Appendix O

Laboratory Analytical Soil Samples

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/19/2025 5:05:27 PM

JOB DESCRIPTION

SPLP - Washington Crossing

JOB NUMBER

410-206485-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

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

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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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

General Chemistry

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

Glossary

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

Job Narrative
410-206485-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

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

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

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

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

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

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

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

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

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

Detection Summary

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

Job ID: 410-206485-1

Client Sample ID: PE-1 — Lab Sample ID: 410-206485-1

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

Client Sample ID: PE-2 — Lab Sample ID: 410-206485-2

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

Client Sample ID: PE-3 — Lab Sample ID: 410-206485-3

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

Client Sample ID: PE-4 — Lab Sample ID: 410-206485-4

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

Client Sample ID: PE-5 — Lab Sample ID: 410-206485-5

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

Client Sample ID: PE-6 — Lab Sample ID: 410-206485-6

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

Client Sample ID: PE-7 — Lab Sample ID: 410-206485-7

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

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-8
Lab Sample ID: 410-206485-8

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

Client Sample ID: Trip Blank
Lab Sample ID: 410-206485-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-1
Lab Sample ID: 410-206485-1
Date Collected: 02/04/25 08:15
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**19000**	**cn**	6400	510	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2-Dichloroethane	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,3,5-Trimethylbenzene	**110000**	**cn**	6400	640	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Toluene	**15000**	**cn**	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Xylenes, Total	**160000**	**cn**	6400	1800	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Methyl tertiary butyl ether	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Benzene	ND	cn	6400	640	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Naphthalene	**87000**	**cn**	6400	2500	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2,4-Trimethylbenzene	**290000**	**cn**	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
Isopropylbenzene	**16000**	**cn**	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000
1,2-Dibromoethane	ND	cn	6400	760	ug/Kg	☼	02/07/25 16:03	02/14/25 00:20	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*	*cn*	*54 - 135*	*02/07/25 16:03*	*02/14/25 00:20*	*1000*
4-Bromofluorobenzene (Surr)	*263*	*^c S1+ cn*	*50 - 131*	*02/07/25 16:03*	*02/14/25 00:20*	*1000*
Dibromofluoromethane (Surr)	*79*	*cn*	*50 - 141*	*02/07/25 16:03*	*02/14/25 00:20*	*1000*
Toluene-d8 (Surr)	*112*	*cn*	*52 - 141*	*02/07/25 16:03*	*02/14/25 00:20*	*1000*

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-2
Lab Sample ID: 410-206485-2
Date Collected: 02/04/25 08:25
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 84.2

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-3
Lab Sample ID: 410-206485-3
Date Collected: 02/04/25 08:30
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 81.4

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-4
Lab Sample ID: 410-206485-4
Date Collected: 02/04/25 08:35
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 88.3

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-5
Lab Sample ID: 410-206485-5
Date Collected: 02/04/25 08:40
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 88.1

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-6
Lab Sample ID: 410-206485-6

Date Collected: 02/04/25 08:45
Matrix: Solid

Date Received: 02/04/25 18:38
Percent Solids: 84.3

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

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

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

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

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

General Chemistry

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

Client Sample ID: PE-7
Lab Sample ID: 410-206485-7

Date Collected: 02/04/25 08:50
Matrix: Solid

Date Received: 02/04/25 18:38
Percent Solids: 86.7

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-8
Lab Sample ID: 410-206485-8
Date Collected: 02/04/25 08:55
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 86.6

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: Trip Blank
Lab Sample ID: 410-206485-9
Date Collected: 02/03/25 00:00
Matrix: Water
Date Received: 02/04/25 18:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/12/25 12:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Toluene	ND		1.0	0.30	ug/L			02/12/25 12:48	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:48	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/12/25 12:48	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/12/25 12:48	1
Benzene	ND		1.0	0.30	ug/L			02/12/25 12:48	1
Naphthalene	ND		5.0	1.0	ug/L			02/12/25 12:48	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/12/25 12:48	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/12/25 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/12/25 12:48*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*02/12/25 12:48*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*02/12/25 12:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/12/25 12:48*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

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

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

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

Surrogate Legend

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

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

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

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

Surrogate Legend

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

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

Job ID: 410-206485-1

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

Lab Sample ID: MB 410-604127/7
Matrix: Solid
Analysis Batch: 604127

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

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

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

Lab Sample ID: LCS 410-604127/5
Matrix: Solid
Analysis Batch: 604127

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

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

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

Lab Sample ID: LCSD 410-604127/6
Matrix: Solid
Analysis Batch: 604127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Lab Sample ID: LCSD 410-604127/6
Matrix: Solid
Analysis Batch: 604127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Lab Sample ID: MB 410-605912/7
Matrix: Solid
Analysis Batch: 605912

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

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

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

Lab Sample ID: LCS 410-605912/6
Matrix: Solid
Analysis Batch: 605912

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

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

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

Lab Sample ID: LCS 410-605912/6
Matrix: Solid
Analysis Batch: 605912

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

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

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

Lab Sample ID: LCSD 410-605912/8
Matrix: Solid
Analysis Batch: 605912

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

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

Lab Sample ID: MB 410-605184/6
Matrix: Water
Analysis Batch: 605184

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

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

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

Lab Sample ID: MB 410-605184/6
Matrix: Water
Analysis Batch: 605184

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

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

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

Lab Sample ID: LCS 410-605184/4
Matrix: Water
Analysis Batch: 605184

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

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

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

Lab Sample ID: LCSD 410-605184/5
Matrix: Water
Analysis Batch: 605184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Lab Sample ID: LCSD 410-605184/5
Matrix: Water
Analysis Batch: 605184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-605050/1-A ^2
Matrix: Solid
Analysis Batch: 607805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605050

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

Lab Sample ID: LCS 410-605050/2-A ^2
Matrix: Solid
Analysis Batch: 607805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605050

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

Lab Sample ID: MB 410-605051/1-A ^2
Matrix: Solid
Analysis Batch: 606990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605051

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

Lab Sample ID: LCS 410-605051/2-A ^2
Matrix: Solid
Analysis Batch: 606990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605051

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

Lab Sample ID: MB 410-606428/1-A ^2
Matrix: Solid
Analysis Batch: 606990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606428

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

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

Lab Sample ID: LCS 410-606428/2-A ^2
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 606990
Prep Batch: 606428

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	5.18		mg/Kg		104	88 - 117		

GC/MS VOA

Prep Batch: 603750

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

Prep Batch: 603754

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

Analysis Batch: 604127

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

Prep Batch: 605024

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

Analysis Batch: 605184

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

Analysis Batch: 605912

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

Metals

Prep Batch: 605050

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

Metals

Prep Batch: 605051

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

Prep Batch: 606428

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

Analysis Batch: 606990

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

Analysis Batch: 607805

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

General Chemistry

Analysis Batch: 603678

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

Client Sample ID: PE-1
Lab Sample ID: 410-206485-1
Date Collected: 02/04/25 08:15
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-1
Lab Sample ID: 410-206485-1
Date Collected: 02/04/25 08:15
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 83.1

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

Client Sample ID: PE-2
Lab Sample ID: 410-206485-2
Date Collected: 02/04/25 08:25
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-2
Lab Sample ID: 410-206485-2
Date Collected: 02/04/25 08:25
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			603750	F2QS	ELLE	02/07/25 15:36
Total/NA	Analysis	8260D		1	604127	DVW2	ELLE	02/10/25 19:03
Total/NA	Prep	3050B			605050	UAMX	ELLE	02/13/25 22:00
Total/NA	Analysis	6020B		2	607805	F7JF	ELLE	02/19/25 09:38

Client Sample ID: PE-3
Lab Sample ID: 410-206485-3
Date Collected: 02/04/25 08:30
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-3
Lab Sample ID: 410-206485-3
Date Collected: 02/04/25 08:30
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 81.4

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

Client Sample ID: PE-4
Lab Sample ID: 410-206485-4
Date Collected: 02/04/25 08:35
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-4
Lab Sample ID: 410-206485-4
Date Collected: 02/04/25 08:35
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 88.3

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

Client Sample ID: PE-5
Lab Sample ID: 410-206485-5
Date Collected: 02/04/25 08:40
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-5
Lab Sample ID: 410-206485-5
Date Collected: 02/04/25 08:40
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 88.1

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

Client Sample ID: PE-6
Lab Sample ID: 410-206485-6
Date Collected: 02/04/25 08:45
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-6
Lab Sample ID: 410-206485-6
Date Collected: 02/04/25 08:45
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 84.3

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

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-7
Lab Sample ID: 410-206485-7
Date Collected: 02/04/25 08:50
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-7
Lab Sample ID: 410-206485-7
Date Collected: 02/04/25 08:50
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 86.7

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

Client Sample ID: PE-8
Lab Sample ID: 410-206485-8
Date Collected: 02/04/25 08:55
Matrix: Solid
Date Received: 02/04/25 18:38

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

Client Sample ID: PE-8
Lab Sample ID: 410-206485-8
Date Collected: 02/04/25 08:55
Matrix: Solid
Date Received: 02/04/25 18:38
Percent Solids: 86.6

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

Client Sample ID: Trip Blank
Lab Sample ID: 410-206485-9
Date Collected: 02/03/25 00:00
Matrix: Water
Date Received: 02/04/25 18:38

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

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

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
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-206485-1
Project/Site: SPLP - Washington Crossing

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

410-206485 Chain of Custody

Page 1 of 1

On-site Time:	Temp: 0.0
Off-site Time:	Temp: 0.0
Sky Conditic	
Meteorologi	
Wind Speed: 0.0	Direction:

Sunoco DUNS #: N/A - Sun Pipeline / Logistics
Region:
State or Lead Regulatory Agency: PADEP - Southeast Region
Requested Due Date (mm/dd/yy): ~~2 DAY TAT~~
COC Tracking Number:

Lab Name: Lancaster Laboratories	Facility Addr Washington Crossing	Consultant/C GES, Inc.
Address: 2425 New Holland Pike	Facility City, Washington Crossing PA	Addr 410 Eagleview Blvd, Suite 110
Lancaster, PA 17605	Site Lat/Long: 0.0 0.0	Exton, PA 19341
Lab PM: Amek Carter	Sunoco PM Con Brad Fish	Consultant/Contractor 0225040-06-209
Tele/Fax: (717) 656-2308 x 1501/(717) 656-6766	Addres: 100 Green Street	Consultant/Contractor Stephanie Grillo
E-mail EDD To: No EQEDD needed	Marcus Hook, PA	Tele/Fax: (610) 458-1077x3064 / (610) 458-2300
E-mail Report To: sgrillo@gesonline.com, gesinbox@gesonline.com	Tele/F: 610-212-6972	Invoi ges-invoices@gesonline.com
State where samples were collected: PA; For Compliance: No		

Report Type & QC Level:

Item No.	Sample Description	Time	Date	Sample Type: G - Grab, C - Composite	Matrix: Soil	Matrix: Drinking Water	Matrix: Groundwater	Laboratory No.	No. of Containers	Preservative: MeOH/NAHSO4	Preservative: None	Requested Analysis: EPA Method 8260D (PAUGL) - BTEX, MTBE, Cumene, Naphthalene, 1,2,4-TMB, 1,3,5-TMB, 1,2-Dichloroethane	Requested Analysis: Master	Requested Analysis: WW208 - Lead	Sample Point Lat/Long and Comments
1	PE-1	0815	2/4/25	G	X		X		5	X	X	X	X	X	~~2 DAY TAT~~
2	PE-2	0825	2/4/25	G	X		X		5	X	X	X	X	X	
3	PE-3	0830	2/4/25	G	X				5	X	X	X	X	X	Standard
4	PE-4	0835	2/4/25	G	X				5	X	X	X	X	X	
5	PE-5	0840	2/4/25	G	X				5	X	X	X	X	X	
6	PE-6	0845	2/4/25	G	X				5	X	X	X	X	X	
7	PE-7	0850	2/4/25	G	X				5	X	X	X	X	X	
8	PE-8	0855	2/4/25	G	X				5	X	X	X	X	X	
9	Trip Blank	—	2/3/25	G	X				2	X	X	X			
10				G	X				4	X	X	X			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Jason Crow	Jason Crow	2/4/25	1620	Affiliation/GES	2/4/25	1600
Sampler's Comp: GES, Inc.	Affiliation/GES	2/4/25	1838			
Shipment Date:					2/4/25	1838
Shipment Metho Laboratory Courier						
Shipment Tracki						
Special Instruct ~~2 DAY TAT~~ Standard TAT						

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C

R: 2.1 C: 2.0

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-206485-1

Login Number: 206485

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Arroyo, Haley

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

SPLP - Washington Crossing

JOB NUMBER

410-207370-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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

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

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

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.

General Chemistry

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

Glossary

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

Job Narrative
410-207370-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 2/11/2025 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.5°C and 1.3°C.

