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January 8, 2026

Mr. Greg Cassidy

South Carolina Department of Environmental Services
Division of Site Assessment, Remediation, and Revitalization
Bureau of Land and Waste Management
2600 Bull Street, Columbia, South Carolina 29201

SUBJECT: Quarterly Progress Report – Fourth Quarter 2025
CSXT Bramlett Road Site
400 East Bramlett Road
Greenville, South Carolina
VCC 16-5857-RP

Dear Mr. Cassidy:

This Quarterly Progress Report pertaining to the CSXT Bramlett Road Site (Former Bramlette Manufactured Gas Plant site) has been prepared in accordance with the requirements of the Responsible Party Voluntary Cleanup Contract (VCC 16-5857-RP) between Duke Energy Carolinas, LLC and the South Carolina Department of Environmental Services (SCDES), formerly the Department of Health and Environmental Control, dated July 29, 2016.

In April 2025, SCDES issued a Record of Decision selecting excavation and removal of the Vaughn Landfill and sediment impacted with non-aqueous phase liquid (NAPL), monitoring, and land use controls as the remedy for Operable Units 1 and 2. Excavation includes removal of impacted sediment from the Legacy Early College Elementary parcel and Parcels 3, 4, and 5. Limited soil excavation on Parcel 2 is also included in the remedy. Quarterly progress reporting will continue as described in VCC 16-5857-RP until a Certificate of Completion has been issued by the SCDES. This Quarterly Progress Report summarizes:

- work performed during the reporting period;
- test and sampling results generated during the reporting period;
- environmental problems experienced during the reporting period and their resolutions; and
- work to be performed during the next reporting period.

The information is provided in the sections below.

Work Performed During this Reporting Period

Work performed during the fourth quarter (October 1 through December 31, 2025) is summarized in the table below. A site layout map is included on **Figure 1**.

Date	Activity
October 2, 2025	Quarterly Progress Report – Submitted third quarter 2025 report to SCDES.
October 20, 2025 November 21, 2025 December 23, 2025	Surface Water Best Management Practice (BMP) Inspections – Inspected sheen boom, rock check dams, and concrete cloth.
October 20, 2025	Site Maintenance Activities – Clearing was completed to cut vegetation overgrowth and maintain pathways to groundwater monitoring well locations and BMP inspection locations.
October 20, 2025	Sediment Waste Characterization Sampling – Sediment samples were collected from two beaver dams for waste characterization purposes prior to planned transportation and disposal of sediment as part of BMP maintenance activities (to include beaver dam removal to facilitate access for BMP maintenance).
October 22, 2025	Transducer Data Download – Downloaded data from pressure transducers and recorded water level measurements from groundwater monitoring wells.
December 17 – December 19, 2025	Beaver Dam Removal – Beaver dams were breached to drain impounded water and were removed where the dams were on or near BMP features.

Summary of Test and Sampling Results Generated During this Reporting Period

Sediment samples were collected from two beaver dams during the fourth quarter reporting period to support waste characterization for planned BMP maintenance and associated beaver dam removal activities. Results indicate that the sediment can be disposed of as a non-hazardous waste at an approved Subtitle D landfill. The results are summarized as follows.

- No semi-volatile organic compounds (SVOCs) were detected at SD-IDW-1 and detected volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) were less than industrial and residential screening criteria.
- A limited number of SVOCs at SD-IDW-2 were greater than EPA Residential Regional Screening Levels (RSLs), including benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.
- Only benzo(a)pyrene at SD-IDW-2 was detected above the industrial RSL.

Figure 1 shows the approximate sediment sample locations. **Table 1** presents a summary of detected analytical results. The laboratory analytical report is also attached.

Environmental Problems Identified During Reporting Period and their Resolution

No environmental problems were identified during the fourth quarter reporting period.

Work to be Performed During the Next Reporting Period (First Quarter 2026)

Activities scheduled to be completed during the first quarter of 2026 (January 1 through March 31, 2026) are summarized in the table below. The proposed schedule is subject to change based on safe work practices, weather conditions, site access, availability of subcontractors, and other unforeseen delays. Field work notifications will be provided in accordance with the VCC and access agreements.

