting limit (RL). This target analyte concentration was less than the TCLP Regulatory Hazard Limit as well as the laboratory action limit. The associated sample was also below the TCLP Regulatory Hazard Limit for this analyte; therefore, re-extraction was not performed. Associated sample: WC-12 (410-207113-8)

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

General Chemistry

Method 1010B: The Pensky Martens closed cup apparatus is designed to determine the flash point of a liquid sample. The sample submitted could not be mixed well enough to obtain uniform heating. The temperature being measured was that of the material near the top of the cup. The material at the bottom of the cup could have a higher temperature. The temperature reported may not be accurate.

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: 410-207113-1

Client Sample ID: WC-1

Lab Sample ID: 410-207113-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	4400	cn	760	91	ug/Kg	100	✱	8260C	Total/NA
Ethylbenzene	4500	cn	760	61	ug/Kg	100	✱	8260C	Total/NA
Isopropylbenzene	3400	cn	760	91	ug/Kg	100	✱	8260C	Total/NA
Xylenes, Total	47000	cn	760	210	ug/Kg	100	✱	8260C	Total/NA
Methylcyclohexane	7200	cn	760	91	ug/Kg	100	✱	8260C	Total/NA
Cyclohexane	680	J cn	760	76	ug/Kg	100	✱	8260C	Total/NA

Client Sample ID: WC-4

Lab Sample ID: 410-207113-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	510	cn	19	4.7	ug/Kg	1	✱	8270D	Total/NA
Naphthalene - DL	7100	cn	97	39	ug/Kg	5	✱	8270D	Total/NA
GRO (1C)	1500		1100	440	mg/Kg	20000	✱	8015D	Total/NA
DRO (C10-C28)	7800		280	120	mg/Kg	20	✱	8015D	Total/NA
Ignitability (Flashpoint)	>200	cn	50	50	Degrees F	1		1010B	Total/NA
pH	5.3		0.01	0.01	S.U.	1		9045D	Soluble
Temperature	21.2		0.01	0.01	Degrees C	1		9045D	Soluble
Corrosivity	no		0.01	0.01	NONE	1		9045D	Soluble

Client Sample ID: WC-5

Lab Sample ID: 410-207113-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (1C)	1100		1100	440	mg/Kg	20000	✱	8015D	Total/NA
DRO (C10-C28)	3700		140	58	mg/Kg	10	✱	8015D	Total/NA

Client Sample ID: WC-6

Lab Sample ID: 410-207113-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15		0.36	0.12	mg/Kg	2	✱	6020B	Total/NA
Antimony	0.29		0.18	0.073	mg/Kg	2	✱	6020B	Total/NA
Barium	200		0.36	0.17	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.074	J	0.091	0.036	mg/Kg	2	✱	6020B	Total/NA
Beryllium	2.2		0.091	0.022	mg/Kg	2	✱	6020B	Total/NA
Lead	23		0.18	0.069	mg/Kg	2	✱	6020B	Total/NA
Copper	37		0.36	0.16	mg/Kg	2	✱	6020B	Total/NA
Nickel	37		0.36	0.17	mg/Kg	2	✱	6020B	Total/NA
Thallium	0.51		0.091	0.036	mg/Kg	2	✱	6020B	Total/NA
Zinc	80		27	3.6	mg/Kg	2	✱	6020B	Total/NA

Client Sample ID: WC-7

Lab Sample ID: 410-207113-5

No Detections.

Client Sample ID: WC-10

Lab Sample ID: 410-207113-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (1C)	410	J cn	520	210	mg/Kg	10000	✱	8015D	Total/NA
DRO (C10-C28)	1200	4	69	29	mg/Kg	5	✱	8015D	Total/NA

Client Sample ID: WC-11

Lab Sample ID: 410-207113-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (1C)	480	J cn	540	220	mg/Kg	10000	✱	8015D	Total/NA
DRO (C10-C28)	7700		280	120	mg/Kg	20	✱	8015D	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: 410-207113-1

Client Sample ID: WC-12

Lab Sample ID: 410-207113-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1.3	B cn	0.020	0.0075	mg/L	1		6020B	TCLP
Lead	0.0087	B cn	0.0050	0.0012	mg/L	1		6020B	TCLP

Client Sample ID: Trip Blank

Lab Sample ID: 410-207113-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.35	J ^c cn	5.0	0.30	ug/L	1		8260C	Total/NA

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: 410-207113-1

Client Sample ID: WC-1

Lab Sample ID: 410-207113-1

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Toluene	4400	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Methyl tertiary butyl ether	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Ethylbenzene	4500	cn	760	61	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Isopropylbenzene	3400	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Xylenes, Total	47000	cn	760	210	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,1,1-Trichloroethane	ND	cn	760	110	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
cis-1,3-Dichloropropene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Carbon disulfide	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Bromoform	ND	cn	1500	760	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Tetrachloroethene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,1-Dichloroethane	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2-Dichloroethane	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2-Dichloropropane	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,1,2-Trichloroethane	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Acetone	ND	^c cn	3000	910	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Methyl acetate	ND	cn	760	150	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Dichlorodifluoromethane	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
4-Methyl-2-pentanone	ND	cn	1500	230	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Freon 113	ND	cn	1500	110	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Methylene Chloride	ND	cn	760	300	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Chloromethane	ND	cn	760	140	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Bromomethane	ND	*+ ^c cn	760	240	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Dibromochloromethane	ND	cn	760	300	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2,4-Trichlorobenzene	ND	cn	1500	760	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Chlorobenzene	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2-Dibromo-3-Chloropropane	ND	cn	760	150	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,3-Dichlorobenzene	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Styrene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
trans-1,2-Dichloroethene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,1,2,2-Tetrachloroethane	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Chloroethane	ND	*+ ^c cn	760	230	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,1-Dichloroethene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2-Dichlorobenzene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Trichloroethene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
2-Hexanone	ND	cn	1500	230	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
2-Butanone	ND	cn	1500	300	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Methylcyclohexane	7200	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Trichlorofluoromethane	ND	cn	760	120	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Cyclohexane	680	J cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
trans-1,3-Dichloropropene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
cis-1,2-Dichloroethene	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Chloroform	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Vinyl chloride	ND	cn	760	120	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,2-Dibromoethane	ND	cn	760	91	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Carbon tetrachloride	ND	cn	760	300	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
1,4-Dichlorobenzene	ND	cn	760	76	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100
Bromodichloromethane	ND	cn	760	110	ug/Kg	✱	02/13/25 20:56	02/17/25 04:17	100

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-1

Lab Sample ID: 410-207113-1

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	58	cn	54 - 135	02/13/25 20:56	02/17/25 04:17	100
4-Bromofluorobenzene (Surr)	189	S1+ cn	50 - 131	02/13/25 20:56	02/17/25 04:17	100
Dibromofluoromethane (Surr)	54	cn	50 - 141	02/13/25 20:56	02/17/25 04:17	100
Toluene-d8 (Surr)	75	cn	52 - 141	02/13/25 20:56	02/17/25 04:17	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.4	!	1.0	1.0	%			02/11/25 13:28	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-4

Lab Sample ID: 410-207113-2

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Acenaphthylene	ND	cn	19	4.7	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Anthracene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Benzo[a]anthracene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Benzo[a]pyrene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Benzo[b]fluoranthene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Benzo[g,h,i]perylene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Benzo[k]fluoranthene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Chrysene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Dibenz[a,h]anthracene	ND	cn	19	7.8	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Fluoranthene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Fluorene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Indeno[1,2,3-cd]pyrene	ND	cn	19	4.7	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Phenanthrene	510	cn	19	4.7	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1
Pyrene	ND	cn	19	3.9	ug/Kg	✱	02/12/25 16:10	02/18/25 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54	cn	29 - 120	02/12/25 16:10	02/18/25 01:43	1
Nitrobenzene-d5 (Surr)	169	S1+ cn	22 - 120	02/12/25 16:10	02/18/25 01:43	1
p-Terphenyl-d14 (Surr)	88	cn	36 - 123	02/12/25 16:10	02/18/25 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	7100	cn	97	39	ug/Kg	✱	02/12/25 16:10	02/19/25 13:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69	cn	29 - 120	02/12/25 16:10	02/19/25 13:31	5
Nitrobenzene-d5 (Surr)	206	S1+ cn	22 - 120	02/12/25 16:10	02/19/25 13:31	5
p-Terphenyl-d14 (Surr)	86	cn	36 - 123	02/12/25 16:10	02/19/25 13:31	5