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

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

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

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

Detection Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-9 — Lab Sample ID: 410-207370-1

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

Client Sample ID: PE-10 — Lab Sample ID: 410-207370-2

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

Client Sample ID: PE-11 — Lab Sample ID: 410-207370-3

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

Client Sample ID: PE-12 — Lab Sample ID: 410-207370-4

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

Client Sample ID: PE-13 — Lab Sample ID: 410-207370-5

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

Client Sample ID: PE-14 — Lab Sample ID: 410-207370-6

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

Client Sample ID: PE-15 — Lab Sample ID: 410-207370-7

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: PE-15 (Continued)
Lab Sample ID: 410-207370-7

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

Client Sample ID: PE-16
Lab Sample ID: 410-207370-8

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

Client Sample ID: Trip Blank
Lab Sample ID: 410-207370-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-9
Lab Sample ID: 410-207370-1
Date Collected: 02/11/25 09:45
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 86.4

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-10
Lab Sample ID: 410-207370-2
Date Collected: 02/11/25 09:50
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 87.2

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-11
Lab Sample ID: 410-207370-3
Date Collected: 02/11/25 09:55
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 86.3

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-12
Lab Sample ID: 410-207370-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 87.1

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-13
Lab Sample ID: 410-207370-5
Date Collected: 02/11/25 10:05
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 85.3

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-14
Lab Sample ID: 410-207370-6
Date Collected: 02/11/25 10:10
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 81.8

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-15
Lab Sample ID: 410-207370-7
Date Collected: 02/11/25 10:15
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 84.4

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-16
Lab Sample ID: 410-207370-8

Date Collected: 02/11/25 11:15
Matrix: Solid

Date Received: 02/11/25 16:50
Percent Solids: 81.7

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

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

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

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

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

General Chemistry

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: Trip Blank
Lab Sample ID: 410-207370-9
Date Collected: 02/06/25 00:00
Matrix: Water
Date Received: 02/11/25 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/19/25 14:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Toluene	ND		1.0	0.30	ug/L			02/19/25 14:06	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			02/19/25 14:06	1
Xylenes, Total	ND		6.0	0.40	ug/L			02/19/25 14:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			02/19/25 14:06	1
Benzene	ND		1.0	0.30	ug/L			02/19/25 14:06	1
Naphthalene	ND		5.0	1.0	ug/L			02/19/25 14:06	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			02/19/25 14:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/19/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/19/25 14:06*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*02/19/25 14:06*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*02/19/25 14:06*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/19/25 14:06*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

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

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

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

Surrogate Legend

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

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

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

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

Surrogate Legend

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

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

Job ID: 410-207370-1

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

Lab Sample ID: MB 410-608548/7
Matrix: Solid
Analysis Batch: 608548

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

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

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

Lab Sample ID: LCS 410-608548/6
Matrix: Solid
Analysis Batch: 608548

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

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

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

Lab Sample ID: LCSD 410-608548/8
Matrix: Solid
Analysis Batch: 608548

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Lab Sample ID: LCSD 410-608548/8
Matrix: Solid
Analysis Batch: 608548

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

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

Lab Sample ID: MB 410-607669/7
Matrix: Water
Analysis Batch: 607669

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

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

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

Lab Sample ID: LCS 410-607669/5
Matrix: Water
Analysis Batch: 607669

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

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

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

Lab Sample ID: LCS 410-607669/5
Matrix: Water
Analysis Batch: 607669

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

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

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

Lab Sample ID: LCSD 410-607669/6
Matrix: Water
Analysis Batch: 607669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-606435/1-A ^2
Matrix: Solid
Analysis Batch: 608022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606435

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

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

Lab Sample ID: LCS 410-606435/2-A ^2
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 608022
Prep Batch: 606435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.38		mg/Kg		108	88 - 117

GC/MS VOA

Prep Batch: 606812

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

Analysis Batch: 607669

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

Analysis Batch: 608548

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

Metals

Prep Batch: 606435

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

Analysis Batch: 608022

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

Metals (Continued)

Analysis Batch: 608022 (Continued)

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

General Chemistry

Analysis Batch: 605529

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

Client Sample ID: PE-9
Lab Sample ID: 410-207370-1
Date Collected: 02/11/25 09:45
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-9
Lab Sample ID: 410-207370-1
Date Collected: 02/11/25 09:45
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 86.4

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

Client Sample ID: PE-10
Lab Sample ID: 410-207370-2
Date Collected: 02/11/25 09:50
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-10
Lab Sample ID: 410-207370-2
Date Collected: 02/11/25 09:50
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 87.2

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

Client Sample ID: PE-11
Lab Sample ID: 410-207370-3
Date Collected: 02/11/25 09:55
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-11
Lab Sample ID: 410-207370-3
Date Collected: 02/11/25 09:55
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 86.3

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

Client Sample ID: PE-12
Lab Sample ID: 410-207370-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-12
Lab Sample ID: 410-207370-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 87.1

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

Client Sample ID: PE-13
Lab Sample ID: 410-207370-5
Date Collected: 02/11/25 10:05
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-13
Lab Sample ID: 410-207370-5
Date Collected: 02/11/25 10:05
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 85.3

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

Client Sample ID: PE-14
Lab Sample ID: 410-207370-6
Date Collected: 02/11/25 10:10
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-14
Lab Sample ID: 410-207370-6
Date Collected: 02/11/25 10:10
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 81.8

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

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

Client Sample ID: PE-15
Lab Sample ID: 410-207370-7
Date Collected: 02/11/25 10:15
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-15
Lab Sample ID: 410-207370-7
Date Collected: 02/11/25 10:15
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 84.4

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

Client Sample ID: PE-16
Lab Sample ID: 410-207370-8
Date Collected: 02/11/25 11:15
Matrix: Solid
Date Received: 02/11/25 16:50

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

Client Sample ID: PE-16
Lab Sample ID: 410-207370-8
Date Collected: 02/11/25 11:15
Matrix: Solid
Date Received: 02/11/25 16:50
Percent Solids: 81.7

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

Client Sample ID: Trip Blank
Lab Sample ID: 410-207370-9
Date Collected: 02/06/25 00:00
Matrix: Water
Date Received: 02/11/25 16:50

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

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

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
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-207370-1
Project/Site: SPLP - Washington Crossing

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

410-207370 Chain of Custody

Page 1 of 1

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

Client: **Chain of Custody Record** — **Sunoco Pipeline LP**

Region:

State or Lead Regulatory Agency: **PADEP - Southeast Region**

Requested Due Date (mm/dd/yy): ~~5 DAY TAT~~ Standard TAT

COC Tracking Number:

Lab Name:	Lancaster Laboratories	Facility Addr	Washington Crossing	Consultant/Cor	GES, Inc.
Address:	2425 New Holland Pike	Facility City,	Washington Crossing PA	Addr	410 Eagleview Blvd, Suite 110
	Lancaster, PA 17605	Site Lat/Long:	0.0 0.0		Exton, PA 19341
Lab PM:	Amek Carter	Sunoco PM Con	Brad Fish	Consultant/Contractor Pr	0225040-06-209
Tele/Fax:	(717) 656-2308 x 1501/(717) 656-6766	Addres	100 Green Street	Consultant/Contractor P!	Stephanie Grillo
E-mail EDD To:	No EQEDD needed		Marcus Hook, PA	Tele/Fax:	(610) 458-1077x3064 / (610) 458-2300
E-mail Report To:	sgrillo@gesonline.com, gesinbox@gesonline.com	Tele/Fi	610-212-6972	Invoi	ges-invoices@gesonline.com

State where samples were collected: PA; For Compliance: No

Report Type & QC Level:

Item No.	Sample Description	Time	Date	Sample Type: G - Grab, C - Composite	Matrix: Soil	Matrix: Drinking Water	Laboratory No.	No. of Containers	Preservative: MeOH/NAHSO4	Preservative: HCL	Preservative: HNO3 + None	Requested Analysis: EPA Method 8260 - BTEX, MTBE, Cumene, Naphthalene, 1,2,4-TMB, 1,3,5-TMB, 1,2-Dichloroethane	Requested Analysis: EPA Method 8011 - 1,2-Dibromoethane	Requested Analysis: EPA Method 6020 - Lead (Dissolved)	Requested Analysis: MOISTURE	Sample Point Lat/Long and Comments
1	PE-9	0945	2/11/25	G	X			5	X		X	X	X	X	X	
2	PE-10	0950	2/11/25	G	X			5	X		X	X	X	X	X	
3	PE-11	0955	2/11/25	G	X			5	X		X	X	X	X	X	Standard TAT
4	PE-12	1000	2/11/25	G	X			5	X		X	X	X	X	X	
5	PE-13	1005	2/11/25	G	X			5	X		X	X	X	X	X	
6	PE-14	1010	2/11/25	G	X			5	X		X	X	X	X	X	
7	PE-15	1015	2/11/25	G	X			5	X		X	X	X	X	X	
8	PE-16	1115	2/11/25	G	X			5	X		X	X	X	X	X	
9				G	X			5	X		X	X	X	X		
10	Trip Blank	—	2/6/25							X		X				

Sampler's Name:	Jason Crone	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	GES, Inc.		2/11/25	16:50			
Shipment Date:						2/11/25	16:50
Shipment Method:							
Shipment Tracking No:							

Special Instructions: Standard TAT

Custody Seals In Place Yes No — Temp Blank Yes No — Cooler Temperature on Receipt OF/C

RO.6 - 1.4
CO.5 - 1.3

NK

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-207370-1

Login Number: 207370

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

Lab Number:	L2538379
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	PROJ-051861
Report Date:	07/14/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2538379-01	SS-1 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 10:55	06/18/25
L2538379-02	SS-2 @ 5'-6'	SOIL	E-25060-RL-25300050	06/17/25 10:25	06/18/25
L2538379-03	SS-3 @ 5'-6'	SOIL	E-25060-RL-25300050	06/17/25 10:00	06/18/25
L2538379-04	SS-4 @ 4'-5'	SOIL	E-25060-RL-25300050	06/17/25 10:40	06/18/25
L2538379-05	SS-5 @ 7'-7.5'	SOIL	E-25060-RL-25300050	06/17/25 11:45	06/18/25
L2538379-06	SS-6 @ 6'-6.5'	SOIL	E-25060-RL-25300050	06/17/25 12:10	06/18/25
L2538379-07	SS-7 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 12:30	06/18/25
L2538379-08	SS-8 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 13:10	06/18/25
L2538379-09	SS-9 @ 5'-6'	SOIL	E-25060-RL-25300050	06/17/25 13:30	06/18/25
L2538379-10	SS-10 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 13:00	06/18/25
L2538379-11	SS-11 @ 3'-4'	SOIL	E-25060-RL-25300050	06/17/25 13:40	06/18/25
L2538379-12	SS-12 @ 6'-7'	SOIL	E-25060-RL-25300050	06/17/25 13:55	06/18/25
L2538379-13	SS-13 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 11:55	06/18/25
L2538379-14	SS-14 @ 7'-8'	SOIL	E-25060-RL-25300050	06/17/25 12:45	06/18/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

Case Narrative (continued)

Report Submission

July 14, 2025: This final report includes the results of all requested analyses.

July 02, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2538379-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (314%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2538379-06: The surrogate recovery was outside the acceptance criteria for 4-bromofluorobenzene (171%) in the Low Level analysis due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. The sample was analyzed as a High Level Methanol dilution in order to quantitate result(s) within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the Volatile Organics by EPA Method 5035/8260 High and Low Level analyses which have been attributed to vial discrepancies.

L2538379-07: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (162%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2538379-10: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2538379-10: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (138%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2538379-13: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (131%);

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

Case Narrative (continued)

however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2538379-14: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Total Metals