Proposed Date	Activity
January 2026	Sediment stockpiled as part of BMP maintenance activities completed in December 2025 will be properly disposed of off-Site at Duke Energy-approved Subtitle D landfill.
April 2026	Quarterly Progress Report – Submit progress report for the fourth quarter 2025.
First Quarter 2026	Inspection and maintenance of surface water BMPs per approved work plan to be completed once per month and after significant rainfall or flood events.

If you have any questions regarding this submittal, please contact me at 980.373.2663 or by email at **Richard.Powell2@duke-energy.com**.

Sincerely,

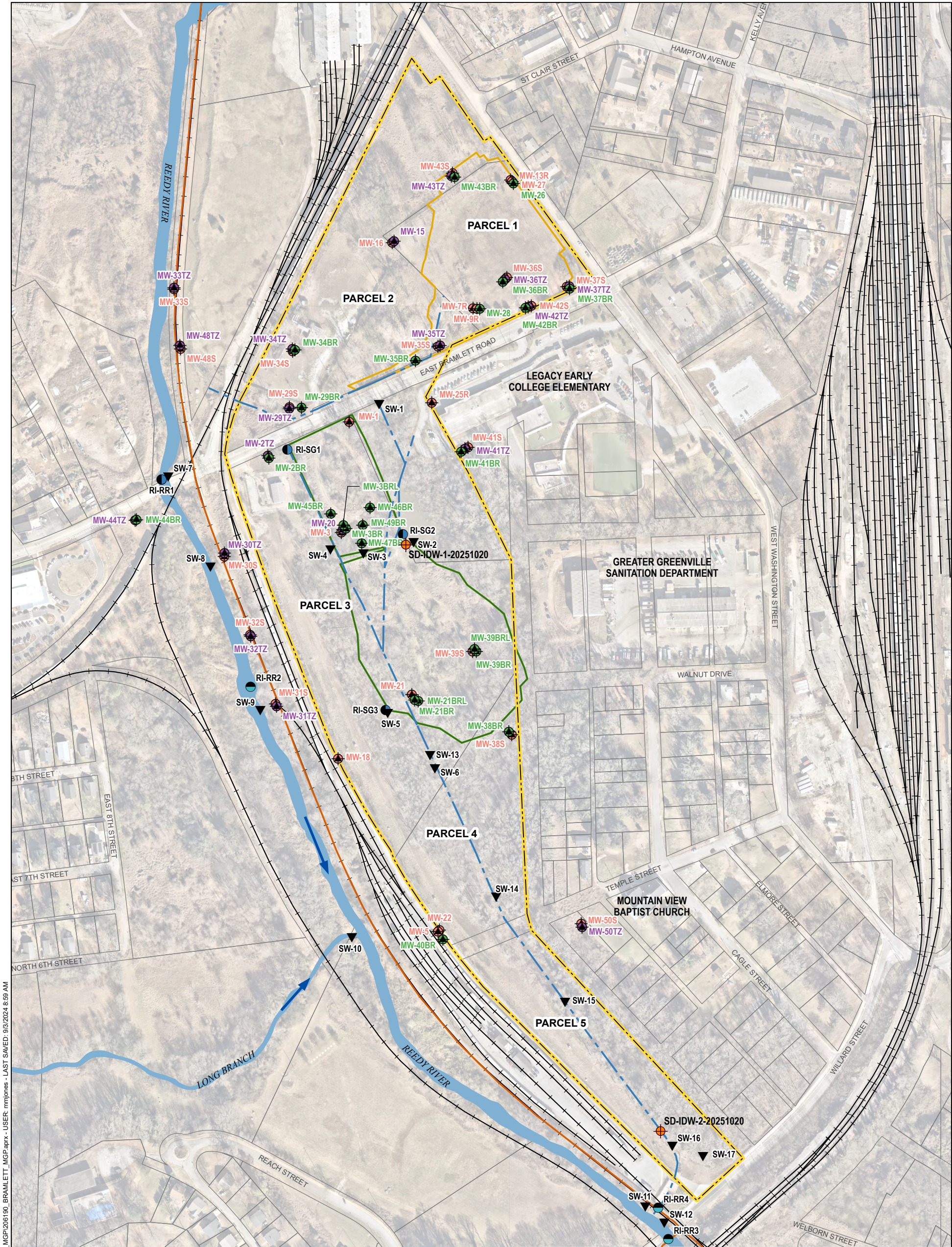
Richard E. Powell

Richard E. Powell, P.G.
Project Manager II

Cc: Kevin Boland, CSXT; Daniel Schmitt, Esq., CSXT
Ty Houck, Greenville County
Todd Plating, Haley & Aldrich, Inc.
Angie Grooms, ERM
Pastor Stacey Mills, Mountain View Baptist Church