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	1500		1100	440	mg/Kg	✱	02/11/25 22:35	02/13/25 16:42	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	0	S1-	50 - 142	02/11/25 22:35	02/13/25 16:42	20000

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	7800		280	120	mg/Kg	✱	02/11/25 16:35	02/12/25 21:04	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	106		49 - 154	02/11/25 16:35	02/12/25 21:04	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability (Flashpoint) (SW846 1010B)	>200	cn	50	50	Degrees F			02/18/25 06:47	1
Cyanide, Reactive (SW846 9012)	ND		86	19	mg/Kg		02/19/25 07:55	02/19/25 15:18	1
Sulfide, Reactive (SW846 9034)	ND		150	51	mg/Kg		02/19/25 07:55	02/19/25 13:21	1
Percent Moisture (EPA Moisture)	15.4	!	1.0	1.0	%			02/11/25 13:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-4

Lab Sample ID: 410-207113-2

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	5.3		0.01	0.01	S.U.			02/18/25 08:30	1
Temperature (SW846 9045D)	21.2		0.01	0.01	Degrees C			02/18/25 08:30	1
Corrosivity (SW846 9045D)	no		0.01	0.01	NONE			02/18/25 08:30	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-5

Lab Sample ID: 410-207113-3

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 85.2

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	1100		1100	440	mg/Kg	☆	02/11/25 22:35	02/13/25 17:14	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	398	S1+	50 - 142	02/11/25 22:35	02/13/25 17:14	20000

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	3700		140	58	mg/Kg	☆	02/11/25 16:35	02/12/25 21:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	85		49 - 154	02/11/25 16:35	02/12/25 21:22	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.8	!	1.0	1.0	%	—		02/11/25 13:28	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-6

Lab Sample ID: 410-207113-4

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		0.36	0.12	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Antimony	0.29		0.18	0.073	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Barium	200		0.36	0.17	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Cadmium	0.074	J	0.091	0.036	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Beryllium	2.2		0.091	0.022	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Lead	23		0.18	0.069	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Copper	37		0.36	0.16	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Nickel	37		0.36	0.17	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Thallium	0.51		0.091	0.036	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2
Zinc	80		27	3.6	mg/Kg	✱	02/13/25 22:00	02/17/25 22:24	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.5	!	1.0	1.0	%	—		02/11/25 13:28	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-7

Lab Sample ID: 410-207113-5

Date Collected: 02/05/25 12:00

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Toluene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Methyl tertiary butyl ether	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Ethylbenzene	ND	cn	3500	280	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Isopropylbenzene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Xylenes, Total	ND	cn	3500	980	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,1,1-Trichloroethane	ND	cn	3500	490	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
cis-1,3-Dichloropropene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Carbon disulfide	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Bromoform	ND	cn	7000	3500	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Tetrachloroethene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,1-Dichloroethane	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2-Dichloroethane	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2-Dichloropropane	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,1,1-Trichloroethane	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Acetone	ND	^c cn	14000	4200	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Methyl acetate	ND	cn	3500	700	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Dichlorodifluoromethane	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
4-Methyl-2-pentanone	ND	cn	7000	1000	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Freon 113	ND	cn	7000	490	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Methylene Chloride	ND	cn	3500	1400	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Chloromethane	ND	cn	3500	630	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Bromomethane	ND	*+ ^c cn	3500	1100	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Dibromochloromethane	ND	cn	3500	1400	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2,4-Trichlorobenzene	ND	cn	7000	3500	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Chlorobenzene	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2-Dibromo-3-Chloropropane	ND	cn	3500	700	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,3-Dichlorobenzene	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Styrene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
trans-1,2-Dichloroethene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,1,2,2-Tetrachloroethane	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Chloroethane	ND	*+ ^c cn	3500	1000	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,1-Dichloroethene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2-Dichlorobenzene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Trichloroethene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
2-Hexanone	ND	cn	7000	1000	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
2-Butanone	ND	cn	7000	1400	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Methylcyclohexane	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Trichlorofluoromethane	ND	cn	3500	560	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Cyclohexane	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
trans-1,3-Dichloropropene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
cis-1,2-Dichloroethene	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Chloroform	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Vinyl chloride	ND	cn	3500	560	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,2-Dibromoethane	ND	cn	3500	420	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Carbon tetrachloride	ND	cn	3500	1400	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
1,4-Dichlorobenzene	ND	cn	3500	350	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500
Bromodichloromethane	ND	cn	3500	490	ug/Kg	✱	02/13/25 20:56	02/17/25 04:58	500

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Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-7

Lab Sample ID: 410-207113-5

Date Collected: 02/05/25 12:00

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	48	S1- cn	54 - 135	02/13/25 20:56	02/17/25 04:58	500
4-Bromofluorobenzene (Surr)	52	cn	50 - 131	02/13/25 20:56	02/17/25 04:58	500
Dibromofluoromethane (Surr)	45	S1- cn	50 - 141	02/13/25 20:56	02/17/25 04:58	500
Toluene-d8 (Surr)	50	S1- cn	52 - 141	02/13/25 20:56	02/17/25 04:58	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.0	!	1.0	1.0	%			02/11/25 13:28	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-10

Lab Sample ID: 410-207113-6

Date Collected: 02/05/25 12:00

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 86.6

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	410	J cn	520	210	mg/Kg	☆	02/11/25 22:35	02/13/25 15:32	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	142	cn	50 - 142				02/11/25 22:35	02/13/25 15:32	10000

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	1200	4	69	29	mg/Kg	☆	02/11/25 16:35	02/12/25 21:40	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	81		49 - 154				02/11/25 16:35	02/12/25 21:40	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.4	!	1.0	1.0	%	—		02/13/25 11:00	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-11

Lab Sample ID: 410-207113-7

Date Collected: 02/05/25 12:00

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 85.2

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	480	J cn	540	220	mg/Kg	☆	02/11/25 22:35	02/13/25 16:05	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	219	S1+ cn	50 - 142				02/11/25 22:35	02/13/25 16:05	10000

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	7700		280	120	mg/Kg	☆	02/11/25 16:35	02/12/25 22:35	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	107		49 - 154				02/11/25 16:35	02/12/25 22:35	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.8	!	1.0	1.0	%	—		02/13/25 11:00	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: WC-12

Lab Sample ID: 410-207113-8

Date Collected: 02/05/25 12:00

Matrix: Solid

Date Received: 02/07/25 15:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		02/12/25 21:30	02/13/25 13:18	1
Barium	1.3	B cn	0.020	0.0075	mg/L		02/12/25 21:30	02/13/25 13:18	1
Cadmium	ND		0.0050	0.0015	mg/L		02/12/25 21:30	02/13/25 13:18	1
Chromium	ND		0.020	0.0055	mg/L		02/12/25 21:30	02/13/25 13:18	1
Lead	0.0087	B cn	0.0050	0.0012	mg/L		02/12/25 21:30	02/13/25 13:18	1
Selenium	ND		0.010	0.0028	mg/L		02/12/25 21:30	02/13/25 13:18	1
Silver	ND		0.0050	0.0010	mg/L		02/12/25 21:30	02/13/25 13:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000079	mg/L		02/12/25 23:50	02/13/25 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.6	!	1.0	1.0	%			02/11/25 07:48	1