The WG2086802-4 Laboratory Duplicate RPD performed on L2538379-01 is outside the acceptance criteria for lead (22%) due to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/14/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-01
Client ID: SS-1 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/28/25 15:39
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00021	1
Benzene	ND		mg/kg	0.00053	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00027	1
Toluene	ND		mg/kg	0.0011	0.00058	1
1,2-Dibromoethane	ND		mg/kg	0.00053	0.00031	1
Ethylbenzene	ND		mg/kg	0.0011	0.00015	1
p/m-Xylene	ND		mg/kg	0.0021	0.00059	1
o-Xylene	ND		mg/kg	0.0011	0.00031	1
Xylenes, Total	ND		mg/kg	0.0011	0.00031	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0021	0.00020	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0021	0.00035	1
Naphthalene	ND		mg/kg	0.0042	0.00069	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-02
Client ID: SS-2 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:25
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/28/25 16:01
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00024	1
Benzene	ND		mg/kg	0.00061	0.00020	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00031	1
Toluene	ND		mg/kg	0.0012	0.00066	1
1,2-Dibromoethane	ND		mg/kg	0.00061	0.00036	1
Ethylbenzene	ND		mg/kg	0.0012	0.00017	1
p/m-Xylene	ND		mg/kg	0.0024	0.00068	1
o-Xylene	ND		mg/kg	0.0012	0.00035	1
Xylenes, Total	ND		mg/kg	0.0012	0.00035	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0024	0.00024	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0024	0.00041	1
Naphthalene	ND		mg/kg	0.0049	0.00079	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	83		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-03
Client ID: SS-3 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/30/25 11:28
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0027	0.00028	1
Benzene	ND		mg/kg	0.00068	0.00023	1
1,2-Dichloroethane	ND		mg/kg	0.0014	0.00035	1
Toluene	ND		mg/kg	0.0014	0.00074	1
1,2-Dibromoethane	ND		mg/kg	0.00068	0.00040	1
Ethylbenzene	0.00025	J	mg/kg	0.0014	0.00019	1
p/m-Xylene	0.0040		mg/kg	0.0027	0.00077	1
o-Xylene	0.013		mg/kg	0.0014	0.00040	1
Xylenes, Total	0.017		mg/kg	0.0014	0.00040	1
Isopropylbenzene	0.0011	J	mg/kg	0.0014	0.00015	1
1,3,5-Trimethylbenzene	0.041		mg/kg	0.0027	0.00026	1
1,2,4-Trimethylbenzene	0.050		mg/kg	0.0027	0.00046	1
Naphthalene	0.016		mg/kg	0.0055	0.00089	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-04
Client ID: SS-4 @ 4'-5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:40
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/28/25 16:23
Analyst: JIC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0022	0.00022	1
Benzene	ND		mg/kg	0.00054	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00028	1
Toluene	ND		mg/kg	0.0011	0.00059	1
1,2-Dibromoethane	ND		mg/kg	0.00054	0.00032	1
Ethylbenzene	ND		mg/kg	0.0011	0.00015	1
p/m-Xylene	ND		mg/kg	0.0022	0.00061	1
o-Xylene	ND		mg/kg	0.0011	0.00032	1
Xylenes, Total	ND		mg/kg	0.0011	0.00032	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,3,5-Trimethylbenzene	0.0014	J	mg/kg	0.0022	0.00021	1
1,2,4-Trimethylbenzene	0.00041	J	mg/kg	0.0022	0.00036	1
Naphthalene	0.0012	J	mg/kg	0.0044	0.00071	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	80		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	101		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-05
Client ID: SS-5 @ 7'-7.5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 11:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/01/25 04:03
Analyst: JIC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0022	0.00022	1
Benzene	ND		mg/kg	0.00054	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00028	1
Toluene	0.0084		mg/kg	0.0011	0.00059	1
1,2-Dibromoethane	ND		mg/kg	0.00054	0.00032	1
Ethylbenzene	0.0039		mg/kg	0.0011	0.00015	1
p/m-Xylene	0.16		mg/kg	0.0022	0.00061	1
o-Xylene	0.14		mg/kg	0.0011	0.00032	1
Xylenes, Total	0.30		mg/kg	0.0011	0.00032	1
Isopropylbenzene	0.0024		mg/kg	0.0011	0.00012	1
1,3,5-Trimethylbenzene	0.24		mg/kg	0.0022	0.00021	1
1,2,4-Trimethylbenzene	0.18		mg/kg	0.0022	0.00036	1
Naphthalene	0.0073		mg/kg	0.0043	0.00070	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	**314**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-06
Client ID: SS-6 @ 6'-6.5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 18:54
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0022	0.00023	1
Benzene	ND		mg/kg	0.00056	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00029	1
Toluene	0.0012		mg/kg	0.0011	0.00061	1
1,2-Dibromoethane	ND		mg/kg	0.00056	0.00033	1
Ethylbenzene	0.0022		mg/kg	0.0011	0.00016	1
p/m-Xylene	0.060		mg/kg	0.0022	0.00063	1
o-Xylene	0.093		mg/kg	0.0011	0.00033	1
Xylenes, Total	0.15		mg/kg	0.0011	0.00033	1
Isopropylbenzene	0.012		mg/kg	0.0011	0.00012	1
Naphthalene	0.17		mg/kg	0.0045	0.00073	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	**171**	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-06 D
Client ID: SS-6 @ 6'-6.5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/28/25 17:08
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3,5-Trimethylbenzene	2.6		mg/kg	0.26	0.025	2
1,2,4-Trimethylbenzene	6.6		mg/kg	0.26	0.043	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	91		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-07
Client ID: SS-7 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:30
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 19:16
Analyst: JIC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00021	1
Benzene	ND		mg/kg	0.00052	0.00017	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026	1
Toluene	ND		mg/kg	0.0010	0.00056	1
1,2-Dibromoethane	ND		mg/kg	0.00052	0.00030	1
Ethylbenzene	0.00049	J	mg/kg	0.0010	0.00014	1
p/m-Xylene	0.010		mg/kg	0.0021	0.00058	1
o-Xylene	0.023		mg/kg	0.0010	0.00030	1
Xylenes, Total	0.033		mg/kg	0.0010	0.00030	1
Isopropylbenzene	0.0038		mg/kg	0.0010	0.00011	1
1,3,5-Trimethylbenzene	0.098		mg/kg	0.0021	0.00020	1
1,2,4-Trimethylbenzene	0.14		mg/kg	0.0021	0.00034	1
Naphthalene	0.012		mg/kg	0.0041	0.00067	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	**162**	Q	70-130
Dibromofluoromethane	87		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-08
Client ID: SS-8 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 16:40
Analyst: JIC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00023	1
Benzene	ND		mg/kg	0.00057	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00029	1
Toluene	ND		mg/kg	0.0011	0.00062	1
1,2-Dibromoethane	ND		mg/kg	0.00057	0.00033	1
Ethylbenzene	ND		mg/kg	0.0011	0.00016	1
p/m-Xylene	ND		mg/kg	0.0023	0.00064	1
o-Xylene	ND		mg/kg	0.0011	0.00033	1
Xylenes, Total	ND		mg/kg	0.0011	0.00033	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,3,5-Trimethylbenzene	0.0012	J	mg/kg	0.0023	0.00022	1
1,2,4-Trimethylbenzene	0.00078	J	mg/kg	0.0023	0.00038	1
Naphthalene	ND		mg/kg	0.0045	0.00074	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	93		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-09
Client ID: SS-9 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:30
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 17:02
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00025	1
Benzene	ND		mg/kg	0.00062	0.00020	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00032	1
Toluene	ND		mg/kg	0.0012	0.00067	1
1,2-Dibromoethane	ND		mg/kg	0.00062	0.00036	1
Ethylbenzene	ND		mg/kg	0.0012	0.00017	1
p/m-Xylene	ND		mg/kg	0.0025	0.00069	1
o-Xylene	ND		mg/kg	0.0012	0.00036	1
Xylenes, Total	ND		mg/kg	0.0012	0.00036	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00014	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0025	0.00024	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0025	0.00041	1
Naphthalene	ND		mg/kg	0.0050	0.00081	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-10
Client ID: SS-10 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 19:38
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.13	0.013	1
Benzene	ND		mg/kg	0.032	0.011	1
1,2-Dichloroethane	ND		mg/kg	0.064	0.016	1
Toluene	ND		mg/kg	0.064	0.035	1
1,2-Dibromoethane	ND		mg/kg	0.032	0.019	1
Ethylbenzene	ND		mg/kg	0.064	0.0091	1
p/m-Xylene	0.16		mg/kg	0.13	0.036	1
o-Xylene	0.12		mg/kg	0.064	0.019	1
Xylenes, Total	0.28		mg/kg	0.064	0.019	1
Isopropylbenzene	0.015	J	mg/kg	0.064	0.0070	1
1,3,5-Trimethylbenzene	0.96		mg/kg	0.13	0.012	1
1,2,4-Trimethylbenzene	1.2		mg/kg	0.13	0.022	1
Naphthalene	0.20	J	mg/kg	0.26	0.042	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	**138**	Q	70-130
Dibromofluoromethane	88		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-11
Client ID: SS-11 @ 3'-4'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:40
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 17:25
Analyst: JIC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00023	1
Benzene	ND		mg/kg	0.00058	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00030	1
Toluene	ND		mg/kg	0.0012	0.00062	1
1,2-Dibromoethane	ND		mg/kg	0.00058	0.00034	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0023	0.00064	1
o-Xylene	ND		mg/kg	0.0012	0.00034	1
Xylenes, Total	ND		mg/kg	0.0012	0.00034	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0023	0.00022	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0023	0.00038	1
Naphthalene	ND		mg/kg	0.0046	0.00075	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	74		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-12
Client ID: SS-12 @ 6'-7'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 20:01
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.20	0.020	1
Benzene	ND		mg/kg	0.051	0.017	1
1,2-Dichloroethane	ND		mg/kg	0.10	0.026	1
Toluene	ND		mg/kg	0.10	0.055	1
1,2-Dibromoethane	ND		mg/kg	0.051	0.030	1
Ethylbenzene	ND		mg/kg	0.10	0.014	1
p/m-Xylene	ND		mg/kg	0.20	0.057	1
o-Xylene	0.037	J	mg/kg	0.10	0.029	1
Xylenes, Total	0.037	J	mg/kg	0.10	0.029	1
Isopropylbenzene	0.025	J	mg/kg	0.10	0.011	1
1,3,5-Trimethylbenzene	2.1		mg/kg	0.20	0.020	1
1,2,4-Trimethylbenzene	5.5		mg/kg	0.20	0.034	1
Naphthalene	2.3		mg/kg	0.40	0.066	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	88		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-13
Client ID: SS-13 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 11:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 17:47
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00021	1
Benzene	ND		mg/kg	0.00051	0.00017	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026	1
Toluene	ND		mg/kg	0.0010	0.00056	1
1,2-Dibromoethane	ND		mg/kg	0.00051	0.00030	1
Ethylbenzene	ND		mg/kg	0.0010	0.00014	1
p/m-Xylene	ND		mg/kg	0.0020	0.00057	1
o-Xylene	ND		mg/kg	0.0010	0.00030	1
Xylenes, Total	ND		mg/kg	0.0010	0.00030	1
Isopropylbenzene	ND		mg/kg	0.0010	0.00011	1
1,3,5-Trimethylbenzene	0.0015	J	mg/kg	0.0020	0.00020	1
1,2,4-Trimethylbenzene	0.0012	J	mg/kg	0.0020	0.00034	1
Naphthalene	ND		mg/kg	0.0041	0.00067	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	**131**	Q	70-130
Dibromofluoromethane	84		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-14
Client ID: SS-14 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/29/25 20:23
Analyst: JIC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.12	0.012	1
Benzene	ND		mg/kg	0.031	0.010	1
1,2-Dichloroethane	ND		mg/kg	0.061	0.016	1
Toluene	ND		mg/kg	0.061	0.033	1
1,2-Dibromoethane	ND		mg/kg	0.031	0.018	1
Ethylbenzene	0.028	J	mg/kg	0.061	0.0087	1
p/m-Xylene	0.23		mg/kg	0.12	0.034	1
o-Xylene	0.42		mg/kg	0.061	0.018	1
Xylenes, Total	0.65		mg/kg	0.061	0.018	1
Isopropylbenzene	0.13		mg/kg	0.061	0.0067	1
1,3,5-Trimethylbenzene	2.6		mg/kg	0.12	0.012	1
1,2,4-Trimethylbenzene	3.7		mg/kg	0.12	0.020	1
Naphthalene	0.42		mg/kg	0.24	0.040	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	**137**	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/29/25 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-09,11,13 Batch: WG2085305-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	89		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/29/25 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10,12,14 Batch: WG2085307-5					
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Toluene	ND		mg/kg	0.050	0.027
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
Naphthalene	ND		mg/kg	0.20	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	89		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:28
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04 Batch: WG2085333-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:28
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG2085334-5					
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Toluene	ND		mg/kg	0.050	0.027
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
Naphthalene	ND		mg/kg	0.20	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/30/25 09:19
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG2085700-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	92		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/30/25 21:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG2085858-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-09,11,13 Batch: WG2085305-3 WG2085305-4								
Methyl tert butyl ether	86		80		66-130	7		30
Benzene	90		78		70-130	14		30
1,2-Dichloroethane	93		85		70-130	9		30
Toluene	88		84		70-130	5		30
1,2-Dibromoethane	85		84		70-130	1		30
Ethylbenzene	89		82		70-130	8		30
p/m-Xylene	91		86		70-130	6		30
o-Xylene	87		80		70-130	8		30
Isopropylbenzene	89		74		70-130	18		30
1,3,5-Trimethylbenzene	90		**69**	Q	70-130	26		30
1,2,4-Trimethylbenzene	90		78		70-130	14		30
Naphthalene	81		76		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	89		96		70-130
4-Bromofluorobenzene	91		89		70-130
Dibromofluoromethane	94		88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10,12,14 Batch: WG2085307-3 WG2085307-4								
Methyl tert butyl ether	86		80		66-130	7		30
Benzene	90		78		70-130	14		30
1,2-Dichloroethane	93		85		70-130	9		30
Toluene	88		84		70-130	5		30
1,2-Dibromoethane	85		84		70-130	1		30
Ethylbenzene	89		82		70-130	8		30
p/m-Xylene	91		86		70-130	6		30
o-Xylene	87		80		70-130	8		30
Isopropylbenzene	89		74		70-130	18		30
1,3,5-Trimethylbenzene	90		**69**	Q	70-130	26		30
1,2,4-Trimethylbenzene	90		78		70-130	14		30
Naphthalene	81		76		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	89		96		70-130
4-Bromofluorobenzene	91		89		70-130
Dibromofluoromethane	94		88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04 Batch: WG2085333-3 WG2085333-4								
Methyl tert butyl ether	94		93		66-130	1		30
Benzene	97		86		70-130	12		30
1,2-Dichloroethane	104		100		70-130	4		30
Toluene	91		82		70-130	10		30
1,2-Dibromoethane	89		90		70-130	1		30
Ethylbenzene	93		84		70-130	10		30
p/m-Xylene	92		84		70-130	9		30
o-Xylene	90		83		70-130	8		30
Isopropylbenzene	88		81		70-130	8		30
1,3,5-Trimethylbenzene	90		83		70-130	8		30
1,2,4-Trimethylbenzene	92		85		70-130	8		30
Naphthalene	83		88		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	92		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG2085334-3 WG2085334-4								
Methyl tert butyl ether	94		93		66-130	1		30
Benzene	97		86		70-130	12		30
1,2-Dichloroethane	104		100		70-130	4		30
Toluene	91		82		70-130	10		30
1,2-Dibromoethane	89		90		70-130	1		30
Ethylbenzene	93		84		70-130	10		30
p/m-Xylene	92		84		70-130	9		30
o-Xylene	90		83		70-130	8		30
Isopropylbenzene	88		81		70-130	8		30
1,3,5-Trimethylbenzene	90		83		70-130	8		30
1,2,4-Trimethylbenzene	92		85		70-130	8		30
Naphthalene	83		88		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	92		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG2085700-3 WG2085700-4								
Methyl tert butyl ether	87		82		66-130	6		30
Benzene	97		90		70-130	7		30
1,2-Dichloroethane	85		81		70-130	5		30
Toluene	94		89		70-130	5		30
1,2-Dibromoethane	95		92		70-130	3		30
Ethylbenzene	98		92		70-130	6		30
p/m-Xylene	100		95		70-130	5		30
o-Xylene	98		91		70-130	7		30
Isopropylbenzene	95		91		70-130	4		30
1,3,5-Trimethylbenzene	95		90		70-130	5		30
1,2,4-Trimethylbenzene	95		90		70-130	5		30
Naphthalene	**67**	Q	**68**	Q	70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		86		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	98		88		70-130
Dibromofluoromethane	93		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG2085858-3 WG2085858-4								
Methyl tert butyl ether	94		101		66-130	7		30
Benzene	99		98		70-130	1		30
1,2-Dichloroethane	95		98		70-130	3		30
Toluene	81		79		70-130	3		30
1,2-Dibromoethane	93		99		70-130	6		30
Ethylbenzene	92		91		70-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	96		96		70-130	0		30
Isopropylbenzene	95		91		70-130	4		30
1,3,5-Trimethylbenzene	96		93		70-130	3		30
1,2,4-Trimethylbenzene	97		94		70-130	3		30
Naphthalene	78		83		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		102		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	97		98		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-01
Client ID: SS-1 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 10:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	12		mg/kg	0.66	0.06	10	07/03/25 15:56	07/14/25 09:27	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-02
Client ID: SS-2 @ 5'-6'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 10:25
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	22		mg/kg	0.74	0.06	10	07/03/25 15:56	07/14/25 09:51	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-03
Client ID: SS-3 @ 5'-6'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 10:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	43		mg/kg	0.63	0.05	10	07/03/25 15:56	07/14/25 09:56	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-04
Client ID: SS-4 @ 4'-5'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 10:40
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	15		mg/kg	0.65	0.06	10	07/03/25 15:56	07/14/25 10:36	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-05
Client ID: SS-5 @ 7'-7.5'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 11:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	8.7		mg/kg	0.66	0.06	10	07/03/25 15:56	07/14/25 10:41	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-06
Client ID: SS-6 @ 6'-6.5'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 12:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	26		mg/kg	0.65	0.06	10	07/03/25 15:56	07/14/25 10:46	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-07
Client ID: SS-7 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 12:30
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	21		mg/kg	0.64	0.06	10	07/03/25 15:56	07/14/25 10:51	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-08
Client ID: SS-8 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 13:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	18		mg/kg	0.64	0.06	10	07/03/25 15:56	07/14/25 10:56	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-09 Date Collected: 06/17/25 13:30