ATTACHMENTS: Figure 1 – Site Layout Map
Table 1 – Summary of Sediment Analytical Results.
Attachment 1 – Laboratory Analytical Report

FIGURE



GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0206190\GIS\0206190_BRAMLETT_MGP.aprx - USER: mmjones - LAST SAVED: 9/9/2024 8:59 AM

LEGEND

- WELL SCREENED IN SHALLOW ZONE
- WELL SCREENED IN TRANSITION ZONE
- WELL SCREENED IN BEDROCK ZONE
- RIVER GAUGE
- STAFF GAUGE
- SURFACE WATER SAMPLE

- RAILROAD
- VAUGHN LANDFILL
- SWAMP RABBIT TRAIL
- EXCAVATED AREA, 2001 - 2002

- FORMER DRAINAGE DITCH, 1964
- SURFACE WATER FLOW DIRECTION
- SITE BOUNDARY
- PARCEL BOUNDARY
- SEDIMENT SAMPLE LOCATION (OCT 2025)

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- MGP = MANUFACTURED GAS PLANT
- PARCEL DATA SOURCE: GREENVILLE COUNTY
- AERIAL IMAGERY SOURCE: NEARMAP, 20 JANUARY 2023



0 270 540
SCALE IN FEET

**HALEY
ALDRICH**

CSXT BRAMLETT ROAD SITE
400 EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

SITE LAYOUT MAP

SEPTEMBER 2024

FIGURE 1

TABLE

TABLE 1
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
 FORMER BRAMLETT MGP SITE
 GREENVILLE, SOUTH CAROLINA
 FILE NO. 0206190

Sample Name Sample Date	Criteria			SD-1DW-1-20251020	SD-1DW-2-20251020
	EPA RSL Industrial Soil	EPA RSL Residential Soil	EPA Region 4 ERA Refinement Screening Value	10/20/2025	10/20/2025
Volatile Organic Compounds (mg/kg)					
1,2,4-Trimethylbenzene	1800	300	0.361	0.017 J	0.02
Acetone	1100000	70000	38.133	0.25 J	0.11 J
Cymene (p-Isopropyltoluene)	1100	170	0.242	0.026 U	0.024
Ethylbenzene	25	5.8	1.467	0.026 U	0.11
Naphthalene	8.6	2	3.85	0.05	0.15
n-Propylbenzene	24000	3800	NA	0.026 U	0.21
o-Xylene	2800	640	1.074	0.02 J	0.024
Toluene	47000	4900	2.074	0.045	0.07
Xylene (Total)	2500	580	1.074	0.02 J	0.024 J
SVOCs and PAHs (mg/kg)					
Acenaphthylene	NA	NA	4.52	0.92 U	0.61 J
Anthracene	230000	18000	5.94	0.92 U	1.1
Benzo(a)anthracene	21	1.1	8.41	0.92 U	2.6
Benzo(a)pyrene	2.1	0.11	9.65	0.92 U	2.2
Benzo(b)fluoranthene	21	1.1	9.79	0.92 U	2.6
Benzo(g,h,i)perylene	NA	NA	10.9	0.92 U	1.3
Benzo(k)fluoranthene	210	11	9.81	0.92 U	0.9
Chrysene	2100	110	8.44	0.92 U	2.3
Dibenz(a,h)anthracene	2.1	0.11	11.2	0.92 U	0.3 J
Fluoranthene	30000	2400	7.07	0.92 U	4.4
Fluorene	30000	2400	5.38	0.92 U	0.39 J
Indeno(1,2,3-cd)pyrene	21	1.1	11.2	0.92 U	1.6
Phenanthrene	NA	NA	5.96	0.92 U	3.7
Pyrene	23000	1800	6.97	0.92 U	3.9
Polychlorinated Biphenyls (mg/kg)					
Aroclor-1260 (PCB-1260)	0.99	0.24	0.676	0.072 J	0.12