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-207113-9

Date Collected: 02/05/25 00:00

Matrix: Water

Date Received: 02/07/25 15:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/13/25 01:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/13/25 01:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/13/25 01:09	1
Styrene	ND		5.0	0.30	ug/L			02/13/25 01:09	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/13/25 01:09	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/13/25 01:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/13/25 01:09	1
Methylcyclohexane	ND		5.0	0.50	ug/L			02/13/25 01:09	1
Toluene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Cyclohexane	ND	^c cn	5.0	1.0	ug/L			02/13/25 01:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/13/25 01:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/13/25 01:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			02/13/25 01:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/13/25 01:09	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/13/25 01:09	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/13/25 01:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/13/25 01:09	1
2-Hexanone	ND		10	0.85	ug/L			02/13/25 01:09	1
Acetone	ND		20	0.70	ug/L			02/13/25 01:09	1
Chloroform	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Benzene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Bromomethane	ND	^c cn	1.0	0.30	ug/L			02/13/25 01:09	1
Chloromethane	ND		2.0	0.55	ug/L			02/13/25 01:09	1
Chloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Carbon disulfide	0.35	J ^c cn	5.0	0.30	ug/L			02/13/25 01:09	1
Bromoform	ND		4.0	1.0	ug/L			02/13/25 01:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/13/25 01:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Freon 113	ND		10	0.30	ug/L			02/13/25 01:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
2-Butanone	ND		10	0.50	ug/L			02/13/25 01:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Trichloroethene	ND		1.0	0.30	ug/L			02/13/25 01:09	1
Methyl acetate	ND		5.0	0.30	ug/L			02/13/25 01:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			02/13/25 01:09	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/13/25 01:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/13/25 01:09	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/13/25 01:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-207113-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-207113-9

Date Collected: 02/05/25 00:00

Matrix: Water

Date Received: 02/07/25 15:55

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		02/13/25 01:09	1
Dibromofluoromethane (Surr)	98		80 - 120		02/13/25 01:09	1
4-Bromofluorobenzene (Surr)	89		80 - 120		02/13/25 01:09	1
Toluene-d8 (Surr)	94		80 - 120		02/13/25 01:09	1

Surrogate Summary

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

Job ID: 410-207113-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (54-135)	BFB (50-131)	DBFM (50-141)	TOL (52-141)
410-207113-1	WC-1	58 cn	189 S1+ cn	54 cn	75 cn
410-207113-5	WC-7	48 S1- cn	52 cn	45 S1- cn	50 S1- cn
LCS 410-606517/6	Lab Control Sample	100	98	98	100
LCSD 410-606517/8	Lab Control Sample Dup	100	96	96	96
MB 410-606517/7	Method Blank	99	94	96	98
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-207113-9	Trip Blank	101	98	89	94
LCS 410-605384/7	Lab Control Sample	97	96	89	98
MB 410-605384/9	Method Blank	100	98	91	98
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
DBFM = Dibromofluoromethane (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
TOL = Toluene-d8 (Surr)					

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (29-120)	NBZ (22-120)	TPHd14 (36-123)
410-207113-2	WC-4	54 cn	169 S1+ cn	88 cn
410-207113-2 - DL	WC-4	69 cn	206 S1+ cn	86 cn
LCS 410-605413/2-A	Lab Control Sample	58	59	93
MB 410-605413/1-A	Method Blank	76	77	105
Surrogate Legend				
FBP = 2-Fluorobiphenyl (Surr)				
NBZ = Nitrobenzene-d5 (Surr)				
TPHd14 = p-Terphenyl-d14 (Surr)				

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-207113-1

Project/Site: SPLP - Washington Crossing

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT-F1 (50-142)
410-207113-2	WC-4	0 S1-
410-207113-3	WC-5	398 S1+
410-207113-6	WC-10	142 cn
410-207113-7	WC-11	219 S1+
LCS 410-605550/6	Lab Control Sample	96
LCSD 410-605550/7	Lab Control Sample Dup	97
MB 410-605550/5	Method Blank	96

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP (49-154)
410-207113-2	WC-4	106
410-207113-3	WC-5	85
410-207113-6	WC-10	81
410-207113-6 MS	WC-10	78
410-207113-6 MSD	WC-10	88
410-207113-7	WC-11	107
LCS 410-604958/2-A	Lab Control Sample	92
MB 410-604958/1-A	Method Blank	85

Surrogate Legend

OTP = o- terphenyl (Surr)

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: MB 410-605384/9

Matrix: Water

Analysis Batch: 605384

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			02/13/25 00:49	1
Toluene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Xylenes, Total	ND		1.0	0.40	ug/L			02/13/25 00:49	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/13/25 00:49	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/13/25 00:49	1
Benzene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Carbon disulfide	ND		5.0	0.30	ug/L			02/13/25 00:49	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/13/25 00:49	1
Bromoform	ND		4.0	1.0	ug/L			02/13/25 00:49	1
Tetrachloroethene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Acetone	ND		20	0.70	ug/L			02/13/25 00:49	1
Methyl acetate	ND		5.0	0.30	ug/L			02/13/25 00:49	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/13/25 00:49	1
Freon 113	ND		10	0.30	ug/L			02/13/25 00:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Chloromethane	ND		2.0	0.55	ug/L			02/13/25 00:49	1
Bromomethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/13/25 00:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/13/25 00:49	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/13/25 00:49	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/13/25 00:49	1
Styrene	ND		5.0	0.30	ug/L			02/13/25 00:49	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/13/25 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Chloroethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/13/25 00:49	1
Trichloroethene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
2-Hexanone	ND		10	0.85	ug/L			02/13/25 00:49	1
2-Butanone	ND		10	0.50	ug/L			02/13/25 00:49	1
Methylcyclohexane	ND		5.0	0.50	ug/L			02/13/25 00:49	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Cyclohexane	ND		5.0	1.0	ug/L			02/13/25 00:49	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/13/25 00:49	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Chloroform	ND		1.0	0.30	ug/L			02/13/25 00:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/13/25 00:49	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/13/25 00:49	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/13/25 00:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/13/25 00:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: MB 410-605384/9

Matrix: Water

Analysis Batch: 605384

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		02/13/25 00:49	1
Dibromofluoromethane (Surr)	98		80 - 120		02/13/25 00:49	1
4-Bromofluorobenzene (Surr)	91		80 - 120		02/13/25 00:49	1
Toluene-d8 (Surr)	98		80 - 120		02/13/25 00:49	1

Lab Sample ID: LCS 410-605384/7

Matrix: Water

Analysis Batch: 605384

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	19.6		ug/L		98	80 - 120
Toluene	20.0	20.3		ug/L		101	80 - 120
Xylenes, Total	60.0	60.7		ug/L		101	80 - 120
Methyl tertiary butyl ether	20.0	18.1		ug/L		90	69 - 122
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120
Benzene	20.0	19.5		ug/L		97	80 - 120
1,1,1-Trichloroethane	20.0	18.8		ug/L		94	73 - 120
Carbon disulfide	20.0	23.8		ug/L		119	65 - 128
Isopropylbenzene	20.0	22.3		ug/L		112	80 - 120
Bromoform	20.0	22.5		ug/L		113	51 - 120
Tetrachloroethene	20.0	22.1		ug/L		111	80 - 120
1,1-Dichloroethane	20.0	18.3		ug/L		91	80 - 120
1,2-Dichloroethane	20.0	18.1		ug/L		91	73 - 124
1,2-Dichloropropane	20.0	18.0		ug/L		90	80 - 120
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120
Acetone	250	330		ug/L		132	57 - 143
Methyl acetate	20.0	17.0		ug/L		85	48 - 168
Dichlorodifluoromethane	20.0	23.1		ug/L		116	26 - 127
4-Methyl-2-pentanone	250	232		ug/L		93	62 - 133
Freon 113	20.0	18.2		ug/L		91	57 - 122
Methylene Chloride	20.0	19.7		ug/L		99	80 - 120
Chloromethane	20.0	18.6		ug/L		93	39 - 134
Bromomethane	20.0	23.2		ug/L		116	53 - 128
Dibromochloromethane	20.0	21.4		ug/L		107	71 - 120
1,2,4-Trichlorobenzene	20.0	20.3		ug/L		102	63 - 120
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.1		ug/L		81	60 - 120
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	80 - 120
Styrene	20.0	19.8		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 126
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		97	72 - 120
Chloroethane	20.0	20.5		ug/L		102	55 - 123
1,1-Dichloroethene	20.0	20.7		ug/L		103	80 - 131
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
Trichloroethene	20.0	19.1		ug/L		95	80 - 120
2-Hexanone	250	226		ug/L		90	56 - 135
2-Butanone	250	218		ug/L		87	59 - 135
Methylcyclohexane	20.0	16.9		ug/L		84	67 - 121

