Appendix O.2

Excavation Area Soil Boring Laboratory Results

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
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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.

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

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

L2538379
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
	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:

Specify Container Size **: 6 | 4 | 6 | 4 | 4

Identify Container Preservative Type***: 11 | 10 | 1 | 11/10 | 1 | 1

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 8260) - 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]

Relinquished By / Company	Date/Time	Received By / Company	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

Anthony Green [signature] 0340 6/19/25 [signature] 06/19 [illegible]

6/19/25 0340

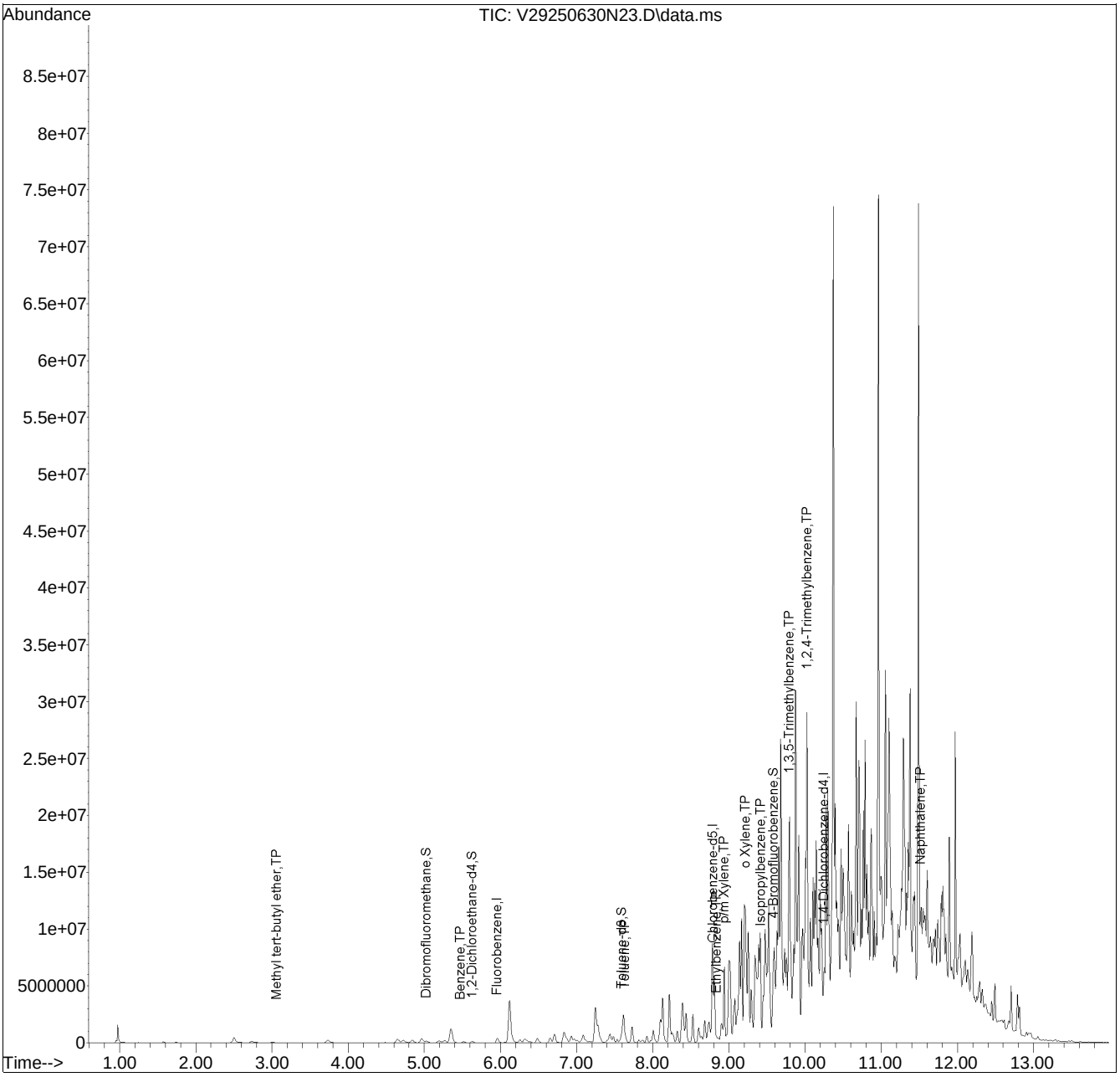
Page: 1 of 1

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•

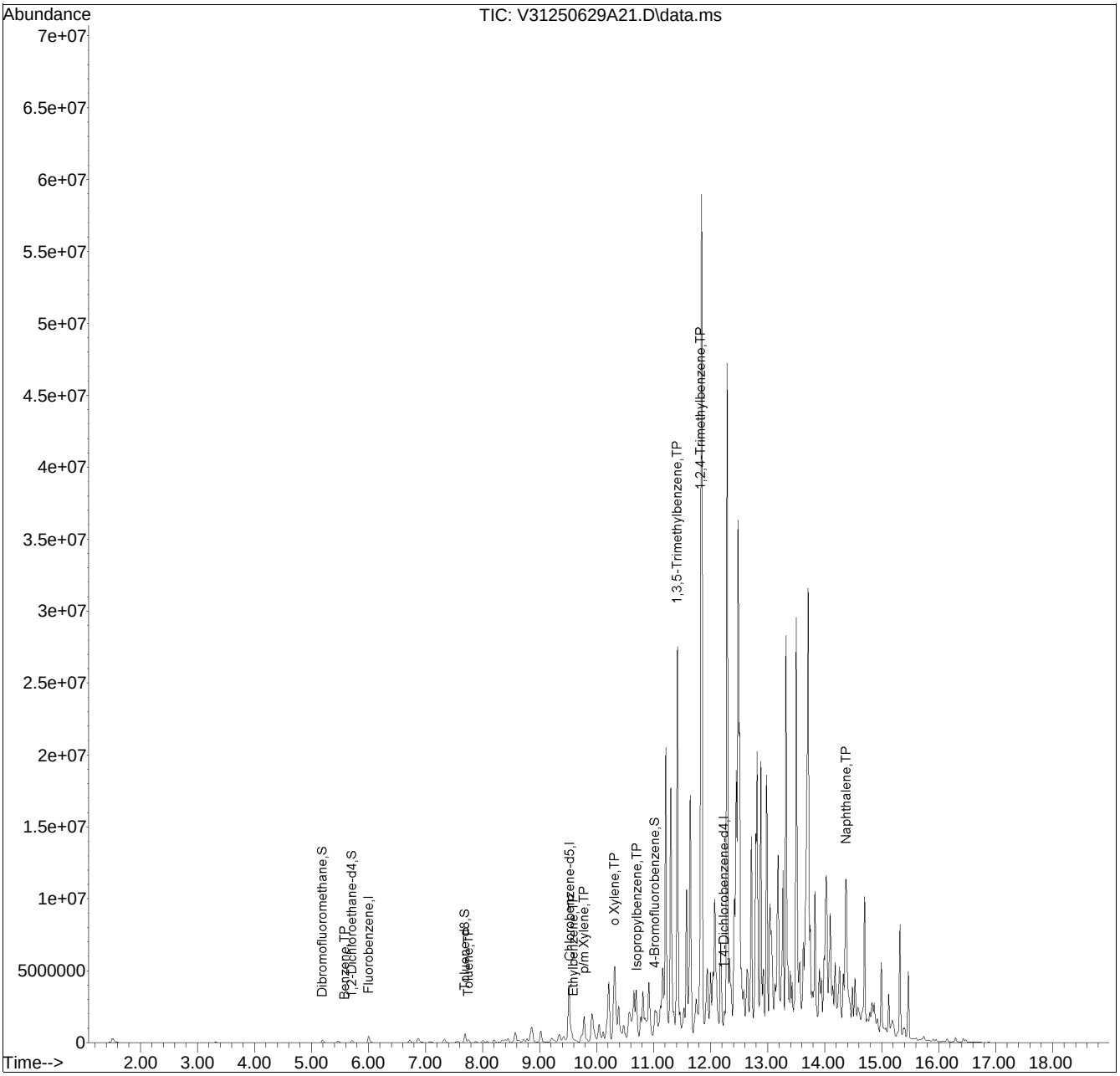


Quantitation Report (QT Reviewed)