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

NA: not available

J: value is estimated

U: not detected. Value is reporting limit

SVOCs: Semi-Volatile Organic Compounds

PAHs: Polycyclic Aromatic Hydrocarbons

EPA: U.S. Environmental Protection Agency

RSL: Regional Screening Level (for Hazard Index = 1.0, most recently updated November 2024)

ERA: Ecological Risk Assessment Supplemental Guidance

Detected analytes are shown. If duplicate results were detected for SVOCs and PAHs, the higher detected concentration was listed.

Green highlighted results indicate concentration greater than EPA Residential Soil RSL.

Orange highlighted results indicate concentration greater than EPA Industrial Soil RSL.

Attachment 1



October 30, 2025

Jacqueline Roddy
Haley & Aldrich
400 August St
Suite 100
Greenville, SC 29601

RE: Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Dear Jacqueline Roddy:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

Revised Report: The reportable units of measure have been changed.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton
lorri.patton@pacelabs.com
828-417-6055
Project Manager

Enclosures

cc: Dave Evans, Haley and Aldrich
Allison Guzman, Haley and Aldrich
Program Manager, Duke Energy
Todd Plating, Haley & Aldrich
Casey Portela, Haley & Aldrich
Wesley Prater, Haley & Aldrich
Brian Wilson, Haley & Aldrich, Inc.
Rob Yeoman, Haley & Aldrich, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kincey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92824929001	SD-1DW-1-20251020	Solid	10/20/25 10:50	10/21/25 14:45
92824929002	SD-1DW-2-20251020	Solid	10/20/25 12:15	10/21/25 14:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92824929001	SD-1DW-1-20251020	EPA 8082A	BAJ	8	PASI-C
		EPA 8270E	PKS	68	PASI-C
		EPA 8270E	PKS	21	PASI-C
		EPA 8260D	SAS	70	PASI-C
		SW-846	KDF	1	PASI-C
92824929002	SD-1DW-2-20251020	EPA 8082A	BAJ	8	PASI-C
		EPA 8270E	PKS	68	PASI-C
		EPA 8270E	PKS	21	PASI-C
		EPA 8260D	SAS	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92824929001	SD-1DW-1-20251020					
EPA 8082A	PCB-1260 (Aroclor 1260)	0.072J	mg/kg	0.090	10/23/25 10:57	
EPA 8260D	Acetone	0.25J	mg/kg	0.51	10/29/25 02:05	
EPA 8260D	Naphthalene	0.050	mg/kg	0.026	10/29/25 02:05	
EPA 8260D	Toluene	0.045	mg/kg	0.026	10/29/25 02:05	
EPA 8260D	1,2,4-Trimethylbenzene	0.017J	mg/kg	0.026	10/29/25 02:05	
EPA 8260D	Xylene (Total)	0.020J	mg/kg	0.051	10/29/25 02:05	
EPA 8260D	o-Xylene	0.020J	mg/kg	0.026	10/29/25 02:05	
SW-846	Percent Moisture	63.6	%	0.10	10/22/25 13:21	N2
92824929002	SD-1DW-2-20251020					
EPA 8082A	PCB-1260 (Aroclor 1260)	0.12	mg/kg	0.063	10/23/25 21:46	
EPA 8270E	Anthracene	0.23J	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Benzo(a)anthracene	1.1	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Benzo(b)fluoranthene	1.4	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Benzo(g,h,i)perylene	0.72	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Benzo(k)fluoranthene	0.50J	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Chrysene	1.1	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Fluoranthene	1.6	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.81	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Phenanthrene	0.59J	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Pyrene	1.7	mg/kg	0.62	10/25/25 19:55	
EPA 8270E	Acenaphthylene	0.61J	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Anthracene	1.1	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Benzo(a)anthracene	2.6	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Benzo(a)pyrene	2.2	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Benzo(b)fluoranthene	2.6	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Benzo(g,h,i)perylene	1.3	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Benzo(k)fluoranthene	0.90	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Chrysene	2.3	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Dibenz(a,h)anthracene	0.30J	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Fluoranthene	4.4	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Fluorene	0.39J	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Indeno(1,2,3-cd)pyrene	1.6	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Phenanthrene	3.7	mg/kg	0.63	10/23/25 15:37	
EPA 8270E	Pyrene	3.9	mg/kg	0.63	10/23/25 15:37	
EPA 8260D	Acetone	0.11J	mg/kg	0.31	10/27/25 14:05	
EPA 8260D	Ethylbenzene	0.11	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	p-Isopropyltoluene	0.024	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	Naphthalene	0.15	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	n-Propylbenzene	0.21	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	Toluene	0.070	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	1,2,4-Trimethylbenzene	0.020	mg/kg	0.016	10/27/25 14:05	
EPA 8260D	Xylene (Total)	0.024J	mg/kg	0.031	10/27/25 14:05	
EPA 8260D	o-Xylene	0.024	mg/kg	0.016	10/27/25 14:05	
SW-846	Percent Moisture	47.3	%	0.10	10/22/25 13:21	N2