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: LCS 410-605384/7

Matrix: Water

Analysis Batch: 605384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorofluoromethane	20.0	20.8		ug/L		104	51 - 120
Cyclohexane	20.0	16.1		ug/L		81	68 - 126
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	67 - 120
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	80 - 125
Chloroform	20.0	18.9		ug/L		94	80 - 120
Vinyl chloride	20.0	21.2		ug/L		106	56 - 120
1,2-Dibromoethane	20.0	20.3		ug/L		102	77 - 120
Carbon tetrachloride	20.0	20.1		ug/L		100	64 - 134
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
Bromodichloromethane	20.0	18.9		ug/L		94	71 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	89		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 410-606517/7

Matrix: Solid

Analysis Batch: 606517

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			02/16/25 20:40	50
Toluene	ND		250	30	ug/Kg			02/16/25 20:40	50
Xylenes, Total	ND		250	70	ug/Kg			02/16/25 20:40	50
Methyl tertiary butyl ether	ND		250	30	ug/Kg			02/16/25 20:40	50
cis-1,3-Dichloropropene	ND		250	30	ug/Kg			02/16/25 20:40	50
Benzene	ND		250	25	ug/Kg			02/16/25 20:40	50
1,1,1-Trichloroethane	ND		250	35	ug/Kg			02/16/25 20:40	50
Carbon disulfide	ND		250	30	ug/Kg			02/16/25 20:40	50
Isopropylbenzene	ND		250	30	ug/Kg			02/16/25 20:40	50
Bromoform	ND		500	250	ug/Kg			02/16/25 20:40	50
Tetrachloroethene	ND		250	30	ug/Kg			02/16/25 20:40	50
1,1-Dichloroethane	ND		250	25	ug/Kg			02/16/25 20:40	50
1,2-Dichloroethane	ND		250	30	ug/Kg			02/16/25 20:40	50
1,2-Dichloropropane	ND		250	25	ug/Kg			02/16/25 20:40	50
1,1,2-Trichloroethane	ND		250	25	ug/Kg			02/16/25 20:40	50
Acetone	ND		1000	300	ug/Kg			02/16/25 20:40	50
Methyl acetate	ND		250	50	ug/Kg			02/16/25 20:40	50
Dichlorodifluoromethane	ND		250	30	ug/Kg			02/16/25 20:40	50
4-Methyl-2-pentanone	ND		500	75	ug/Kg			02/16/25 20:40	50
Freon 113	ND		500	35	ug/Kg			02/16/25 20:40	50
Methylene Chloride	ND		250	100	ug/Kg			02/16/25 20:40	50
Chloromethane	ND		250	45	ug/Kg			02/16/25 20:40	50
Bromomethane	ND		250	80	ug/Kg			02/16/25 20:40	50
Dibromochloromethane	ND		250	100	ug/Kg			02/16/25 20:40	50
1,2,4-Trichlorobenzene	ND		500	250	ug/Kg			02/16/25 20:40	50
Chlorobenzene	ND		250	25	ug/Kg			02/16/25 20:40	50

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: MB 410-606517/7

Matrix: Solid

Analysis Batch: 606517

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		250	50	ug/Kg			02/16/25 20:40	50
1,3-Dichlorobenzene	ND		250	25	ug/Kg			02/16/25 20:40	50
Styrene	ND		250	30	ug/Kg			02/16/25 20:40	50
trans-1,2-Dichloroethene	ND		250	30	ug/Kg			02/16/25 20:40	50
1,1,2,2-Tetrachloroethane	ND		250	30	ug/Kg			02/16/25 20:40	50
Chloroethane	ND		250	75	ug/Kg			02/16/25 20:40	50
1,1-Dichloroethene	ND		250	30	ug/Kg			02/16/25 20:40	50
1,2-Dichlorobenzene	ND		250	30	ug/Kg			02/16/25 20:40	50
Trichloroethene	ND		250	30	ug/Kg			02/16/25 20:40	50
2-Hexanone	ND		500	75	ug/Kg			02/16/25 20:40	50
2-Butanone	ND		500	100	ug/Kg			02/16/25 20:40	50
Methylcyclohexane	ND		250	30	ug/Kg			02/16/25 20:40	50
Trichlorofluoromethane	ND		250	40	ug/Kg			02/16/25 20:40	50
Cyclohexane	ND		250	25	ug/Kg			02/16/25 20:40	50
trans-1,3-Dichloropropene	ND		250	30	ug/Kg			02/16/25 20:40	50
cis-1,2-Dichloroethene	ND		250	30	ug/Kg			02/16/25 20:40	50
Chloroform	ND		250	30	ug/Kg			02/16/25 20:40	50
Vinyl chloride	ND		250	40	ug/Kg			02/16/25 20:40	50
1,2-Dibromoethane	ND		250	30	ug/Kg			02/16/25 20:40	50
Carbon tetrachloride	ND		250	100	ug/Kg			02/16/25 20:40	50
1,4-Dichlorobenzene	ND		250	25	ug/Kg			02/16/25 20:40	50
Bromodichloromethane	ND		250	35	ug/Kg			02/16/25 20:40	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		54 - 135		02/16/25 20:40	50
Dibromofluoromethane (Surr)	96		50 - 141		02/16/25 20:40	50
4-Bromofluorobenzene (Surr)	94		50 - 131		02/16/25 20:40	50
Toluene-d8 (Surr)	98		52 - 141		02/16/25 20:40	50

Lab Sample ID: LCS 410-606517/6

Matrix: Solid

Analysis Batch: 606517

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
Toluene	1000	1010		ug/Kg		101	71 - 120
Xylenes, Total	3000	2950		ug/Kg		98	75 - 120
Methyl tertiary butyl ether	1000	924		ug/Kg		92	63 - 120
cis-1,3-Dichloropropene	1000	883		ug/Kg		88	66 - 120
Benzene	1000	1020		ug/Kg		102	80 - 120
1,1,1-Trichloroethane	1000	932		ug/Kg		93	69 - 123
Carbon disulfide	1000	913		ug/Kg		91	64 - 133
Isopropylbenzene	1000	1080		ug/Kg		108	77 - 120
Bromoform	1000	756		ug/Kg		76	66 - 127
Tetrachloroethene	1000	954		ug/Kg		95	73 - 120
1,1-Dichloroethane	1000	1040		ug/Kg		104	68 - 120
1,2-Dichloroethane	1000	971		ug/Kg		97	72 - 124
1,2-Dichloropropane	1000	1010		ug/Kg		101	70 - 124