Client ID: SS-9 @ 5'-6' Date Received: 06/18/25

Sample Location: E-25060-RL-25300050 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	19		mg/kg	0.67	0.06	10	07/03/25 15:56	07/14/25 11:01	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-10
Client ID: SS-10 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 13:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	20		mg/kg	0.69	0.06	10	07/03/25 15:56	07/14/25 11:06	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-11 Date Collected: 06/17/25 13:40

Client ID: SS-11 @ 3'-4' Date Received: 06/18/25

Sample Location: E-25060-RL-25300050 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	22		mg/kg	0.69	0.06	10	07/03/25 15:56	07/14/25 11:11	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-12
Client ID: SS-12 @ 6'-7'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 13:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	12		mg/kg	0.69	0.06	10	07/03/25 15:56	07/14/25 11:16	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-13
Client ID: SS-13 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 11:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	22		mg/kg	0.67	0.06	10	07/03/25 15:56	07/14/25 11:21	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2538379
Project Number: PROJ-051861
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-14
Client ID: SS-14 @ 7'-8'
Sample Location: E-25060-RL-25300050
Date Collected: 06/17/25 12:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	21		mg/kg	0.63	0.05	10	07/03/25 15:56	07/14/25 11:48	EPA 3050B	1,6020B	BLR

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG2086802-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	07/03/25 15:56	07/14/25 09:12	1,6020B	BLR

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG2086802-2								
Lead, Total	111		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2086802-3 QC Sample: L2538379-01 Client ID: SS-1 @ 7'-8'												
Lead, Total	12	44.9	61	109		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2538379

Report Date: 07/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2086802-4 QC Sample: L2538379-01 Client ID: SS-1 @ 7'-8'						
Lead, Total	12	15	mg/kg	**22**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-01
Client ID: SS-1 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN
Moisture	10.9		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-02
Client ID: SS-2 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:25
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN
Moisture	20.4		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-03
Client ID: SS-3 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN
Moisture	10.4		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-04
Client ID: SS-4 @ 4'-5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 10:40
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN
Moisture	9.10		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-05
Client ID: SS-5 @ 7'-7.5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 11:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN
Moisture	10.4		%	0.100	NA	1	-	06/28/25 02:43	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-06
Client ID: SS-6 @ 6'-6.5'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	10.7		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-07
Client ID: SS-7 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:30
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	10.2		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-08
Client ID: SS-8 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:10
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	11.6		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-09
Client ID: SS-9 @ 5'-6'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:30
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	14.4		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-10
Client ID: SS-10 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:00
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	14.5		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-11
Client ID: SS-11 @ 3'-4'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:40
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	15.9		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-12
Client ID: SS-12 @ 6'-7'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 13:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	14.3		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-13
Client ID: SS-13 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 11:55
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	13.2		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

SAMPLE RESULTS

Lab ID: L2538379-14
Client ID: SS-14 @ 7'-8'
Sample Location: E-25060-RL-25300050

Date Collected: 06/17/25 12:45
Date Received: 06/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN
Moisture	10.4		%	0.100	NA	1	-	06/28/25 02:05	121,2540G	JMN

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2538379

Report Date: 07/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-14 QC Batch ID: WG2084591-1 QC Sample: L2538379-06 Client ID: SS-6 @ 6'-6.5'						
Solids, Total	89.3	89.6	%	0		20
Moisture	10.7	10.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2084605-1 QC Sample: L2538379-01 Client ID: SS-1 @ 7'-8'						
Solids, Total	89.1	89.5	%	0		20
Moisture	10.9	10.5	%	4		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2538379-01A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-01B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-01C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-01D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)
L2538379-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-01F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)
L2538379-02A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-02B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-02C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-02D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)
L2538379-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-02F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)
L2538379-03A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-03B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-03C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-03D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)
L2538379-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-03F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)
L2538379-04A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-04B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-04C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-04D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)

*Values in parentheses indicate holding time in days

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2538379-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-04F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)
L2538379-05A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-05B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-05C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-05D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-05F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-06A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2538379-06B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260H(14),PA-8260HLW(14)
L2538379-06C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260H(14),PA-8260HLW(14)
L2538379-06D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-06F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-07A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-07B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-07C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-07D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-07F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-08A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-08B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-08C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-08D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-08F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-09A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-09B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2538379-09C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-09D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-09E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-09F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-10A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-10B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-10C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-10D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)
L2538379-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-10F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)
L2538379-11A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-11B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-11C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-11D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-11E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-11F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-12A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-12B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-12C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-12D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-12E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-12F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)
L2538379-13A	Vial MeOH preserved	A	NA		2.0	Y	Absent		PA-8260HLW(14)
L2538379-13B	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-13C	Vial water preserved	A	NA		2.0	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-13D	Plastic 120ml unpreserved	A	NA		2.0	Y	Absent		TS(7),MOISTURE(7)
L2538379-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		PB-6020T(180)
L2538379-13F	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		MOISTURE(7)

*Values in parentheses indicate holding time in days

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2538379
Report Date: 07/14/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2538379-14A	Vial MeOH preserved	B	NA		2.5	Y	Absent		PA-8260HLW(14)
L2538379-14B	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-14C	Vial water preserved	B	NA		2.5	Y	Absent	19-JUN-25 08:35	PA-8260HLW(14)
L2538379-14D	Plastic 120ml unpreserved	B	NA		2.5	Y	Absent		TS(7),MOISTURE(7)
L2538379-14E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		PB-6020T(180)
L2538379-14F	Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		MOISTURE(7)

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2538379
Project Number:	PROJ-051861	**Report Date:**	07/14/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2538379

Project Number: PROJ-051861 **Report Date:** 07/14/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

L2538379
GES – PA – ER

Company Name: GES, Inc.
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341
Contact/Report To: Stephanie Grillo
Phone #: (610 458-1077x3064 / (610) 458-2300
E-mail: sgrillo@gesonline.com; gesinbox@gesonline.com
CC: [illegible]
Customer Project #:
Invoice To: Energy Transfer
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing
Invoice E-Mail: [illegible]
Site Collection Info/Facility ID (if applicable): Washington Crossing, Upper Makefield Township, PA
Purchase Order # (if applicable):112203289
Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County/State origin of sample(s): PA

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other: ____________

Regulatory Program (DW, RCRA, etc.) as applicable: DW

Rush (Pre-approval Required): [ ] 2 day [ ] 3 day [ ] 5 day [ ] Other: Normal TAT

DW PWSID # or WW Permit # as applicable:

Date Results Requested: ASAP

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CL)

Specify Container Size **: 6 | 4 | 6 | 4 | 4

Identify Container Preservative Type***: 11 | 10 | 1 | 11/10 | 1 | 1

** Container Size: (1) 1L, (2) 500mL, (3) 250 mL, (4) 125 mL, (5) 100 mL, (6) 40 mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

	Customer Sample ID	Matrix *	Comp / Grab	Collected (Start) Date	Collected (Start) Time	Composite End Date	Composite End Time	# cont.	Plastic	Glass	PA Leaded gasoline (EPA 8260D) - BTEX, MTBE, cumene, naphthalene, 1,2,4-TMB, 1,3,5-TMB, EDC	Lead (EPA 6020B)	1,2-Dibromoethane (EDB) (EPA 8260D)	Moisture	Total Solids (SM 2540)	Sample Comment
01	SS-1 @ 7'-8'	SS	G	6/17/2025	1055	-	-	6	1	5	X	X	X	X	X	
02	SS-2 @ 5'-6'	SS	G	6/17/2025	1025	-	-	6	1	5	X	X	X	X	X	
03	SS-3 @ 5'-6'	SS	G	6/17/2025	1000	-	-	6	1	5	X	X	X	X	X	
04	SS-4 @ 4'-5'	SS	G	6/17/2025	1040	-	-	6	1	5	X	X	X	X	X	
05	SS-5 @ 7'-7.5'	SS	G	6/17/2025	1145	-	-	6	1	5	X	X	X	X	X	
06	SS-6 @ 6'-6.5'	SS	G	6/17/2025	1210	-	-	6	1	5	X	X	X	X	X	
07	SS-7 @ 7'-8'	SS	G	6/17/2025	1230	-	-	6	1	5	X	X	X	X	X	
08	SS-8 @ 7'-8'	SS	G	6/17/2025	1310	-	-	6	1	5	X	X	X	X	X	
09	SS-9 @ 5'-6'	SS	G	6/17/2025	1330	-	-	6	1	5	X	X	X	X	X	
10	SS-10 @ 7'-8'	SS	G	6/17/2025	1300	-	-	6	1	5	X	X	X	X	X	
11	SS- 11 @ 3'-4'	SS	G	6/17/2025	1340	-	-	6	1	5	X	X	X	X	X	
12	SS-12 @ 6'-7'	SS	G	6/17/2025	1355	-	-	6	1	5	X	X	X	X	X	
13	SS-13 @ 7'-8'	SS	G	6/17/2025	1155	-	-	6	1	5	X	X	X	X	X	
14	SS-14 @ 7'-8'	SS	G	6/17/2025	1245	-	-	6	1	5	X	X	X	X	X	

Additional Instructions from Pace: Target VOCs by EPA8260 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane, EDC

Collected By: Jason Crone
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: | Thermometer ID: | Correction Factor: | Temp (°C): | Corrected Temp (°C): | [ ] on ice

Relinquished By / Company (Signature)	Date/Time	Received By/Company (Signature)	Date/Time
[signature] / GES	6/17/25 / 1600	GES - Fridge	6/17/25 / 1600
[signature]	6/18/25 1048am	[signature] / Pace	6/18/25 1048
[signature]	6/18/25 1830	[signature]	6/18 1830
[signature]	6-18	Anthony Green	JUN 1 8 2025 2300

Tracking #:
Delivered By: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Page: 1 of 1

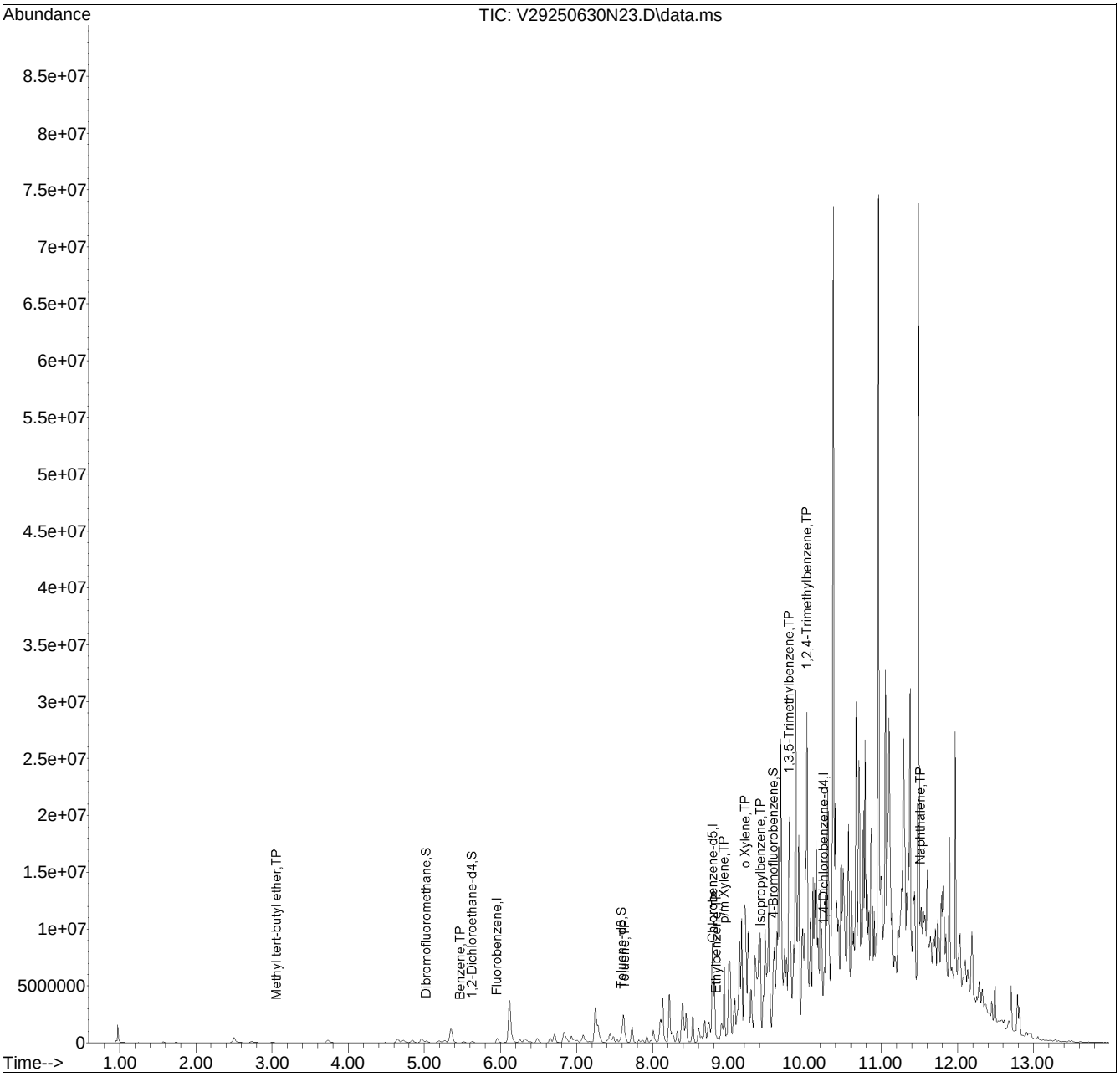
Anthony Green [signature] 0350 6/19/25 [signature] 06/19 [illegible]
6/19/25 0340

Quantitation Report (QT Reviewed)