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Method: EPA 8082A
Description: 8082 GCS PCB
Client: Duke Energy
Date: October 30, 2025

General Information:

2 samples were analyzed for EPA 8082A by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Method: EPA 8270E
Description: 8270E MSSV Microwave
Client: Duke Energy
Date: October 30, 2025

General Information:

2 samples were analyzed for EPA 8270E by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 969041

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 4980575)
- 3,3'-Dichlorobenzidine

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Method: EPA 8270E

Description: 8270E MSSV PAH Microwave

Client: Duke Energy

Date: October 30, 2025

General Information:

2 samples were analyzed for EPA 8270E by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Method: EPA 8260D

Description: 8260D/5035A/5030B SC Volatiles

Client: Duke Energy

Date: October 30, 2025

General Information:

2 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 969415

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 4982413)
 - Tetrachloroethene
- DUP (Lab ID: 4982415)
 - Tetrachloroethene
- LCS (Lab ID: 4982414)
 - Tetrachloroethene
- MS (Lab ID: 4982416)
 - Tetrachloroethene
- SD-1DW-2-20251020 (Lab ID: 92824929002)
 - Tetrachloroethene

QC Batch: 969735

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 4984030)
 - Tetrachloroethene
- DUP (Lab ID: 4984032)
 - Tetrachloroethene
- LCS (Lab ID: 4984031)
 - Tetrachloroethene
- MS (Lab ID: 4984033)
 - Tetrachloroethene
- SD-1DW-1-20251020 (Lab ID: 92824929001)
 - Tetrachloroethene

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Method: EPA 8260D

Description: 8260D/5035A/5030B SC Volatiles

Client: Duke Energy

Date: October 30, 2025

QC Batch: 969735

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- BLANK (Lab ID: 4984030)
 - Tetrachloroethene
 - tert-Butylbenzene
- DUP (Lab ID: 4984032)
 - Tetrachloroethene
 - tert-Butylbenzene
- SD-1DW-1-20251020 (Lab ID: 92824929001)
 - Tetrachloroethene
 - tert-Butylbenzene

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- LCS (Lab ID: 4984031)
 - Tetrachloroethene
 - tert-Butylbenzene
- MS (Lab ID: 4984033)
 - Tetrachloroethene
 - tert-Butylbenzene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 969415

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- DUP (Lab ID: 4982415)
 - 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Method: EPA 8260D