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: LCS 410-606517/6

Matrix: Solid

Analysis Batch: 606517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	1000	978		ug/Kg		98	76 - 120
Acetone	12500	13300		ug/Kg		107	28 - 169
Methyl acetate	1000	1300		ug/Kg		130	59 - 137
Dichlorodifluoromethane	1000	890		ug/Kg		89	44 - 120
4-Methyl-2-pentanone	12500	12600		ug/Kg		100	67 - 138
Freon 113	1000	1020		ug/Kg		102	53 - 126
Methylene Chloride	1000	1060		ug/Kg		106	76 - 122
Chloromethane	1000	889		ug/Kg		89	43 - 120
Bromomethane	1000	2370	*+	ug/Kg		237	60 - 120
Dibromochloromethane	1000	844		ug/Kg		84	69 - 125
1,2,4-Trichlorobenzene	1000	877		ug/Kg		88	69 - 130
Chlorobenzene	1000	988		ug/Kg		99	74 - 120
1,2-Dibromo-3-Chloropropane	1000	781		ug/Kg		78	61 - 134
1,3-Dichlorobenzene	1000	940		ug/Kg		94	75 - 120
Styrene	1000	954		ug/Kg		95	76 - 120
trans-1,2-Dichloroethene	1000	1060		ug/Kg		106	71 - 126
1,1,2,2-Tetrachloroethane	1000	980		ug/Kg		98	69 - 125
Chloroethane	1000	2190	*+	ug/Kg		219	55 - 127
1,1-Dichloroethene	1000	1120		ug/Kg		112	73 - 129
1,2-Dichlorobenzene	1000	926		ug/Kg		93	74 - 120
Trichloroethene	1000	1010		ug/Kg		101	72 - 120
2-Hexanone	12500	11900		ug/Kg		96	54 - 140
2-Butanone	12500	13600		ug/Kg		108	48 - 142
Methylcyclohexane	1000	1060		ug/Kg		106	61 - 124
Trichlorofluoromethane	1000	984		ug/Kg		98	49 - 120
Cyclohexane	1000	1030		ug/Kg		103	58 - 126
trans-1,3-Dichloropropene	1000	854		ug/Kg		85	68 - 122
cis-1,2-Dichloroethene	1000	1010		ug/Kg		101	80 - 125
Chloroform	1000	986		ug/Kg		99	73 - 120
Vinyl chloride	1000	946		ug/Kg		95	52 - 120
1,2-Dibromoethane	1000	940		ug/Kg		94	76 - 120
Carbon tetrachloride	1000	882		ug/Kg		88	64 - 120
1,4-Dichlorobenzene	1000	934		ug/Kg		93	76 - 122
Bromodichloromethane	1000	912		ug/Kg		91	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		54 - 135
Dibromofluoromethane (Surr)	98		50 - 141
4-Bromofluorobenzene (Surr)	98		50 - 131
Toluene-d8 (Surr)	100		52 - 141

Lab Sample ID: LCSD 410-606517/8

Matrix: Solid

Analysis Batch: 606517

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	942		ug/Kg		94	72 - 118	4	30
Toluene	1000	964		ug/Kg		96	71 - 120	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: LCSD 410-606517/8

Matrix: Solid

Analysis Batch: 606517

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
Xylenes, Total	3000	2840		ug/Kg		95	75 - 120	4	30
Methyl tertiary butyl ether	1000	913		ug/Kg		91	63 - 120	1	30
cis-1,3-Dichloropropene	1000	863		ug/Kg		86	66 - 120	2	30
Benzene	1000	987		ug/Kg		99	80 - 120	3	30
1,1,1-Trichloroethane	1000	907		ug/Kg		91	69 - 123	3	30
Carbon disulfide	1000	873		ug/Kg		87	64 - 133	4	30
Isopropylbenzene	1000	1050		ug/Kg		105	77 - 120	3	30
Bromoform	1000	755		ug/Kg		76	66 - 127	0	30
Tetrachloroethene	1000	913		ug/Kg		91	73 - 120	4	30
1,1-Dichloroethane	1000	1010		ug/Kg		101	68 - 120	3	30
1,2-Dichloroethane	1000	955		ug/Kg		96	72 - 124	2	30
1,2-Dichloropropane	1000	994		ug/Kg		99	70 - 124	2	30
1,1,2-Trichloroethane	1000	963		ug/Kg		96	76 - 120	2	30
Acetone	12500	13500		ug/Kg		108	28 - 169	1	30
Methyl acetate	1000	1170		ug/Kg		117	59 - 137	11	30
Dichlorodifluoromethane	1000	857		ug/Kg		86	44 - 120	4	30
4-Methyl-2-pentanone	12500	12700		ug/Kg		101	67 - 138	1	30
Freon 113	1000	973		ug/Kg		97	53 - 126	5	30
Methylene Chloride	1000	1040		ug/Kg		104	76 - 122	2	30
Chloromethane	1000	861		ug/Kg		86	43 - 120	3	30
Bromomethane	1000	2780	*+	ug/Kg		278	60 - 120	16	30
Dibromochloromethane	1000	842		ug/Kg		84	69 - 125	0	30
1,2,4-Trichlorobenzene	1000	853		ug/Kg		85	69 - 130	3	30
Chlorobenzene	1000	950		ug/Kg		95	74 - 120	4	30
1,2-Dibromo-3-Chloropropane	1000	775		ug/Kg		78	61 - 134	1	30
1,3-Dichlorobenzene	1000	913		ug/Kg		91	75 - 120	3	30
Styrene	1000	927		ug/Kg		93	76 - 120	3	30
trans-1,2-Dichloroethene	1000	1000		ug/Kg		100	71 - 126	6	30
1,1,2,2-Tetrachloroethane	1000	959		ug/Kg		96	69 - 125	2	30
Chloroethane	1000	2430	*+	ug/Kg		243	55 - 127	10	30
1,1-Dichloroethene	1000	1080		ug/Kg		108	73 - 129	4	30
1,2-Dichlorobenzene	1000	897		ug/Kg		90	74 - 120	3	30
Trichloroethene	1000	971		ug/Kg		97	72 - 120	4	30
2-Hexanone	12500	12200		ug/Kg		97	54 - 140	2	30
2-Butanone	12500	14600		ug/Kg		117	48 - 142	8	30
Methylcyclohexane	1000	1010		ug/Kg		101	61 - 124	5	30
Trichlorofluoromethane	1000	927		ug/Kg		93	49 - 120	6	30
Cyclohexane	1000	993		ug/Kg		99	58 - 126	4	30
trans-1,3-Dichloropropene	1000	831		ug/Kg		83	68 - 122	3	30
cis-1,2-Dichloroethene	1000	980		ug/Kg		98	80 - 125	3	30
Chloroform	1000	955		ug/Kg		95	73 - 120	3	30
Vinyl chloride	1000	909		ug/Kg		91	52 - 120	4	30
1,2-Dibromoethane	1000	932		ug/Kg		93	76 - 120	1	30
Carbon tetrachloride	1000	850		ug/Kg		85	64 - 120	4	30
1,4-Dichlorobenzene	1000	910		ug/Kg		91	76 - 122	3	30
Bromodichloromethane	1000	898		ug/Kg		90	70 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: LCSD 410-606517/8

Matrix: Solid

Analysis Batch: 606517

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		54 - 135
Dibromofluoromethane (Surr)	96		50 - 141
4-Bromofluorobenzene (Surr)	96		50 - 131
Toluene-d8 (Surr)	96		52 - 141

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

Lab Sample ID: MB 410-605413/1-A

Matrix: Solid

Analysis Batch: 606661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605413

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Acenaphthene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Acenaphthylene	ND		17	4.0	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Anthracene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Benzo[a]anthracene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Benzo[a]pyrene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Benzo[b]fluoranthene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Benzo[g,h,i]perylene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Benzo[k]fluoranthene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Chrysene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Dibenz(a,h)anthracene	ND		17	6.7	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Fluoranthene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Fluorene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Indeno[1,2,3-cd]pyrene	ND		17	4.0	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Naphthalene	ND		17	6.7	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Phenanthrene	ND		17	4.0	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Pyrene	ND		17	3.3	ug/Kg		02/12/25 16:10	02/17/25 13:30	1	
Surrogate	MB	MB					Prepared	Analyzed	Dil	Fac
	%Recovery	Qualifier	Limits							
2-Fluorobiphenyl (Surr)	76		29 - 120				02/12/25 16:10	02/17/25 13:30	1	
Nitrobenzene-d5 (Surr)	77		22 - 120				02/12/25 16:10	02/17/25 13:30	1	
p-Terphenyl-d14 (Surr)	105		36 - 123				02/12/25 16:10	02/17/25 13:30	1	