Data Path : K:\VOA129\2025\250630N\
Data File : V29250630N23.D
Acq On : 01 Jul 2025 04:03 am
Operator : VOA129:JIC
Sample : L2538379-05,31,5.14,5,,C,32.38,38.02,0.50
Misc : WG2085858,ICAL22427
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 14:30:19 2025
Quant Method : K:\VOA129\2025\250630N\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 27 09:03:12 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list630N01.D•

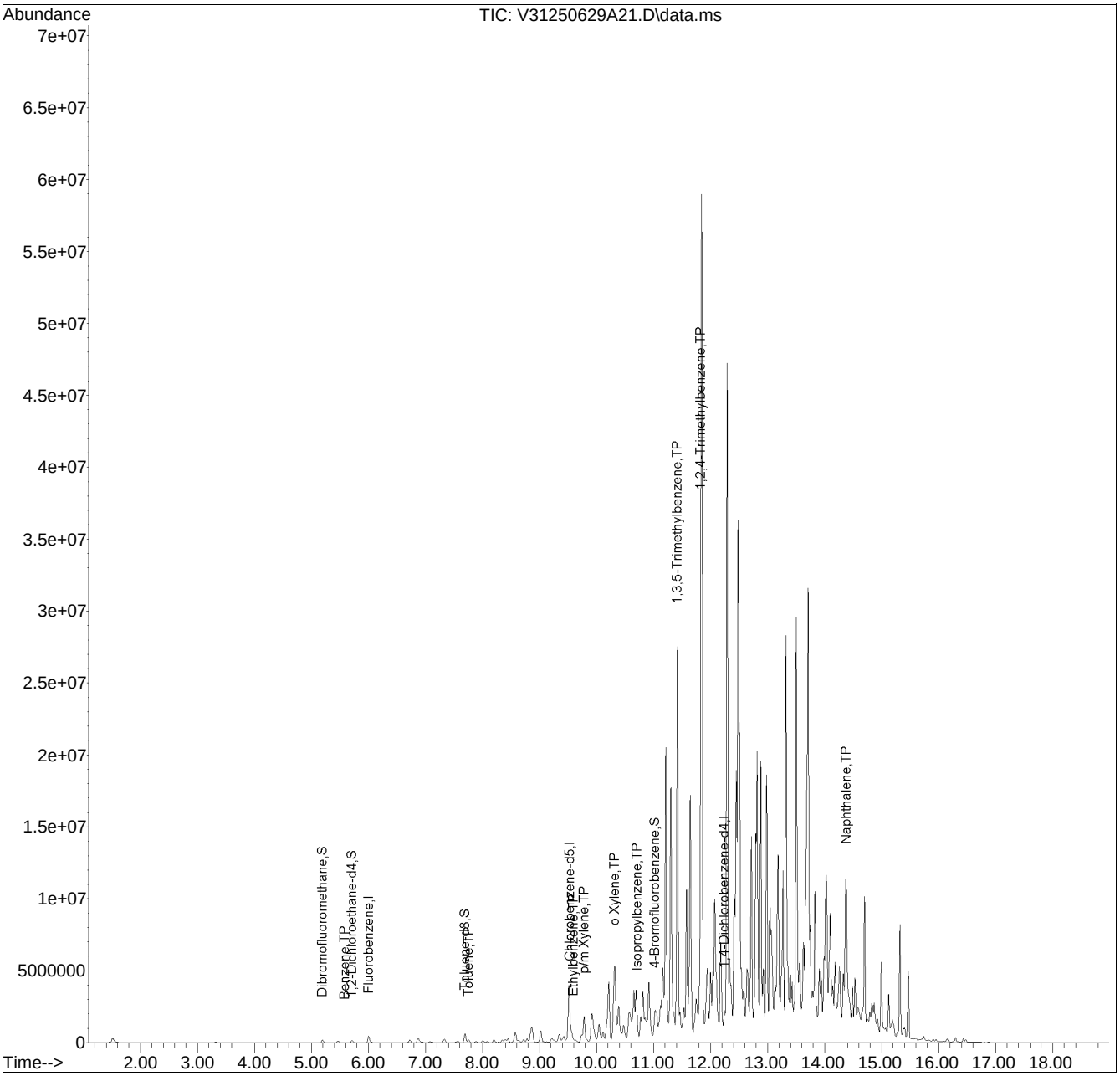


Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2025\250629A\
Data File : V31250629A21.D
Acq On : 29 Jun 2025 06:54 pm
Operator : VOA131:JIC
Sample : l2538379-06,31,4.97,5,,b,32.59,37.81,0.25
Misc : WG2085305,ICAL22246
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 30 08:29:16 2025
Quant Method : K:\VOA131\2025\250629A\V131_250502A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat May 03 08:26:58 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list629A01.D•



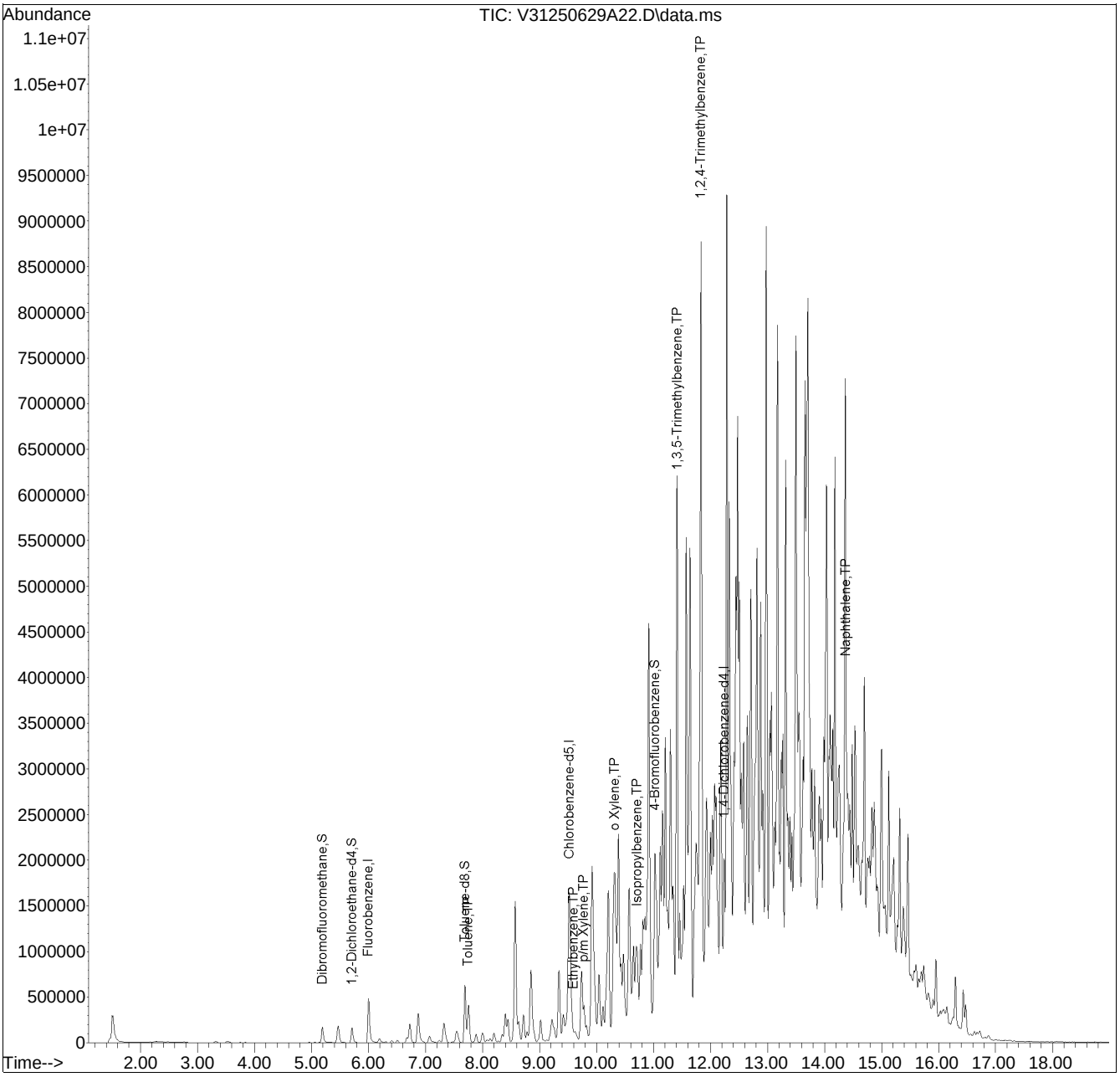
V131_250502A_8260.m Mon Jun 30 12:27:07 2025 Page: 2

Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2025\250629A\
Data File : V31250629A22.D
Acq On : 29 Jun 2025 07:16 pm
Operator : VOA131:JIC
Sample : l2538379-07,31,5.40,5,,b,32.38,38.03,0.25
Misc : WG2085305,ICAL22246
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 08:29:27 2025
Quant Method : K:\VOA131\2025\250629A\V131_250502A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat May 03 08:26:58 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list629A01.D•

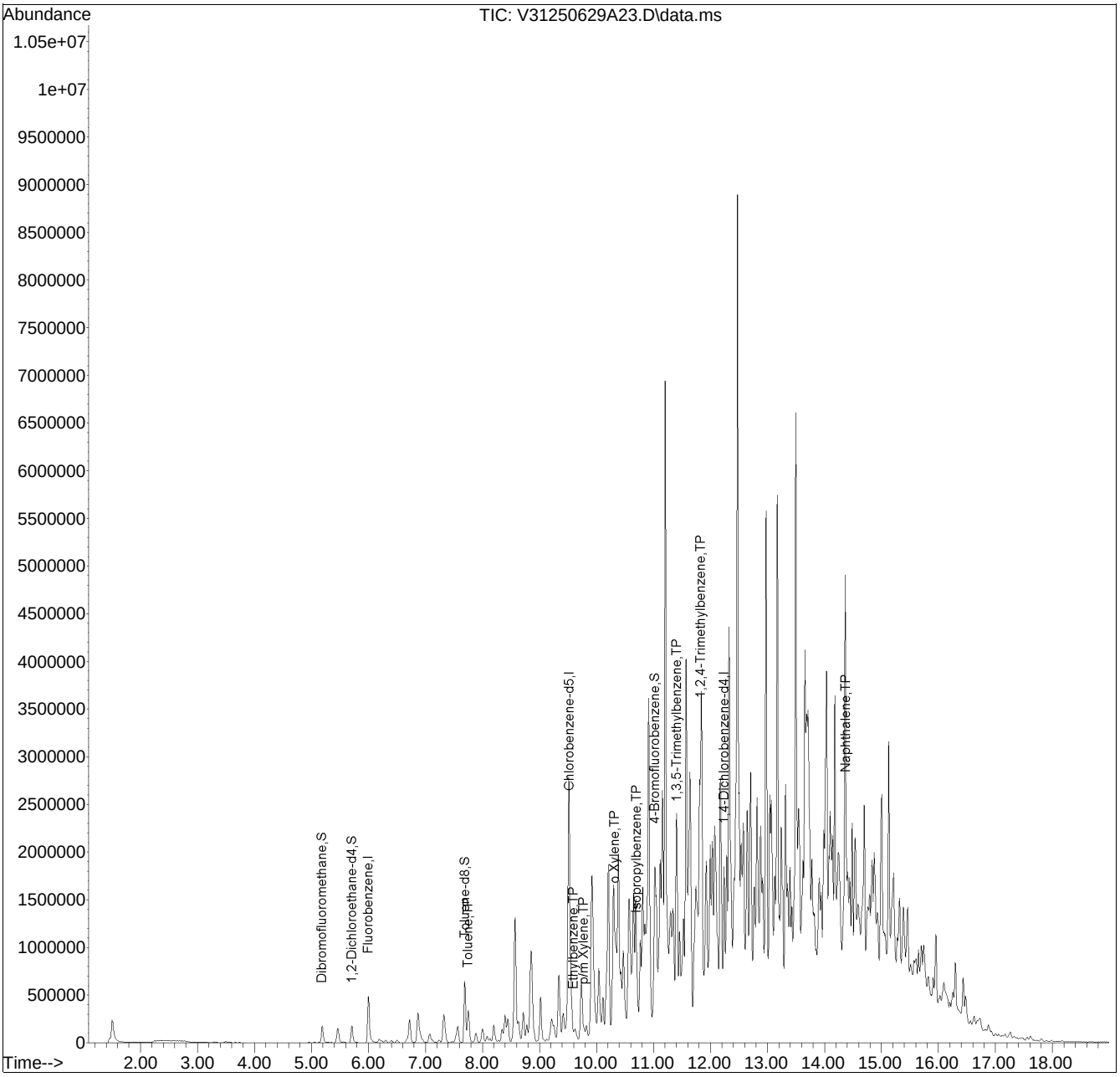


Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2025\250629A\
Data File : V31250629A23.D
Acq On : 29 Jun 2025 07:38 pm
Operator : VOA131:JIC
Sample : l2538379-10,31h,5.22,5,0.100,,a,29.98,35.70,0
Misc : WG2085307,ICAL22246
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 06:05:41 2025
Quant Method : K:\VOA131\2025\250629A\V131_250502A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat May 03 08:26:58 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list629A01.D•