Description: 8260D/5035A/5030B SC Volatiles

Client: Duke Energy

Date: October 30, 2025

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-1-20251020 Lab ID: 92824929001 Collected: 10/20/25 10:50 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.090	0.036	1	10/23/25 00:04	10/23/25 10:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.090	0.060	1	10/23/25 00:04	10/23/25 10:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.090	0.040	1	10/23/25 00:04	10/23/25 10:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.090	0.022	1	10/23/25 00:04	10/23/25 10:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.090	0.024	1	10/23/25 00:04	10/23/25 10:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.090	0.039	1	10/23/25 00:04	10/23/25 10:57	11097-69-1	
PCB-1260 (Aroclor 1260)	0.072J	mg/kg	0.090	0.040	1	10/23/25 00:04	10/23/25 10:57	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	59	%	10-166		1	10/23/25 00:04	10/23/25 10:57	2051-24-3	
8270E MSSV Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Acenaphthene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	83-32-9	
Acenaphthylene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	208-96-8	
Aniline	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	62-53-3	
Anthracene	ND	mg/kg	0.92	0.30	1	10/24/25 13:01	10/25/25 19:29	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.92	0.31	1	10/24/25 13:01	10/25/25 19:29	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.92	0.31	1	10/24/25 13:01	10/25/25 19:29	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	207-08-9	
Benzoic Acid	ND	mg/kg	4.6	2.0	1	10/24/25 13:01	10/25/25 19:29	65-85-0	
Benzyl alcohol	ND	mg/kg	1.8	0.70	1	10/24/25 13:01	10/25/25 19:29	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.92	0.39	1	10/24/25 13:01	10/25/25 19:29	85-68-7	
4-Chloro-3-methylphenol	ND	mg/kg	1.8	0.65	1	10/24/25 13:01	10/25/25 19:29	59-50-7	
4-Chloroaniline	ND	mg/kg	1.8	0.72	1	10/24/25 13:01	10/25/25 19:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.92	0.38	1	10/24/25 13:01	10/25/25 19:29	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	111-44-4	
2-Chloronaphthalene	ND	mg/kg	0.92	0.37	1	10/24/25 13:01	10/25/25 19:29	91-58-7	
2-Chlorophenol	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.92	0.34	1	10/24/25 13:01	10/25/25 19:29	7005-72-3	
Chrysene	ND	mg/kg	0.92	0.33	1	10/24/25 13:01	10/25/25 19:29	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	53-70-3	
Dibenzofuran	ND	mg/kg	0.92	0.33	1	10/24/25 13:01	10/25/25 19:29	132-64-9	
3,3'-Dichlorobenzidine	ND	mg/kg	1.8	0.62	1	10/24/25 13:01	10/25/25 19:29	91-94-1	L2
2,4-Dichlorophenol	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	120-83-2	
Diethylphthalate	ND	mg/kg	0.92	0.34	1	10/24/25 13:01	10/25/25 19:29	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.92	0.38	1	10/24/25 13:01	10/25/25 19:29	105-67-9	