Lab Sample ID: LCS 410-605413/2-A

Matrix: Solid

Analysis Batch: 606661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605413

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Acenaphthene	1670	1060		ug/Kg		64	61 - 120		
Acenaphthylene	1670	1120		ug/Kg		67	60 - 120		
Anthracene	1670	1370		ug/Kg		82	69 - 120		
Benzo[a]anthracene	1670	1360		ug/Kg		81	68 - 120		
Benzo[a]pyrene	1670	1440		ug/Kg		86	71 - 120		
Benzo[b]fluoranthene	1670	1380		ug/Kg		83	66 - 120		
Benzo[g,h,i]perylene	1670	1350		ug/Kg		81	69 - 120		
Benzo[k]fluoranthene	1670	1360		ug/Kg		81	63 - 120		
Chrysene	1670	1310		ug/Kg		79	67 - 120		

QC Sample Results

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

Job ID: 410-207113-1

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

Lab Sample ID: LCS 410-605413/2-A

Matrix: Solid

Analysis Batch: 606661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	1670	1360		ug/Kg		81	70 - 123
Fluoranthene	1670	1390		ug/Kg		83	67 - 120
Fluorene	1670	1230		ug/Kg		74	63 - 120
Indeno[1,2,3-cd]pyrene	1670	1350		ug/Kg		81	67 - 122
Naphthalene	1670	1010		ug/Kg		61	56 - 120
Phenanthrene	1670	1310		ug/Kg		78	63 - 120
Pyrene	1670	1350		ug/Kg		81	65 - 120

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
2-Fluorobiphenyl (Surr)	58		29 - 120
Nitrobenzene-d5 (Surr)	59		22 - 120
p-Terphenyl-d14 (Surr)	93		36 - 123

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-605550/5

Matrix: Solid

Analysis Batch: 605550

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.040	0.016	mg/Kg			02/13/25 09:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	96		50 - 142					02/13/25 09:55	1

Lab Sample ID: LCS 410-605550/6

Matrix: Solid

Analysis Batch: 605550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline (Unleaded) (1C)			0.440	0.459		mg/Kg		104	67 - 120
			LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	96		50 - 142						

Lab Sample ID: LCSD 410-605550/7

Matrix: Solid

Analysis Batch: 605550

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline (Unleaded) (1C)			0.440	0.465		mg/Kg		106	67 - 120	1	30
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene (fid) (1C)	97		50 - 142								

QC Sample Results

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

Job ID: 410-207113-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-604958/1-A

Matrix: Solid

Analysis Batch: 605255

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		12	5.0	mg/Kg		02/11/25 16:35	02/12/25 13:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	85		49 - 154				02/11/25 16:35	02/12/25 13:31	1

Lab Sample ID: LCS 410-604958/2-A

Matrix: Solid

Analysis Batch: 605255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	133	116		mg/Kg		87	78 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o- terphenyl (Surr)	92		49 - 154				

Lab Sample ID: 410-207113-6 MS

Matrix: Solid

Analysis Batch: 605255

Client Sample ID: WC-10

Prep Type: Total/NA

Prep Batch: 604958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	1200	4	154	1110	4	mg/Kg	☼	-79	78 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
o- terphenyl (Surr)	78		49 - 154						

Lab Sample ID: 410-207113-6 MSD

Matrix: Solid

Analysis Batch: 605255

Client Sample ID: WC-10

Prep Type: Total/NA

Prep Batch: 604958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	1200	4	153	1960	4 F2	mg/Kg	☼	476	78 - 120	55	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o- terphenyl (Surr)	88		49 - 154								

Method: 6020B - Metals (ICP/MS)

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
Arsenic	ND		0.40	0.13	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Antimony	ND		0.20	0.080	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Barium	ND		0.40	0.18	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Cadmium	ND		0.10	0.040	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Beryllium	ND		0.10	0.024	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Lead	ND		0.20	0.076	mg/Kg		02/13/25 22:00	02/17/25 20:36	2

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QC Sample Results

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

Job ID: 410-207113-1

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

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
Copper	ND		0.40	0.18	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Nickel	ND		0.40	0.19	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Thallium	ND		0.10	0.039	mg/Kg		02/13/25 22:00	02/17/25 20:36	2
Zinc	ND		30	4.0	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
Arsenic	50.0	53.0		mg/Kg		106	87 - 114
Antimony	10.0	10.5		mg/Kg		105	87 - 116
Barium	50.0	53.1		mg/Kg		106	87 - 117
Cadmium	5.00	5.05		mg/Kg		101	88 - 117
Beryllium	5.00	4.82		mg/Kg		96	80 - 120
Lead	5.00	5.36		mg/Kg		107	88 - 117
Copper	50.0	52.5		mg/Kg		105	84 - 115
Nickel	50.0	53.4		mg/Kg		107	87 - 115
Thallium	10.0	10.6		mg/Kg		106	87 - 116
Zinc	50.0	53.0		mg/Kg		106	86 - 116

Lab Sample ID: MB 410-605256/1-A

Matrix: Solid

Analysis Batch: 605803

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 605256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		02/12/25 21:30	02/13/25 13:02	1
Barium	ND		0.020	0.0075	mg/L		02/12/25 21:30	02/13/25 13:02	1
Cadmium	ND		0.0050	0.0015	mg/L		02/12/25 21:30	02/13/25 13:02	1
Chromium	ND		0.020	0.0055	mg/L		02/12/25 21:30	02/13/25 13:02	1
Lead	ND		0.0050	0.0012	mg/L		02/12/25 21:30	02/13/25 13:02	1
Selenium	ND		0.010	0.0028	mg/L		02/12/25 21:30	02/13/25 13:02	1
Silver	ND		0.0050	0.0010	mg/L		02/12/25 21:30	02/13/25 13:02	1

Lab Sample ID: LCS 410-605256/2-A

Matrix: Solid

Analysis Batch: 605803

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 605256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	5.07		mg/L		101	90 - 109
Barium	5.00	5.10		mg/L		102	90 - 113
Cadmium	0.500	0.474		mg/L		95	90 - 112
Chromium	5.00	5.00		mg/L		100	90 - 110
Lead	0.500	0.494		mg/L		99	90 - 110
Selenium	1.00	1.04		mg/L		104	90 - 110
Silver	0.500	0.509		mg/L		102	90 - 112

QC Sample Results

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

Job ID: 410-207113-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-605258/1-A

Matrix: Solid

Analysis Batch: 605786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000079	mg/L		02/12/25 23:50	02/13/25 10:54	1

Lab Sample ID: LCS 410-605258/2-A

Matrix: Solid

Analysis Batch: 605786

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.00115		mg/L		115	80 - 118

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 410-607026/1

Matrix: Solid

Analysis Batch: 607026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability (Flashpoint)	127	135		Degrees F		106	90 - 110

Lab Sample ID: LCSD 410-607026/2

Matrix: Solid

Analysis Batch: 607026

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
Ignitability (Flashpoint)	127	135		Degrees F		106	90 - 110	0	4

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 410-607574/1-A

Matrix: Solid

Analysis Batch: 607894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 607574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		90	20	mg/Kg		02/19/25 07:55	02/19/25 15:10	1

Lab Sample ID: LCS 410-607574/2-A

Matrix: Solid

Analysis Batch: 607894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	ND		mg/Kg		3	0 - 5.14

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 410-607574/1-A

Matrix: Solid

Analysis Batch: 607810

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 607574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		160	54	mg/Kg		02/19/25 07:55	02/19/25 13:21	1

QC Sample Results

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

Job ID: 410-207113-1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 410-607574/24-A