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•



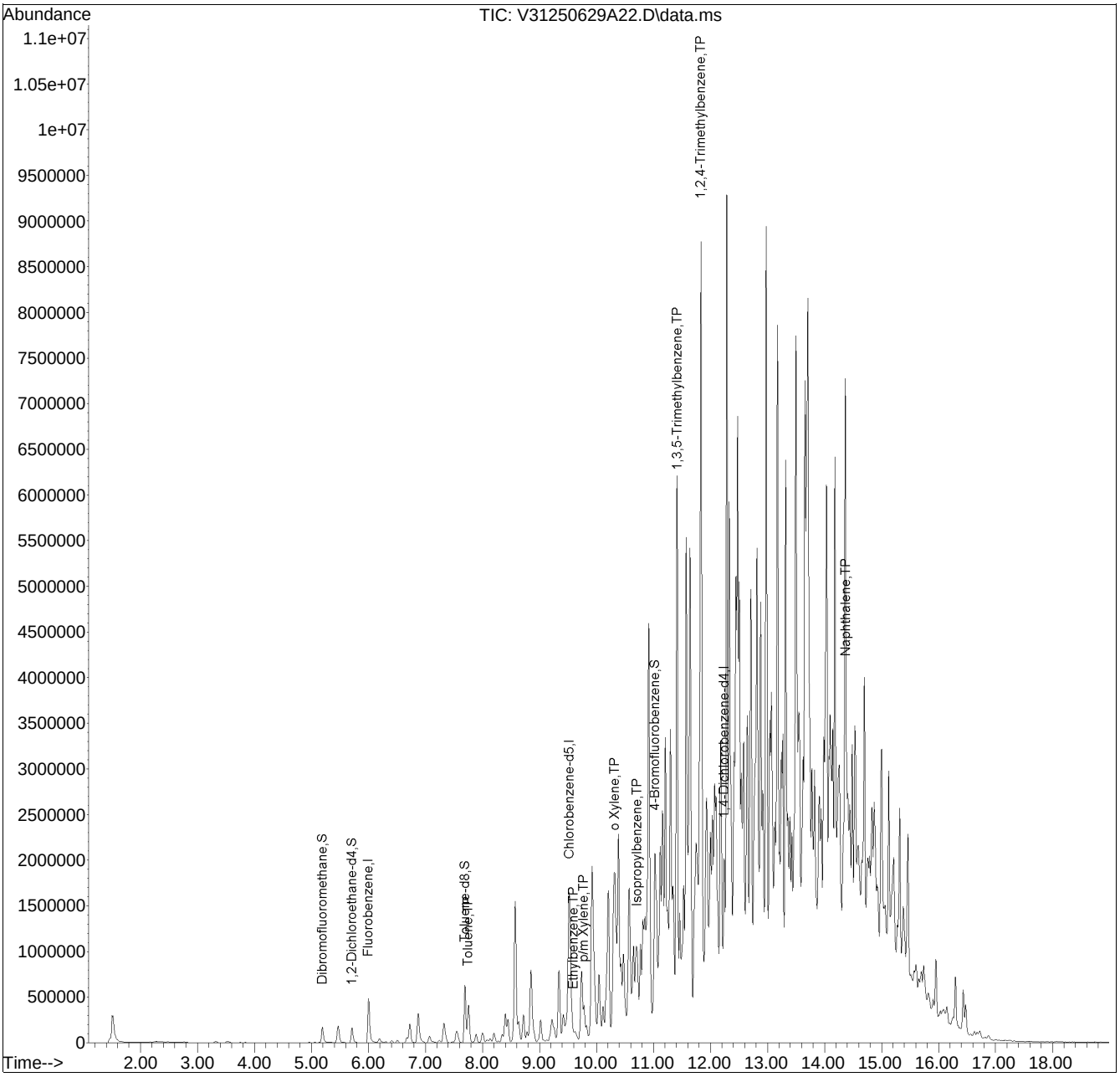
V131_250502A_8260.m Mon Jun 30 12:27:07 2025 Page: 2