Dimethylphthalate	ND	mg/kg	0.92	0.33	1	10/24/25 13:01	10/25/25 19:29	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.92	0.31	1	10/24/25 13:01	10/25/25 19:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.86	1	10/24/25 13:01	10/25/25 19:29	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	4.6	2.8	1	10/24/25 13:01	10/25/25 19:29	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.92	0.34	1	10/24/25 13:01	10/25/25 19:29	606-20-2	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-1-20251020 Lab ID: 92824929001 Collected: 10/20/25 10:50 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Di-n-octylphthalate	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	117-81-7	
Fluoranthene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	206-44-0	
Fluorene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	0.92	0.53	1	10/24/25 13:01	10/25/25 19:29	77-47-4	
Hexachloroethane	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.92	0.36	1	10/24/25 13:01	10/25/25 19:29	193-39-5	
Isophorone	ND	mg/kg	0.92	0.41	1	10/24/25 13:01	10/25/25 19:29	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.92	0.32	1	10/24/25 13:01	10/25/25 19:29	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.92	0.37	1	10/24/25 13:01	10/25/25 19:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.92	0.38	1	10/24/25 13:01	10/25/25 19:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.92	0.37	1	10/24/25 13:01	10/25/25 19:29	15831-10-4	
2-Nitroaniline	ND	mg/kg	4.6	0.75	1	10/24/25 13:01	10/25/25 19:29	88-74-4	
3-Nitroaniline	ND	mg/kg	4.6	0.72	1	10/24/25 13:01	10/25/25 19:29	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.70	1	10/24/25 13:01	10/25/25 19:29	100-01-6	
Nitrobenzene	ND	mg/kg	0.92	0.43	1	10/24/25 13:01	10/25/25 19:29	98-95-3	
2-Nitrophenol	ND	mg/kg	0.92	0.40	1	10/24/25 13:01	10/25/25 19:29	88-75-5	
4-Nitrophenol	ND	mg/kg	4.6	1.8	1	10/24/25 13:01	10/25/25 19:29	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.92	0.31	1	10/24/25 13:01	10/25/25 19:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.92	0.35	1	10/24/25 13:01	10/25/25 19:29	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.92	0.33	1	10/24/25 13:01	10/25/25 19:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.92	0.44	1	10/24/25 13:01	10/25/25 19:29	108-60-1	
Pentachlorophenol	ND	mg/kg	1.8	0.90	1	10/24/25 13:01	10/25/25 19:29	87-86-5	
Phenanthrene	ND	mg/kg	0.92	0.30	1	10/24/25 13:01	10/25/25 19:29	85-01-8	
Phenol	ND	mg/kg	0.92	0.41	1	10/24/25 13:01	10/25/25 19:29	108-95-2	
Pyrene	ND	mg/kg	0.92	0.37	1	10/24/25 13:01	10/25/25 19:29	129-00-0	
Pyridine	ND	mg/kg	0.92	0.29	1	10/24/25 13:01	10/25/25 19:29	110-86-1	
2,4,5-Trichlorophenol	ND	mg/kg	0.92	0.42	1	10/24/25 13:01	10/25/25 19:29	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.92	0.38	1	10/24/25 13:01	10/25/25 19:29	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%	10-130		1	10/24/25 13:01	10/25/25 19:29	4165-60-0	
2-Fluorobiphenyl (S)	33	%	10-130		1	10/24/25 13:01	10/25/25 19:29	321-60-8	
Terphenyl-d14 (S)	42	%	10-130		1	10/24/25 13:01	10/25/25 19:29	1718-51-0	
Phenol-d6 (S)	41	%	10-130		1	10/24/25 13:01	10/25/25 19:29	13127-88-3	
2-Fluorophenol (S)	41	%	10-130		1	10/24/25 13:01	10/25/25 19:29	367-12-4	
2,4,6-Tribromophenol (S)	58	%	10-130		1	10/24/25 13:01	10/25/25 19:29	118-79-6	