Matrix: Solid

Analysis Batch: 607810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	538	457		mg/Kg		85	62 - 104

Method: 9045D - pH

Lab Sample ID: LCS 410-607068/1-A

Matrix: Solid

Analysis Batch: 607094

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.1		S.U.		102	95 - 105

QC Association Summary

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

Job ID: 410-207113-1

GC/MS VOA

Analysis Batch: 605384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-9	Trip Blank	Total/NA	Water	8260C	
MB 410-605384/9	Method Blank	Total/NA	Water	8260C	
LCS 410-605384/7	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 605906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-1	WC-1	Total/NA	Solid	5035	
410-207113-5	WC-7	Total/NA	Solid	5035	
410-207113-5 - RA	WC-7	Total/NA	Solid	5035	

Analysis Batch: 606517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-1	WC-1	Total/NA	Solid	8260C	605906
410-207113-5	WC-7	Total/NA	Solid	8260C	605906
MB 410-606517/7	Method Blank	Total/NA	Solid	8260C	
LCS 410-606517/6	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 410-606517/8	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 606880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-5 - RA	WC-7	Total/NA	Solid	8260C	605906
MB 410-606880/6	Method Blank	Total/NA	Solid	8260C	
LCS 410-606880/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 410-606880/7	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 605413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	3546	
410-207113-2 - DL	WC-4	Total/NA	Solid	3546	
MB 410-605413/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-605413/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 606661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-605413/1-A	Method Blank	Total/NA	Solid	8270D	605413
LCS 410-605413/2-A	Lab Control Sample	Total/NA	Solid	8270D	605413

Analysis Batch: 606921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	8270D	605413

Analysis Batch: 607555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2 - DL	WC-4	Total/NA	Solid	8270D	605413

GC VOA

Prep Batch: 605024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	5030C	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-207113-1

GC VOA (Continued)

Prep Batch: 605024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-3	WC-5	Total/NA	Solid	5030C	
410-207113-6	WC-10	Total/NA	Solid	5030C	
410-207113-7	WC-11	Total/NA	Solid	5030C	

Analysis Batch: 605550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	8015D	605024
410-207113-3	WC-5	Total/NA	Solid	8015D	605024
410-207113-6	WC-10	Total/NA	Solid	8015D	605024
410-207113-7	WC-11	Total/NA	Solid	8015D	605024
MB 410-605550/5	Method Blank	Total/NA	Solid	8015D	
LCS 410-605550/6	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 410-605550/7	Lab Control Sample Dup	Total/NA	Solid	8015D	

GC Semi VOA

Prep Batch: 604958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	3546	
410-207113-3	WC-5	Total/NA	Solid	3546	
410-207113-6	WC-10	Total/NA	Solid	3546	
410-207113-7	WC-11	Total/NA	Solid	3546	
MB 410-604958/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-604958/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-207113-6 MS	WC-10	Total/NA	Solid	3546	
410-207113-6 MSD	WC-10	Total/NA	Solid	3546	

Analysis Batch: 605255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	8015D	604958
410-207113-3	WC-5	Total/NA	Solid	8015D	604958
410-207113-6	WC-10	Total/NA	Solid	8015D	604958
410-207113-7	WC-11	Total/NA	Solid	8015D	604958
MB 410-604958/1-A	Method Blank	Total/NA	Solid	8015D	604958
LCS 410-604958/2-A	Lab Control Sample	Total/NA	Solid	8015D	604958
410-207113-6 MS	WC-10	Total/NA	Solid	8015D	604958
410-207113-6 MSD	WC-10	Total/NA	Solid	8015D	604958

Metals

Leach Batch: 604657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	TCLP	Solid	1311	

Prep Batch: 605051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-4	WC-6	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	

QC Association Summary

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

Job ID: 410-207113-1

Metals

Prep Batch: 605256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	TCLP	Solid	3005A	604657
MB 410-605256/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 410-605256/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Prep Batch: 605258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	TCLP	Solid	7470A	604657
MB 410-605258/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 410-605258/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 605786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	TCLP	Solid	7470A	605258
MB 410-605258/1-A	Method Blank	Total/NA	Solid	7470A	605258
LCS 410-605258/2-A	Lab Control Sample	Total/NA	Solid	7470A	605258

Analysis Batch: 605803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	TCLP	Solid	6020B	605256
MB 410-605256/1-A	Method Blank	Total Recoverable	Solid	6020B	605256
LCS 410-605256/2-A	Lab Control Sample	Total Recoverable	Solid	6020B	605256

Analysis Batch: 606990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-4	WC-6	Total/NA	Solid	6020B	605051
MB 410-605051/1-A ^2	Method Blank	Total/NA	Solid	6020B	605051
LCS 410-605051/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	605051

General Chemistry

Analysis Batch: 604605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-8	WC-12	Total/NA	Solid	Moisture	

Analysis Batch: 604838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-1	WC-1	Total/NA	Solid	Moisture	
410-207113-2	WC-4	Total/NA	Solid	Moisture	
410-207113-3	WC-5	Total/NA	Solid	Moisture	
410-207113-4	WC-6	Total/NA	Solid	Moisture	
410-207113-5	WC-7	Total/NA	Solid	Moisture	

Analysis Batch: 605716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-6	WC-10	Total/NA	Solid	Moisture	
410-207113-7	WC-11	Total/NA	Solid	Moisture	

Analysis Batch: 607026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	1010B	
LCS 410-607026/1	Lab Control Sample	Total/NA	Solid	1010B	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-207113-1

General Chemistry (Continued)

Analysis Batch: 607026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-607026/2	Lab Control Sample Dup	Total/NA	Solid	1010B	

Leach Batch: 607068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Soluble	Solid	DI Leach	
LCS 410-607068/1-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 607094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Soluble	Solid	9045D	607068
LCS 410-607068/1-A	Lab Control Sample	Soluble	Solid	9045D	607068

Prep Batch: 607574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	7.3.4	
MB 410-607574/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 410-607574/24-A	Lab Control Sample	Total/NA	Solid	7.3.4	
LCS 410-607574/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 607810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	9034	607574
MB 410-607574/1-A	Method Blank	Total/NA	Solid	9034	607574
LCS 410-607574/24-A	Lab Control Sample	Total/NA	Solid	9034	607574

Analysis Batch: 607894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-207113-2	WC-4	Total/NA	Solid	9012	607574
MB 410-607574/1-A	Method Blank	Total/NA	Solid	9012	607574
LCS 410-607574/2-A	Lab Control Sample	Total/NA	Solid	9012	607574

Lab Chronicle

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

Job ID: 410-207113-1

Client Sample ID: WC-1

Lab Sample ID: 410-207113-1

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	604838	E5GC	ELLE	02/11/25 13:28

Client Sample ID: WC-1

Lab Sample ID: 410-207113-1

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			605906	UK3O	ELLE	02/13/25 20:56
Total/NA	Analysis	8260C		100	606517	Y6ZN	ELLE	02/17/25 04:17

Client Sample ID: WC-4

Lab Sample ID: 410-207113-2

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1010B		1	607026	USAE	ELLE	02/18/25 06:47 - 02/18/25 06:47 ¹
Total/NA	Prep	7.3.4			607574	USE1	ELLE	02/19/25 07:55
Total/NA	Analysis	9012		1	607894	JCG7	ELLE	02/19/25 15:18
Total/NA	Prep	7.3.4			607574	USE1	ELLE	02/19/25 07:55
Total/NA	Analysis	9034		1	607810	USE1	ELLE	02/19/25 13:21
Soluble	Leach	DI Leach			607068	M98K	ELLE	02/18/25 06:30
Soluble	Analysis	9045D		1	607094	M98K	ELLE	02/18/25 08:30
Total/NA	Analysis	Moisture		1	604838	E5GC	ELLE	02/11/25 13:28