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•

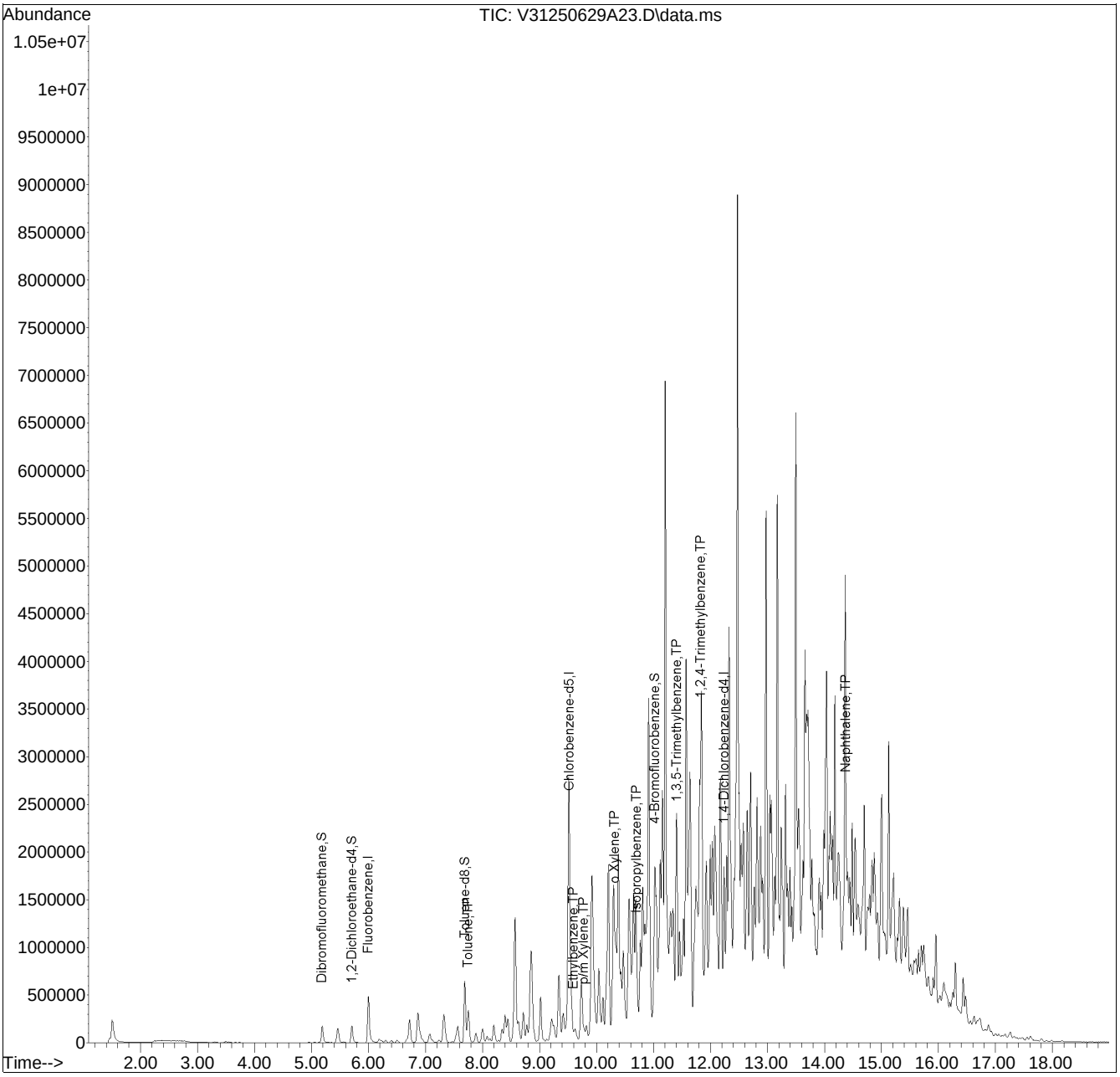


Quantitation Report (QT Reviewed)