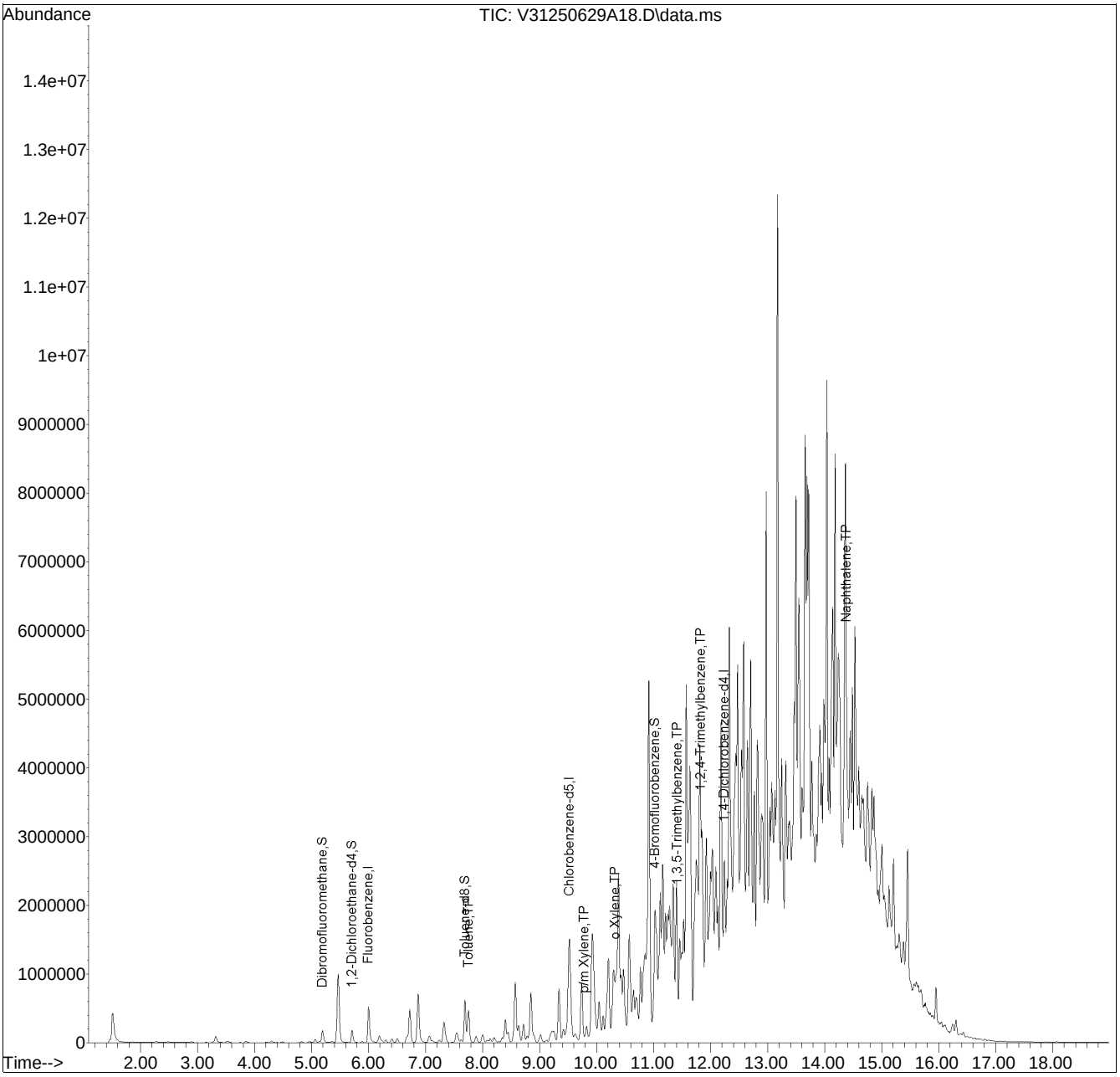
V131_250502A_8260.m Mon Jun 30 12:27:19 2025 Page: 2

Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2025\250629A\
Data File : V31250629A18.D
Acq On : 29 Jun 2025 05:47 pm
Operator : VOA131:JIC
Sample : l2538379-13,31,5.62,5,,b,32.72,38.59,0.25
Misc : WG2085305,ICAL22246
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 30 08:27:31 2025
Quant Method : K:\VOA131\2025\250629A\V131_250502A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat May 03 08:26:58 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list629A01.D•



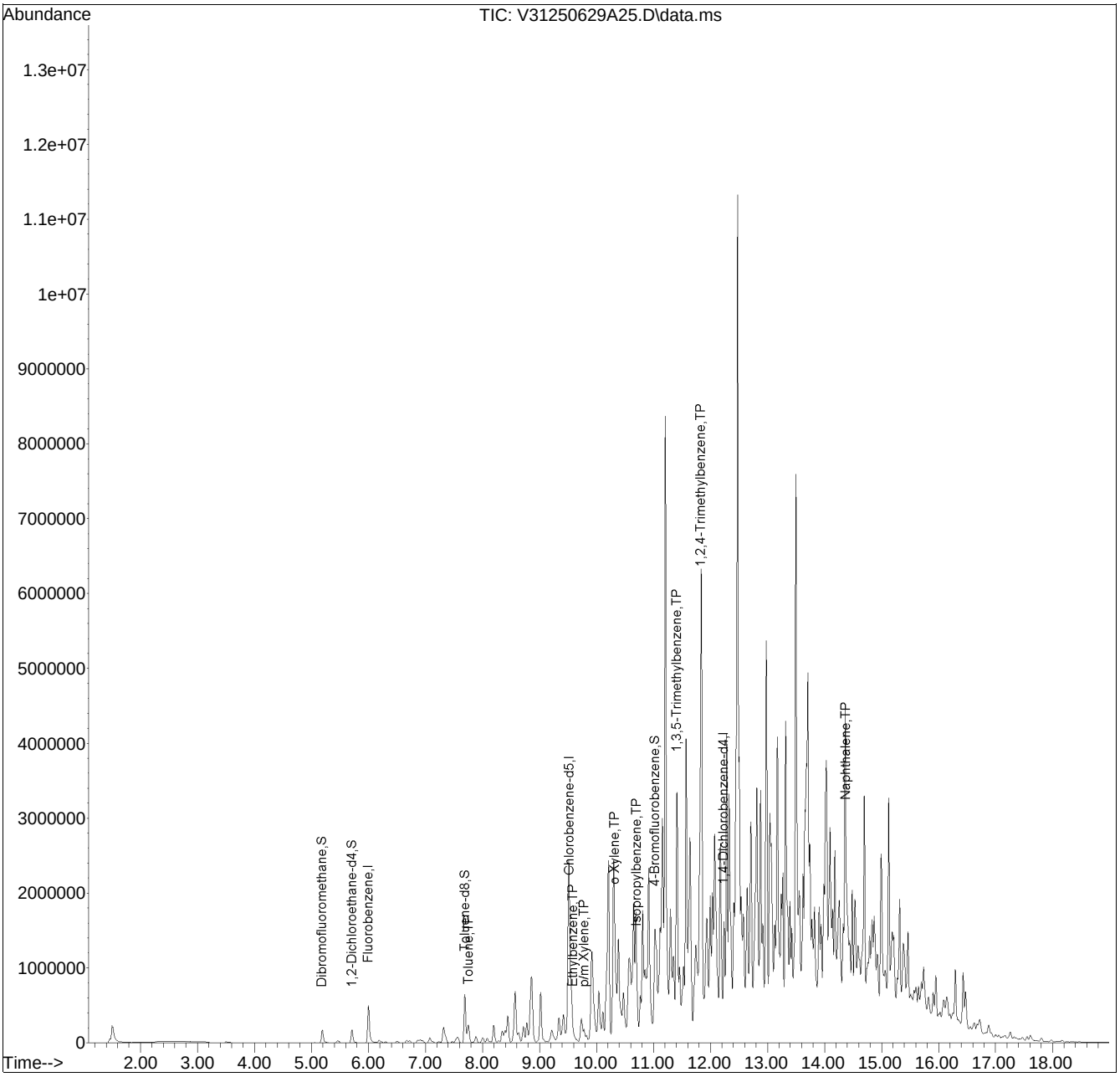
V131_250502A_8260.m Mon Jun 30 12:26:51 2025 Page: 2

Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2025\250629A\
Data File : V31250629A25.D
Acq On : 29 Jun 2025 08:23 pm
Operator : VOA131:JIC
Sample : l2538379-14,31h,5.01,5,0.100,,a,30.06,35.57,0
Misc : WG2085307,ICAL22246
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 30 08:30:31 2025
Quant Method : K:\VOA131\2025\250629A\V131_250502A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat May 03 08:26:58 2025
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list629A01.D•



Sample Delivery Group Summary

Pace Job Number : L2538379
Received : 18-JUN-2025
Reviewer : Monique Irving

Account Name : Groundwater & Environmental Service
Project Number : PROJ-051861
Project Name : SUNOCO PIPELINE LP (SPLP)

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.0	
B	Absent/	Ice	2.5	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ANALYTICAL REPORT

Lab Number:	L2515726
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	Not Specified
Report Date:	03/21/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2515726-01	RW-1@1'-2'	SOIL	WASHINGTON CROSSING, PA	03/18/25 14:40	03/18/25
L2515726-02	RW-1@4'-5'	SOIL	WASHINGTON CROSSING, PA	03/18/25 14:45	03/18/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2515726
Project Number:	Not Specified	**Report Date:**	03/21/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2515726
Project Number:	Not Specified	**Report Date:**	03/21/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 03/21/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2515726

Project Number: Not Specified **Report Date:** 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-01
Client ID: RW-1@1'-2'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/18/25 14:40
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/21/25 13:22
Analyst: JIC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0022	0.00023	1
Benzene	ND		mg/kg	0.00056	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00029	1
Toluene	ND		mg/kg	0.0011	0.00061	1
1,2-Dibromoethane	ND		mg/kg	0.00056	0.00033	1
Ethylbenzene	ND		mg/kg	0.0011	0.00016	1
p/m-Xylene	ND		mg/kg	0.0022	0.00063	1
o-Xylene	ND		mg/kg	0.0011	0.00033	1
Xylenes, Total	ND		mg/kg	0.0011	0.00033	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0022	0.00022	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0022	0.00038	1
Naphthalene	ND		mg/kg	0.0045	0.00073	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	96		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2515726

Project Number: Not Specified **Report Date:** 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-02
Client ID: RW-1@4'-5'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/18/25 14:45
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/21/25 13:48
Analyst: JIC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00024	1
Benzene	ND		mg/kg	0.00059	0.00020	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00030	1
Toluene	ND		mg/kg	0.0012	0.00064	1
1,2-Dibromoethane	ND		mg/kg	0.00059	0.00035	1
Ethylbenzene	ND		mg/kg	0.0012	0.00017	1
p/m-Xylene	ND		mg/kg	0.0024	0.00066	1
o-Xylene	ND		mg/kg	0.0012	0.00034	1
Xylenes, Total	ND		mg/kg	0.0012	0.00034	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0024	0.00023	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0024	0.00040	1
Naphthalene	ND		mg/kg	0.0047	0.00077	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	97		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2515726

Project Number: Not Specified **Report Date:** 03/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/21/25 11:34
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG2043574-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG2043574-3 WG2043574-4								
Methyl tert butyl ether	95		91		66-130	4		30
Benzene	86		83		70-130	4		30
1,2-Dichloroethane	99		96		70-130	3		30
Toluene	82		80		70-130	2		30
1,2-Dibromoethane	90		90		70-130	0		30
Ethylbenzene	85		84		70-130	1		30
p/m-Xylene	88		86		70-130	2		30
o-Xylene	88		87		70-130	1		30
Isopropylbenzene	87		86		70-130	1		30
1,3,5-Trimethylbenzene	86		84		70-130	2		30
1,2,4-Trimethylbenzene	86		85		70-130	1		30
Naphthalene	106		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	88		89		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	92		92		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2515726
Project Number: Not Specified
Report Date: 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-01
Client ID: RW-1@1'-2'
Sample Location: WASHINGTON CROSSING, PA
Date Collected: 03/18/25 14:40
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	ND		mg/kg	0.71	0.06	10	03/20/25 14:31	03/20/25 18:13	EPA 3050B	1,6020B	NTB

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2515726
Project Number: Not Specified
Report Date: 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-02
Client ID: RW-1@4'-5'
Sample Location: WASHINGTON CROSSING, PA
Date Collected: 03/18/25 14:45
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	14		mg/kg	0.73	0.06	10	03/20/25 14:31	03/20/25 18:36	EPA 3050B	1,6020B	NTB

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2515726

Project Number: Not Specified **Report Date:** 03/21/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2043052-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	03/20/25 14:31	03/20/25 18:04	1,6020B	NTB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2043052-2								
Lead, Total	90		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2043052-3 QC Sample: L2515726-01 Client ID: RW-1@1'-2'												
Lead, Total	ND	51.4	57	111		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: Not Specified

Lab Number: L2515726

Report Date: 03/21/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2043052-4 QC Sample: L2515726-01 Client ID: RW-1@1'-2'						
Lead, Total	ND	8.9	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-01
Client ID: RW-1@1'-2'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/18/25 14:40
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	03/19/25 20:56	121,2540G	SJB

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

SAMPLE RESULTS

Lab ID: L2515726-02
Client ID: RW-1@4'-5'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/18/25 14:45
Date Received: 03/18/25
Field Prep: None

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	03/19/25 20:56	121,2540G	SJB

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: Not Specified

Lab Number: L2515726

Report Date: 03/21/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2042688-1 QC Sample: L2515418-02 Client ID: DUP Sample						
Solids, Total	84.6	85.2	%	1		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2515726
Report Date: 03/21/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2515726-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2515726-01B	Vial water preserved	A	NA		3.3	Y	Absent	19-MAR-25 06:15	PA-8260HLW(14)
L2515726-01C	Vial water preserved	A	NA		3.3	Y	Absent		ARCHIVE()
L2515726-01D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2515726-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		PB-6020T(180)
L2515726-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2515726-02B	Vial water preserved	A	NA		3.3	Y	Absent	19-MAR-25 06:15	PA-8260HLW(14)
L2515726-02C	Vial water preserved	A	NA		3.3	Y	Absent	19-MAR-25 06:15	PA-8260HLW(14)
L2515726-02D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2515726-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		PB-6020T(180)

Container Comments

L2515726-01C Container Received Empty.