Client Sample ID: WC-4

Lab Sample ID: 410-207113-2

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			605413	MD4W	ELLE	02/12/25 16:10
Total/NA	Analysis	8270D		1	606921	WH7Z	ELLE	02/18/25 01:43
Total/NA	Prep	3546	DL		605413	MD4W	ELLE	02/12/25 16:10
Total/NA	Analysis	8270D	DL	5	607555	TB8M	ELLE	02/19/25 13:31
Total/NA	Prep	5030C			605024	UK3O	ELLE	02/11/25 22:35
Total/NA	Analysis	8015D		20000	605550	WJ7F	ELLE	02/13/25 16:42
Total/NA	Prep	3546			604958	MD4W	ELLE	02/11/25 16:35
Total/NA	Analysis	8015D		20	605255	KP5X	ELLE	02/12/25 21:04

Client Sample ID: WC-5

Lab Sample ID: 410-207113-3

Date Collected: 02/04/25 09:45

Matrix: Solid

Date Received: 02/07/25 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	604838	E5GC	ELLE	02/11/25 13:28

Lab Chronicle

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

Job ID: 410-207113-1

Client Sample ID: WC-5

Date Collected: 02/04/25 09:45

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-3

Matrix: Solid

Percent Solids: 85.2

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	8015D		20000	605550	WJ7F	ELLE	02/13/25 17:14
Total/NA	Prep	3546			604958	MD4W	ELLE	02/11/25 16:35
Total/NA	Analysis	8015D		10	605255	KP5X	ELLE	02/12/25 21:22

Client Sample ID: WC-6

Date Collected: 02/04/25 09:45

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	604838	E5GC	ELLE	02/11/25 13:28

Client Sample ID: WC-6

Date Collected: 02/04/25 09:45

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-4

Matrix: Solid

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			605051	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	606990	LHF4	ELLE	02/17/25 22:24

Client Sample ID: WC-7

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	604838	E5GC	ELLE	02/11/25 13:28

Client Sample ID: WC-7

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-5

Matrix: Solid

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			605906	UK3O	ELLE	02/13/25 20:56
Total/NA	Analysis	8260C		500	606517	Y6ZN	ELLE	02/17/25 04:58
Total/NA	Prep	5035	RA		605906	UK3O	ELLE	02/13/25 20:56
Total/NA	Analysis	8260C	RA	500	606880	Y6ZN	ELLE	02/17/25 21:13

Client Sample ID: WC-10

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605716	UGCW	ELLE	02/13/25 11:00

Lab Chronicle

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

Job ID: 410-207113-1

Client Sample ID: WC-10

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-6

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	5030C			605024	UK3O	ELLE	02/11/25 22:35
Total/NA	Analysis	8015D		10000	605550	WJ7F	ELLE	02/13/25 15:32
Total/NA	Prep	3546			604958	MD4W	ELLE	02/11/25 16:35
Total/NA	Analysis	8015D		5	605255	KP5X	ELLE	02/12/25 21:40

Client Sample ID: WC-11

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	605716	UGCW	ELLE	02/13/25 11:00

Client Sample ID: WC-11

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-7

Matrix: Solid

Percent Solids: 85.2

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	8015D		10000	605550	WJ7F	ELLE	02/13/25 16:05
Total/NA	Prep	3546			604958	MD4W	ELLE	02/11/25 16:35
Total/NA	Analysis	8015D		20	605255	KP5X	ELLE	02/12/25 22:35

Client Sample ID: WC-12

Date Collected: 02/05/25 12:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			604657	UNWS	ELLE	02/11/25 14:01 - 02/12/25 07:32 ¹
TCLP	Prep	3005A			605256	UAMX	ELLE	02/12/25 21:30
TCLP	Analysis	6020B		1	605803	SAM2	ELLE	02/13/25 13:18
TCLP	Leach	1311			604657	UNWS	ELLE	02/11/25 14:01 - 02/12/25 07:32 ¹
TCLP	Prep	7470A			605258	UAMX	ELLE	02/12/25 23:50
TCLP	Analysis	7470A		1	605786	X3ZX	ELLE	02/13/25 11:07
Total/NA	Analysis	Moisture		1	604605	E5GC	ELLE	02/11/25 07:48

Client Sample ID: Trip Blank

Date Collected: 02/05/25 00:00

Date Received: 02/07/25 15:55

Lab Sample ID: 410-207113-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	605384	Z6YX	ELLE	02/13/25 01:09

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

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

Job ID: 410-207113-1

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: 410-207113-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	ELLE
9012	Cyanide, Reactive	SW846	ELLE
9034	Sulfide, Reactive	SW846	ELLE
9045D	pH	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
1311	TCLP Extraction	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3050B	Preparation, Metals	SW846	ELLE
3546	Microwave Extraction	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE
7.3.3	Cyanide, Reactive	SW846	ELLE
7.3.4	Sulfide, Reactive	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
DI Leach	Deionized Water Leaching Procedure	ASTM	ELLE

Protocol References:

ASTM = ASTM International

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: 410-207113-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-207113-1	WC-1	Solid	02/04/25 09:45	02/07/25 15:55
410-207113-2	WC-4	Solid	02/04/25 09:45	02/07/25 15:55
410-207113-3	WC-5	Solid	02/04/25 09:45	02/07/25 15:55
410-207113-4	WC-6	Solid	02/04/25 09:45	02/07/25 15:55
410-207113-5	WC-7	Solid	02/05/25 12:00	02/07/25 15:55
410-207113-6	WC-10	Solid	02/05/25 12:00	02/07/25 15:55
410-207113-7	WC-11	Solid	02/05/25 12:00	02/07/25 15:55
410-207113-8	WC-12	Solid	02/05/25 12:00	02/07/25 15:55
410-207113-9	Trip Blank	Water	02/05/25 00:00	02/07/25 15:55



410-207113 Chain of Custody

Chain of Custody Record
N/A - Sunoco Pipeline

7:

Regulatory Agency:

PADEP - Southeast Region

Requested Due Date (mm/dd/yy): Normal TAT

COC Tracking Number:

Page 1 of 1

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

Lab Name:	Lancaster Laboratories	Facility Addr:	Washington Crossing	Consultant/Contra:	GES, Inc.
Address:	2425 New Holland Pike	Facility City:	Washington Crossing PA	Address:	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 Proj:	0225040-06-209
Tele/Fax:	(717) 656-2308 x 1501/(717) 656-6766	Address:	100 Green Street	Consultant/Contractor PM:	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, gesinbo@gesonline.com	Tele/F:	610-212-6972	Invoice:	ges-invoices@gesonline.com

State where samples were collected: PA; For Compliance: N

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	None			VOCs - 8260	TPH-GRO, TPH-DRO - 8015	Total RCRA 8 Metals - 6010 - Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium,	TCPL Metals - 6010 - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver	Reactivity, Corrosivity, Ignitability	PAHs		
1	WC-1	0945	2/4/2025	G	X		2					X							
2	WC-4	0945	2/4/2025	C	X		34					X			X	X			
3	WC-5	0945	2/4/2025	C	X		3					X							
4	WC-6	0945	2/4/2025	C	X		1						X						
5	WC-7	1200	2/5/2025	G	X		2			X									
6	WC-10	1200	2/5/2025	C	X		3					X							
7	WC-11	1200	2/5/2025	C	X		3					X							
8	WC-12	1200	2/5/2025	C	X		1						X						
9	Trip Blank	-	2/5/25	-		Y													
10																			

Sampler's Name: Jason Crone	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: GES, Inc.	Jason Crone	2/6/25	1730	GES-Field	2/6/25	1730
Shipment Date:	Jason Crone	2/7/25	0830	GES-Field	2/7/25	0830
Shipment Method: Drop off	Jason Crone	2/7/25	1555	GES-Field	2/7/25	1555
Shipment Tracking No:						
Special Instructions:						
Custody Seals In Place Yes No	Temp Blank Yes No	Cooler Temperature on Receipt OF/C				

R1.0-CO.9

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-207113-1

Login Number: 207113

List Number: 1

Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	