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•



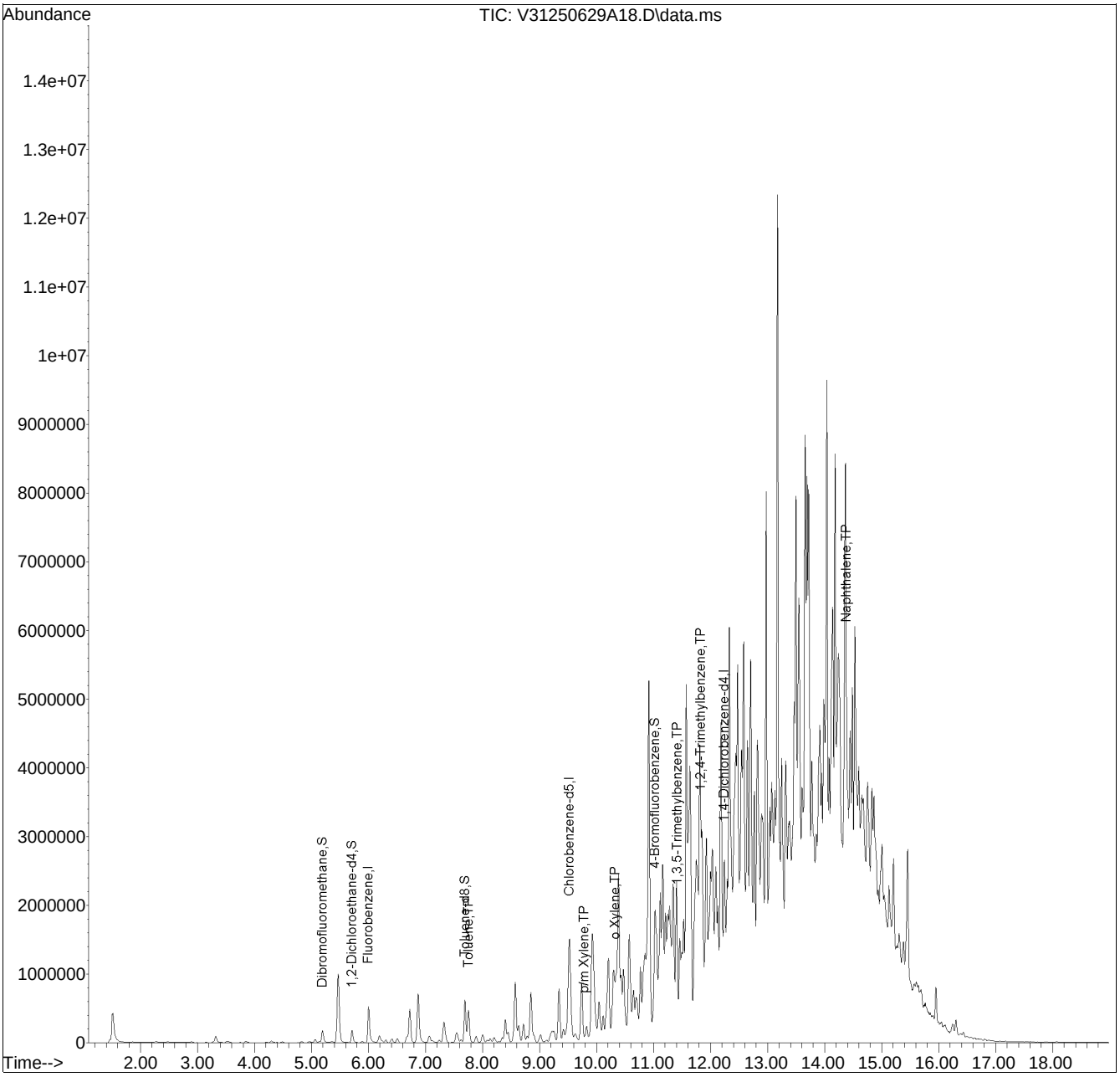
V131_250502A_8260.m Mon Jun 30 12:27:19 2025 Page: 2