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2515726
Project Number:	Not Specified	**Report Date:**	03/21/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2515726
Project Number:	Not Specified	**Report Date:**	03/21/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2515726
Project Number:	Not Specified	**Report Date:**	03/21/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2515726

Project Number: Not Specified **Report Date:** 03/21/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

L2515726
GES – PA – ER

Pace® Location Requested (City/State): Westborough, MA

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: GES, Inc.
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341
Customer Project #:
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing
Site Collection Info/Facility ID (as applicable): Washington Crossing, PA

Contact/Report To: Stephanie Grillo
Phone #: (610) 458-1077x3064 / (610) 458-2300
E-Mail: SGrillo@gesonline.com; gesinbox@gesonline.com
Cc E-Mail: CTEH_Deliverables@[illegible].com; [illegible]
Invoice to: ges-invoices@gesonline.com
Invoice E-mail: ges-invoices@gesonline.com
Purchase Order # (if applicable): 0225040-06-180
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): PA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [X] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other: 24 hour
Date Results Requested: ASAP
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis: Lead

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 6 | 6 | 3
Identify Container Preservative Type***: 4 | 8 | 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

	Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs (list below), EPA 524.2 8260	1,2-Dibromoethane, EPA 504.1 8260	Lead (dissolved) Total, EPA 200.8 7420	Sample Comment
01	RW-1 @ 1'-2'	SS	G	3/18/25	1440	~~3/19/2025~~					X	X	X	
02	RW-1 @ 4'-5'	SS	G	3/18/25	1445						X	X	X	

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:
Preservation non-conformance identified for sample

Additional Instructions from Pace®:
VOCs by EPA 524.2 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane

Collected By: Printed Name: DAN SINCO
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / GES	3-18-25 / 1725	[signature] / Pace	3/18/25 1725
[signature]	3/18/25 1910	[signature]	3-18 1910
[signature]	3/18	Anthony Green	MAR 18 2025
Anthony Green		[signature] Pace	3/19/25 0245

Tracking Number:
Delivered by: [ ] In Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

ENV-FRM-CORQ-0019_v02_110123 ©

Pace 3/19/25 0420

03/19/25-0420

ANALYTICAL REPORT

Lab Number:	L2516006
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	Not Specified
Report Date:	03/24/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2516006-01	RW-1@10'-11'	SOIL	WASHINGTON CROSSING, PA	03/19/25 14:55	03/19/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2516006
Project Number:	Not Specified	**Report Date:**	03/24/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2516006
Project Number:	Not Specified	**Report Date:**	03/24/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 03/24/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2516006

Project Number: Not Specified **Report Date:** 03/24/25

SAMPLE RESULTS

Lab ID: L2516006-01
Client ID: RW-1@10'-11'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/19/25 14:55
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/24/25 02:37
Analyst: AJK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0019	0.00020	1
Benzene	0.00025	J	mg/kg	0.00048	0.00016	1
1,2-Dichloroethane	ND		mg/kg	0.00097	0.00025	1
Toluene	ND		mg/kg	0.00097	0.00053	1
1,2-Dibromoethane	ND		mg/kg	0.00048	0.00028	1
Ethylbenzene	ND		mg/kg	0.00097	0.00014	1
p/m-Xylene	ND		mg/kg	0.0019	0.00054	1
o-Xylene	ND		mg/kg	0.00097	0.00028	1
Xylenes, Total	ND		mg/kg	0.00097	0.00028	1
Isopropylbenzene	ND		mg/kg	0.00097	0.00010	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0019	0.00019	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0019	0.00032	1
Naphthalene	ND		mg/kg	0.0039	0.00063	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	**134**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2516006

Project Number: Not Specified **Report Date:** 03/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/25 02:11
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044491-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044491-3 WG2044491-4								
Methyl tert butyl ether	111		114		66-130	3		30
Benzene	101		105		70-130	4		30
1,2-Dichloroethane	112		113		70-130	1		30
Toluene	80		81		70-130	1		30
1,2-Dibromoethane	95		98		70-130	3		30
Ethylbenzene	80		82		70-130	2		30
p/m-Xylene	85		86		70-130	1		30
o-Xylene	87		89		70-130	2		30
Isopropylbenzene	78		80		70-130	3		30
1,3,5-Trimethylbenzene	80		83		70-130	4		30
1,2,4-Trimethylbenzene	81		84		70-130	4		30
Naphthalene	91		92		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	104		102		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2516006
Project Number: Not Specified
Report Date: 03/24/25

SAMPLE RESULTS

Lab ID: L2516006-01
Client ID: RW-1@10'-11'
Sample Location: WASHINGTON CROSSING, PA
Date Collected: 03/19/25 14:55
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	14		mg/kg	0.61	0.05	10	03/20/25 14:31	03/20/25 20:31	EPA 3050B	1,6020B	NTB

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2516006

Project Number: Not Specified **Report Date:** 03/24/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2043052-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	03/20/25 14:31	03/20/25 18:04	1,6020B	NTB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2043052-2								
Lead, Total	90		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2043052-3 QC Sample: L2515726-01 Client ID: MS Sample												
Lead, Total	ND	51.4	57	111		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: Not Specified

Lab Number: L2516006

Report Date: 03/24/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2043052-4 QC Sample: L2515726-01 Client ID: DUP Sample						
Lead, Total	ND	8.9	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

SAMPLE RESULTS

Lab ID: L2516006-01
Client ID: RW-1@10'-11'
Sample Location: WASHINGTON CROSSING, PA

Date Collected: 03/19/25 14:55
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	03/20/25 14:49	121,2540G	KJL

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: Not Specified

Lab Number: L2516006

Report Date: 03/24/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2043090-1 QC Sample: L2515411-01 Client ID: DUP Sample						
Solids, Total	96.4	96.1	%	0		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: Not Specified

Lab Number: L2516006
Report Date: 03/24/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2516006-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2516006-01B	Vial water preserved	A	NA		3.3	Y	Absent	20-MAR-25 06:27	PA-8260HLW(14)
L2516006-01C	Vial water preserved	A	NA		3.3	Y	Absent	20-MAR-25 06:27	PA-8260HLW(14)
L2516006-01D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2516006-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2516006
Project Number:	Not Specified	**Report Date:**	03/24/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2516006
Project Number:	Not Specified	**Report Date:**	03/24/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2516006
Project Number:	Not Specified	**Report Date:**	03/24/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2516006

Project Number: Not Specified **Report Date:** 03/24/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

1257 6006

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields.

Company Name: GES, Inc.	Contact/Report To: Stephanie Grillo
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341	Phone #: (610 458-1077x3064 / (610) 458-2300
	E-mail: Sgrillo@gesonline.com; gesinbox@gesonline.com
	CTEH_Deliverables@envsid.com; labresults@cteh.com; jwilson@cteh.com; ges@gesonline.com
Customer Project #:	Invoice To: ges-invoinces@gesonline.com
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing	Invoice E-Mail: ges-invoinces@gesonline.com
Site Collection Info/Facility ID (if applicable): Washington Crossing, PA	Purchase Order # (if applicable): 0225040-06-160
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County/State origin of sample(s): PA

Specify Container Size **: 6 6 3

Identify Container Preservative Type***: 4 8 2

**Container Size: (1) 1L, (2) 500 mL, (3) 250 mL, (4) 125 mL, (5) 100 mL, (6) 40 mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) 40 mL vial, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other: _____

Regulatory Program (DW, RCRA, etc.) as applicable: DW

Rush (Pre-approval Required):
[ ] 2 day [ ] 3 day [ ] 5 day [X] Other: 24

Date Results Requested: ASAP

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: Lead

Analysis Requested

Lab Use Only: Proj. Mgr. / Acct Num / Client ID / Table # / Profile / Template

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Cauk (C)

Customer Sample ID	Matrix*	Comp/ Grab	Collected (Start) Date	Collected (Start) Time	Composite End Date	Composite End Time	# cont.	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	Target VOCs (EPA 524.2)	1,2-Dibromoethane (EDB) (EPA 8260)	Lead (EPA 6010)	% Solids	Sample Comment	Preservation non-conformance identified for sample
RW-1 @ 10'-11'	~~DW~~ SS	G	3/19/25	1455	-	-	5B	1	~~5~~ 4	X	X	X	X		

Additional Instructions from Pace: Target VOCs by EPA 524.2 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane

Collected By:

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

coolers | Thermometer ID | Correction Factor | Temp (°C) | Corrected Temp (°C) | [ ] on ice

Relinquished By / Company (Signature)	Date/Time	Received By / Company (Signature)	Date/Time
GES	3/19/25 1520	PA13	3/19/25 1520
PACE	3/19/25 1840		3/19 1840
	3/19	Anthony Green	MAR 19 2025 2230
Anthony Green			

Tracking #

Delivered By: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other:

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3/20 0405

ANALYTICAL REPORT

Lab Number:	L2532282
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	PROJ-051861
Report Date:	06/02/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2532282-01	RW-2-0708	SOIL	E-25060-RL-25300050	05/20/25 10:00	05/22/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532282
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532282
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The water-preserved VOA vials for Volatile Organics Low-Level analysis were received at the laboratory beyond the 48 hour holding time required for freezing. The client was notified and the results of the analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 06/02/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532282

Project Number: PROJ-051861 **Report Date:** 06/02/25

SAMPLE RESULTS

Lab ID: L2532282-01
Client ID: RW-2-0708
Sample Location: E-25060-RL-25300050

Date Collected: 05/20/25 10:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/30/25 13:52
Analyst: JIC
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0031	0.00031	1
Benzene	ND		mg/kg	0.00077	0.00026	1
1,2-Dichloroethane	ND		mg/kg	0.0015	0.00040	1
Toluene	ND		mg/kg	0.0015	0.00084	1
1,2-Dibromoethane	ND		mg/kg	0.00077	0.00045	1
Ethylbenzene	ND		mg/kg	0.0015	0.00022	1
p/m-Xylene	ND		mg/kg	0.0031	0.00087	1
o-Xylene	ND		mg/kg	0.0015	0.00045	1
Xylenes, Total	ND		mg/kg	0.0015	0.00045	1
Isopropylbenzene	ND		mg/kg	0.0015	0.00017	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0031	0.00030	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0031	0.00052	1
Naphthalene	ND		mg/kg	0.0062	0.0010	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532282

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/30/25 09:21
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2073162-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2073162-3 WG2073162-4								
Methyl tert butyl ether	92		87		66-130	6		30
Benzene	88		89		70-130	1		30
1,2-Dichloroethane	87		85		70-130	2		30
Toluene	88		88		70-130	0		30
1,2-Dibromoethane	90		88		70-130	2		30
Ethylbenzene	91		91		70-130	0		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	91		92		70-130	1		30
Isopropylbenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	95		96		70-130	1		30
1,2,4-Trimethylbenzene	95		96		70-130	1		30
Naphthalene	93		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		97		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2532282
Project Number: PROJ-051861
Report Date: 06/02/25

SAMPLE RESULTS

Lab ID: L2532282-01
Client ID: RW-2-0708
Sample Location: E-25060-RL-25300050
Date Collected: 05/20/25 10:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	21		mg/kg	0.76	0.07	10	06/02/25 10:07	06/02/25 12:41	EPA 3050B	1,6020B	SMV

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532282

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2073853-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	06/02/25 10:07	06/02/25 12:08	1,6020B	SMV

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2073853-2								
Lead, Total	101		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-3 QC Sample: L2532281-01 Client ID: MS Sample												
Lead, Total	12	49	58	94		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532282

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-4 QC Sample: L2532281-01 Client ID: DUP Sample						
Lead, Total	12	16	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

SAMPLE RESULTS

Lab ID: L2532282-01
Client ID: RW-2-0708
Sample Location: E-25060-RL-25300050

Date Collected: 05/20/25 10:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	05/24/25 02:41	121,2540G	JMN

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532282

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2070700-1 QC Sample: L2531079-01 Client ID: DUP Sample						
Solids, Total	83.6	85.0	%	2		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532282
Report Date: 06/02/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2532282-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2532282-01B	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532282-01C	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532282-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2532282-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532282
Project Number:	PROJ-051861	**Report Date:**	06/02/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532282
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532282
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532282

Project Number: PROJ-051861 **Report Date:** 06/02/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf
Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields.

L2532282
GES – PA – ER

Company Name: GES, Inc.	Contact/Report To: Stephanie Grillo
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341	Phone #: (610 458-1077x3064 / (610) 458-2300
	E-mail: Sgrillo@gesonline.com; gesinbox@gesonline.com
	CTEH_Deliverables@envsld.com; labresults@cteh.com; ges@gesonline.com
Customer Project #:	Invoice To: Energy Transfer
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing	Invoice E-Mail: spimeloanp mailbox@energytransfer.com
Site Collection Info/Facility ID (if applicable): Washington Crossing, Upper Makefield Township, PA	Purchase Order # (if applicable): 112203239
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County/State origin of sample(s): PA

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other: _____

Regulatory Programs (DW, RCRA, etc.) as applicable: DW

Rush (Pre-approval Required):
[ ] 2 day [ ] 3 day [ ] 5 day [X] Other: 24

Date Results Requested: ASAP

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: Lead

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Liquid (L)

Customer Sample ID	Matrix*	Comp/ Grab	Collected (Start) Date	Collected (Start) Time	Composite End Date	Composite End Time	# cont.	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	PA Leaded gasoline (EPA 8260) - BTEX, MTBE, cumene, naphthalene, 1,2,4-TMB, 1,3,5-TMB, EDC		Lead (EPA 7420 or 6010)	1,2-Dibromoethane (EDB) (EPA 8260)	Moisture			Sample Comment	Preservation non-conformance identified for sample
RW-2 - 0708	SO	G	5/20/25	10:00	-	-	5	0	5	X		X	X	X				
~~RW-2~~	~~SO~~	~~G~~					5	0	5	X		X	X	X	MH			

Specify Container Size **: C 6 5 5

Identify Container Preservative Type***: 0 HNO3 N 1

**Container Size: (1) 1L, (2) 500 mL, (3) 250 mL, (4) 125 mL, (5) 100 mL, (6) 40 mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) 40 mL vial, (7) NaHSO4, (8) Soil, Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only: Proj. Mgr.; Acct.Num/ Client ID; Table #; Profile/Template

Additional instructions from Pace: Target VOCs by EPA8260 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane

Collected By: Michael Haeeebrouck

Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# coolers	Thermometer ID	Correction Factor	Temp (°C)	Corrected Temp (°C)	[ ] on ice

Relinquished By / Company Signature	Date/Time	Received By/Company Signature	Date/Time	Tracking #
[signature] PACE	5/22/25 1445	[signature] PACE	5/22/25 1445	
[signature] PACE	5/22 1330	Received By/Company Signature	5/22 1330	Delivered By: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other:
Relinquished By / Company Signature	5/22	Anthony Green	MAY 22 2025 2330	
Anthony Green	Date/Time	[signature]	Date/Time	Page: of