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•



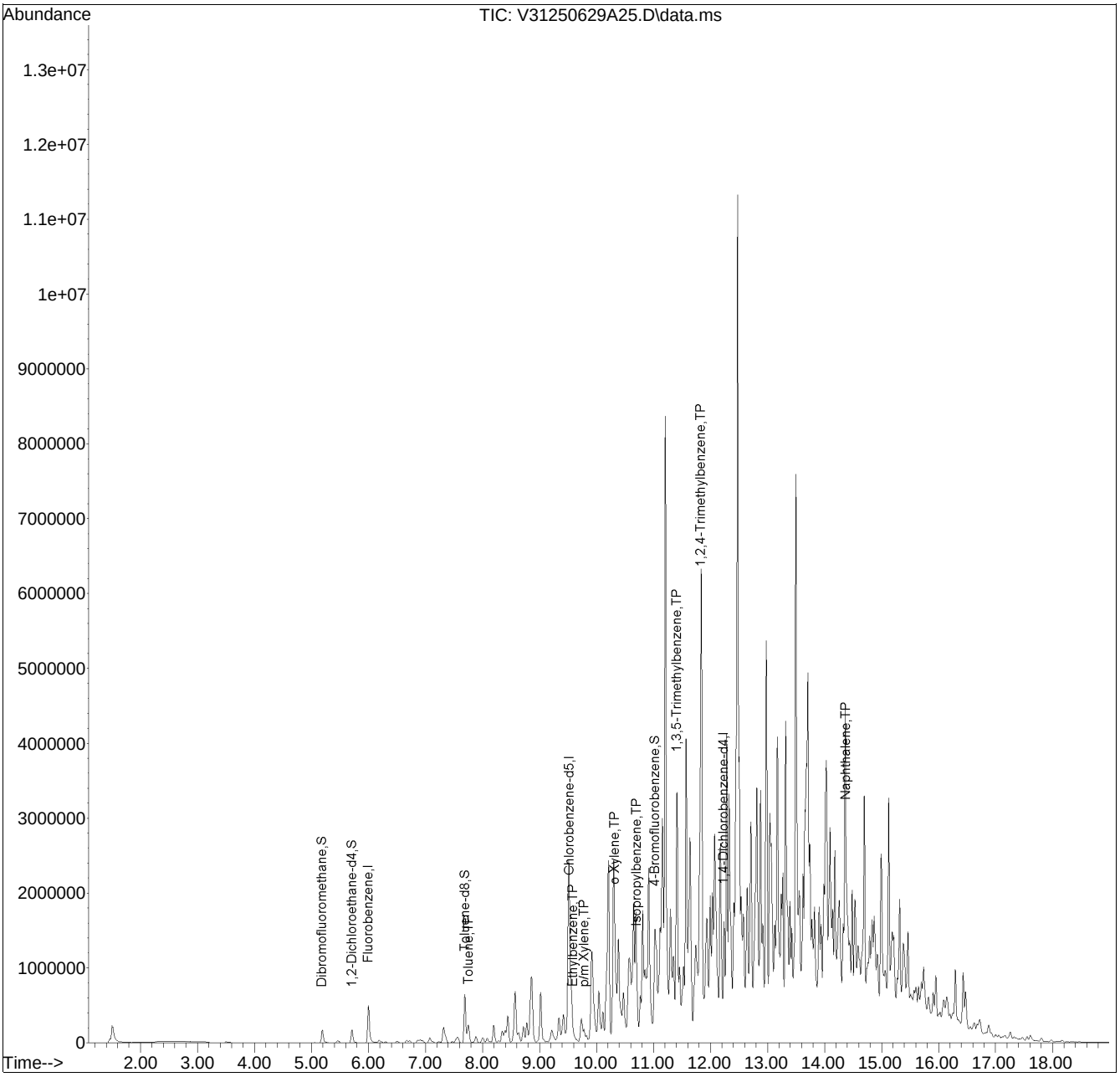
V131_250502A_8260.m Mon Jun 30 12:26:51 2025 Page: 2

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**