5/23/25 0900 — 5123 0400

ANALYTICAL REPORT

Lab Number:	L2532283
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	PROJ-051861
Report Date:	06/02/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2532283-01	RW-3-0203	SOIL	E-25060-RL-25300050	05/19/25 14:00	05/22/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532283
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532283
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The water-preserved VOA vials for Volatile Organics Low-Level analysis were received at the laboratory beyond the 48 hour holding time required for freezing. The client was notified and the results of the analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 06/02/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532283

Project Number: PROJ-051861 **Report Date:** 06/02/25

SAMPLE RESULTS

Lab ID: L2532283-01
Client ID: RW-3-0203
Sample Location: E-25060-RL-25300050

Date Collected: 05/19/25 14:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/31/25 15:39
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00021	1
Benzene	ND		mg/kg	0.00053	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00027	1
Toluene	ND		mg/kg	0.0010	0.00057	1
1,2-Dibromoethane	ND		mg/kg	0.00053	0.00031	1
Ethylbenzene	0.00029	J	mg/kg	0.0010	0.00015	1
p/m-Xylene	0.0015	J	mg/kg	0.0021	0.00059	1
o-Xylene	0.0012		mg/kg	0.0010	0.00031	1
Xylenes, Total	0.0027	J	mg/kg	0.0010	0.00031	1
Isopropylbenzene	0.00068	J	mg/kg	0.0010	0.00011	1
1,3,5-Trimethylbenzene	0.016		mg/kg	0.0021	0.00020	1
1,2,4-Trimethylbenzene	0.043		mg/kg	0.0021	0.00035	1
Naphthalene	0.068		mg/kg	0.0042	0.00068	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532283

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/31/25 14:49
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2073640-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2073640-3 WG2073640-4								
Methyl tert butyl ether	95		90		66-130	5		30
Benzene	108		97		70-130	11		30
1,2-Dichloroethane	104		96		70-130	8		30
Toluene	108		99		70-130	9		30
1,2-Dibromoethane	96		93		70-130	3		30
Ethylbenzene	112		102		70-130	9		30
p/m-Xylene	116		105		70-130	10		30
o-Xylene	113		104		70-130	8		30
Isopropylbenzene	118		103		70-130	14		30
1,3,5-Trimethylbenzene	117		104		70-130	12		30
1,2,4-Trimethylbenzene	118		105		70-130	12		30
Naphthalene	100		93		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	98		98		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532283

Project Number: PROJ-051861 **Report Date:** 06/02/25

SAMPLE RESULTS

Lab ID: L2532283-01 Date Collected: 05/19/25 14:00

Client ID: RW-3-0203 Date Received: 05/22/25

Sample Location: E-25060-RL-25300050 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	29		mg/kg	0.65	0.06	10	06/02/25 10:07	06/02/25 12:45	EPA 3050B	1,6020B	SMV

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532283

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2073853-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	06/02/25 10:07	06/02/25 12:08	1,6020B	SMV

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2073853-2								
Lead, Total	101		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-3 QC Sample: L2532281-01 Client ID: MS Sample												
Lead, Total	12	49	58	94		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532283

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-4 QC Sample: L2532281-01 Client ID: DUP Sample						
Lead, Total	12	16	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

SAMPLE RESULTS

Lab ID: L2532283-01
Client ID: RW-3-0203
Sample Location: E-25060-RL-25300050

Date Collected: 05/19/25 14:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	05/24/25 02:41	121,2540G	JMN

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532283

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2070700-1 QC Sample: L2531079-01 Client ID: DUP Sample						
Solids, Total	83.6	85.0	%	2		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532283
Report Date: 06/02/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2532283-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2532283-01B	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532283-01C	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532283-01D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2532283-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532283
Project Number:	PROJ-051861	**Report Date:**	06/02/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532283
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532283
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532283

Project Number: PROJ-051861 **Report Date:** 06/02/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

L2532283
GES – PA – ER

Company Name: GES, Inc	Contact/Report To: Stephanie Grillo
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341	Phone #: (610 458-1072x3064 / (610) 458-2300
	E-mail: Sgrillo@gesonline.com; gesinbox@gesonline.com
	CTEH_Deliverables@ervsld.com; labresults@clch.com; ges@gesonline.com
Customer Project #:	Invoice To: Energy Transfer
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing	Invoice E-Mail:
Site Collection Info/Facility ID (if applicable): Washington Crossing, Upper Makefield Township, PA	Purchase Order # (if applicable):112203239
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County/State origin of sample(s): PA

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other: _____

Regulatory Program (DW, RCRA, etc.) as applicable: DW

Rush (Pre-approval Required):
( ) 2 day [ ] 3 day [ ] 5 day [X] Other: 24

Date Results Requested: ASAP

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: Lead

*Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolid (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Cank (C)

Specify Container Size **

6	6	5		5		

**Container Size: (1) 1L, (2) 500 mL, (3) 250 mL, (4) 125 mL, (5) 100 mL, (6) 40 mL vial, (7) EnCore, (8) TerraCore, (9) Other

Identify Container Preservative Type***

10	Hyge	1		1		

*** (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) 40 mL vial, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix*	Comp/ Grab	Collected (Start) Date	Collected (Start) Time	Composite End Date	Composite End Time	# cont.	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	PA Leaded gasoline (EPA 8260) - BTEX, MTBE, cumene, naphthalene, 1,2,4-TMB, 1,3,5-TMB, EDC		Lead (EPA 7420 or 6010)	1,2-Dibromoethane (EDB) (EPA 8260)	Moisture			Sample Comment	Preservative non-conformance identified for sample
RW-3 - 0203	SO	G	5/16/25	1400	-	-	5	0	5	X		X	X	X				
~~RW-3~~	~~SO~~	~~G~~			-	-	5	0	5	X		X	X	~~X~~	MH			

Lab Use Only: Proj. Mgr: | Acctnum/ Client ID | Table # | Profile/Template

Additional instructions from Pace: Target VOCs by EPA8260 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane

Collected By: Mike Hagerbrauk
Signature:

Customer Remarks / Special Conditions / Possible Hazards

# coolers	Thermometer ID	Correction Factor	Temp (°C)	Corrected Temp (°C)	( ) on ice

Relinquished By / Company (Signature)	Date/Time	Received By/Company (Signature)	Date/Time
GES	5/22/25 1445	PACE	5/22/25 1445
PACE	1830		5.22.1830
	5.22	Anthony Green	MAY 22 2025 2330
Anthony Green			5/23/25 0400

Packing #:

Delivered By: In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other:

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PACE 5/23/25 0400

5/23 0400

ANALYTICAL REPORT

Lab Number:	L2532281
Client:	Groundwater & Environmental Services, In 410 Eagleview Blvd Exton, PA 19341
ATTN:	Stephanie Grillo
Phone:	(641) 458-1077
Project Name:	SUNOCO PIPELINE LP (SPLP)
Project Number:	PROJ-051861
Report Date:	06/02/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2532281-01	RW-4-0405	SOIL	E-25060-RL-25300050	05/19/25 16:00	05/22/25

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532281
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532281
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The water-preserved VOA vials for Volatile Organics Low-Level analysis were received at the laboratory beyond the 48 hour holding time required for freezing. The client was notified and the results of the analysis are reported.

Total Metals

The WG2073853-4 Laboratory Duplicate RPD performed on L2532281-01 is outside the acceptance criteria for lead (29%) due to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 06/02/25

ORGANICS

VOLATILES

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532281

Project Number: PROJ-051861 **Report Date:** 06/02/25

SAMPLE RESULTS

Lab ID: L2532281-01
Client ID: RW-4-0405
Sample Location: E-25060-RL-25300050

Date Collected: 05/19/25 16:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/30/25 13:13
Analyst: JIC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00025	1
Benzene	ND		mg/kg	0.00063	0.00021	1
1,2-Dichloroethane	ND		mg/kg	0.0013	0.00032	1
Toluene	ND		mg/kg	0.0013	0.00068	1
1,2-Dibromoethane	ND		mg/kg	0.00063	0.00037	1
Ethylbenzene	ND		mg/kg	0.0013	0.00018	1
p/m-Xylene	ND		mg/kg	0.0025	0.00070	1
o-Xylene	ND		mg/kg	0.0013	0.00037	1
Xylenes, Total	ND		mg/kg	0.0013	0.00037	1
Isopropylbenzene	ND		mg/kg	0.0013	0.00014	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0025	0.00024	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0025	0.00042	1
Naphthalene	ND		mg/kg	0.0050	0.00082	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532281

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/30/25 09:21
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2073162-5					
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Toluene	ND		mg/kg	0.0010	0.00054
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
Naphthalene	ND		mg/kg	0.0040	0.00065

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2073162-3 WG2073162-4								
Methyl tert butyl ether	92		87		66-130	6		30
Benzene	88		89		70-130	1		30
1,2-Dichloroethane	87		85		70-130	2		30
Toluene	88		88		70-130	0		30
1,2-Dibromoethane	90		88		70-130	2		30
Ethylbenzene	91		91		70-130	0		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	91		92		70-130	1		30
Isopropylbenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	95		96		70-130	1		30
1,2,4-Trimethylbenzene	95		96		70-130	1		30
Naphthalene	93		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		97		70-130

METALS

Project Name: SUNOCO PIPELINE LP (SPLP)
Lab Number: L2532281
Project Number: PROJ-051861
Report Date: 06/02/25

SAMPLE RESULTS

Lab ID: L2532281-01
Client ID: RW-4-0405
Sample Location: E-25060-RL-25300050
Date Collected: 05/19/25 16:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	12		mg/kg	0.71	0.06	10	06/02/25 10:07	06/02/25 12:18	EPA 3050B	1,6020B	SMV

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532281

Project Number: PROJ-051861 **Report Date:** 06/02/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2073853-1										
Lead, Total	ND		mg/kg	0.60	0.05	10	06/02/25 10:07	06/02/25 12:08	1,6020B	SMV

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2073853-2								
Lead, Total	101		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-3 QC Sample: L2532281-01 Client ID: RW-4-0405												
Lead, Total	12	49	58	94		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532281

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2073853-4 QC Sample: L2532281-01 Client ID: RW-4-0405						
Lead, Total	12	16	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

SAMPLE RESULTS

Lab ID: L2532281-01
Client ID: RW-4-0405
Sample Location: E-25060-RL-25300050

Date Collected: 05/19/25 16:00
Date Received: 05/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	05/24/25 02:41	121,2540G	JMN

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUNOCO PIPELINE LP (SPLP)

Project Number: PROJ-051861

Lab Number: L2532281

Report Date: 06/02/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2070700-1 QC Sample: L2531079-01 Client ID: DUP Sample						
Solids, Total	83.6	85.0	%	2		20

Project Name: SUNOCO PIPELINE LP (SPLP)
Project Number: PROJ-051861

Lab Number: L2532281
Report Date: 06/02/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2532281-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2532281-01B	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532281-01C	Vial water preserved	A	NA		2.2	Y	Absent	**23-MAY-25 10:40**	PA-8260HLW(14)
L2532281-01D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2532281-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532281
Project Number:	PROJ-051861	**Report Date:**	06/02/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532281
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUNOCO PIPELINE LP (SPLP)	**Lab Number:**	L2532281
Project Number:	PROJ-051861	**Report Date:**	06/02/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SUNOCO PIPELINE LP (SPLP) **Lab Number:** L2532281

Project Number: PROJ-051861 **Report Date:** 06/02/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields.

L2532281
GES – PA – ER

Company Name: GES, Inc.	Contact/Report To: Stephanie Grillo
Street Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341	Phone #: (610 458-1077x3064 / (610) 458-2300
	E-mail: Sgrillo@gesonline.com; gesinbox@gesonline.com
	CTEH_Deliverables@envsol.com; labresults@cteh.com; ges@gesonline.com
Customer Project #:	Invoice To: Energy Transfer
Project Name: Sunoco Pipeline LP (SPLP) Washington Crossing	Invoice E-Mail: apinvoicesetup.mailbox@energytransfer.com
Site Collection Info/Facility ID (if applicable): Washington Crossing, Upper Makefield Township, PA	Purchase Order # (if applicable):112203239
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	Quote #:
	County/State origin of sample(s): PA

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other: _____

Regulatory Program (DW, RCRA, etc.) as applicable: DW

Rush (Pre-approval Required):
[ ] 2 day [ ] 3 day [ ] 5 day [X] Other: 24

Date Results Requested: ASAP

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: Lead

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Leak (C)

Specify Container Size **

6	6	5		5		

** Container Size: (1) 1L, (2) 500 mL, (3) 250 mL, (4) 125 mL, (5) 100 mL, (6) 40 mL vial, (7) Encore, (8) TerraCore, (9) Other

Identify Container Preservative Type***

10	11 Encore	1		1		

*** (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) 40 mL vial, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix*	Comp/ Grab	Collected (Start) Date	Collected (Start) Time	Composite End Date	Composite End Time	# cont.	Number & Type of Containers Plastic	Number & Type of Containers Glass	PA Leaded gasoline (EPA 8260) - BTEX, MTBE, cumene, naphthalene, 1,2,4-TMB, 1,3,5-TMB, EDC		Lead (EPA 7420 or 6010)	1,2-Dibromoethane (EDB) (EPA 8260)	Moisture			Sample Comment	Preservation non-conformance identified for sample
RW-4 – 0405	SO	G	5/19/25	1600	-	-	5	0	5	X		X	X	X				
~~RW-4~~	SO	G					5	0	5	X		X	X	X	MH			

Lab Use Only: Proj. Mgr. | Acct/Nam/ Client ID | Table # | Profile/Template

Additional instructions from Pace: Target VOCs by EPA8260 list: BTEX, Isopropylbenzene, MTBE, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichloroethane

Collected By: Mike Howard Brouch

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

coolers: | Thermometer ID: | Correction Factor: | Temp (°C): | Corrected Temp (°C): | [ ] on ice:

Relinquished By / Company Signature: Pace	Date/Time: 5/22/25 1330	Received By/Company Signature:	Date/Time: 5.22.25 1330	Tracking #	
Relinquished By / Company Signature:	Date/Time: 5.22	Received By/Company Signature: Anthony Green	Date/Time: MAY 22 2025 2330	Delivered by: In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other:	
Relinquished By / Company Signature: Anthony Green	Date/Time:	Received By/Company Signature:	Date/Time: 5/23 0400	Page: of	