8270E MSSV PAH Microwave

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Charlotte

Acenaphthene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	83-32-9	
Acenaphthylene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	208-96-8	
Anthracene	ND	mg/kg	0.92	0.30	1	10/23/25 09:04	10/23/25 15:11	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.92	0.31	1	10/23/25 09:04	10/23/25 15:11	56-55-3	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Sample: SD-1DW-1-20251020 Lab ID: 92824929001 Collected: 10/20/25 10:50 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Benzo(a)pyrene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.92	0.31	1	10/23/25 09:04	10/23/25 15:11	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.92	0.36	1	10/23/25 09:04	10/23/25 15:11	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	207-08-9	
Chrysene	ND	mg/kg	0.92	0.33	1	10/23/25 09:04	10/23/25 15:11	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.92	0.35	1	10/23/25 09:04	10/23/25 15:11	53-70-3	
Fluoranthene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	206-44-0	
Fluorene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.92	0.36	1	10/23/25 09:04	10/23/25 15:11	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.92	0.32	1	10/23/25 09:04	10/23/25 15:11	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.92	0.37	1	10/23/25 09:04	10/23/25 15:11	91-57-6	
Naphthalene	ND	mg/kg	0.92	0.31	1	10/23/25 09:04	10/23/25 15:11	91-20-3	
Phenanthrene	ND	mg/kg	0.92	0.30	1	10/23/25 09:04	10/23/25 15:11	85-01-8	
Pyrene	ND	mg/kg	0.92	0.37	1	10/23/25 09:04	10/23/25 15:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	49	%	10-130		1	10/23/25 09:04	10/23/25 15:11	4165-60-0	
2-Fluorobiphenyl (S)	36	%	10-130		1	10/23/25 09:04	10/23/25 15:11	321-60-8	
Terphenyl-d14 (S)	38	%	10-130		1	10/23/25 09:04	10/23/25 15:11	1718-51-0	
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	0.25J	mg/kg	0.51	0.17	1	10/28/25 12:34	10/29/25 02:05	67-64-1	
Benzene	ND	mg/kg	0.026	0.010	1	10/28/25 12:34	10/29/25 02:05	71-43-2	
Bromobenzene	ND	mg/kg	0.026	0.0084	1	10/28/25 12:34	10/29/25 02:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.026	0.0076	1	10/28/25 12:34	10/29/25 02:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.026	0.0099	1	10/28/25 12:34	10/29/25 02:05	75-27-4	
Bromoform	ND	mg/kg	0.026	0.0091	1	10/28/25 12:34	10/29/25 02:05	75-25-2	
Bromomethane	ND	mg/kg	0.10	0.080	1	10/28/25 12:34	10/29/25 02:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.51	0.12	1	10/28/25 12:34	10/29/25 02:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.026	0.016	1	10/28/25 12:34	10/29/25 02:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.026	0.011	1	10/28/25 12:34	10/29/25 02:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.026	0.0092	1	10/28/25 12:34	10/29/25 02:05	98-06-6	v2
Carbon tetrachloride	ND	mg/kg	0.026	0.0096	1	10/28/25 12:34	10/29/25 02:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.026	0.015	1	10/28/25 12:34	10/29/25 02:05	108-90-7	
Chloroethane	ND	mg/kg	0.051	0.020	1	10/28/25 12:34	10/29/25 02:05	75-00-3	
Chloroform	ND	mg/kg	0.026	0.022	1	10/28/25 12:34	10/29/25 02:05	67-66-3	
Chloromethane	ND	mg/kg	0.051	0.022	1	10/28/25 12:34	10/29/25 02:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.026	0.0091	1	10/28/25 12:34	10/29/25 02:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.026	0.014	1	10/28/25 12:34	10/29/25 02:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.026	0.010	1	10/28/25 12:34	10/29/25 02:05	96-12-8	
Dibromochloromethane	ND	mg/kg	0.026	0.014	1	10/28/25 12:34	10/29/25 02:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.026	0.011	1	10/28/25 12:34	10/29/25 02:05	106-93-4	
Dibromomethane	ND	mg/kg	0.026	0.0055	1	10/28/25 12:34	10/29/25 02:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.026	0.0093	1	10/28/25 12:34	10/29/25 02:05	95-50-1	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-1-20251020 Lab ID: 92824929001 Collected: 10/20/25 10:50 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
1,3-Dichlorobenzene	ND	mg/kg	0.026	0.0080	1	10/28/25 12:34	10/29/25 02:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.026	0.0067	1	10/28/25 12:34	10/29/25 02:05	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.051	0.026	1	10/28/25 12:34	10/29/25 02:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.026	0.011	1	10/28/25 12:34	10/29/25 02:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.026	0.017	1	10/28/25 12:34	10/29/25 02:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.026	0.011	1	10/28/25 12:34	10/29/25 02:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.026	0.0088	1	10/28/25 12:34	10/29/25 02:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.026	0.022	1	10/28/25 12:34	10/29/25 02:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.026	0.0077	1	10/28/25 12:34	10/29/25 02:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.026	0.0080	1	10/28/25 12:34	10/29/25 02:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.026	0.020	1	10/28/25 12:34	10/29/25 02:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.026	0.012	1	10/28/25 12:34	10/29/25 02:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.026	0.0070	1	10/28/25 12:34	10/29/25 02:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.026	0.0089	1	10/28/25 12:34	10/29/25 02:05	10061-02-6	
Diisopropyl ether	ND	mg/kg	0.026	0.0069	1	10/28/25 12:34	10/29/25 02:05	108-20-3	
Ethylbenzene	ND	mg/kg	0.026	0.012	1	10/28/25 12:34	10/29/25 02:05	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.051	0.042	1	10/28/25 12:34	10/29/25 02:05	87-68-3	
2-Hexanone	ND	mg/kg	0.26	0.025	1	10/28/25 12:34	10/29/25 02:05	591-78-6	
Isopropylbenzene (Cumene)	ND	mg/kg	0.026	0.0087	1	10/28/25 12:34	10/29/25 02:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.026	0.013	1	10/28/25 12:34	10/29/25 02:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.10	0.071	1	10/28/25 12:34	10/29/25 02:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.26	0.025	1	10/28/25 12:34	10/29/25 02:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.026	0.0096	1	10/28/25 12:34	10/29/25 02:05	1634-04-4	
Naphthalene	0.050	mg/kg	0.026	0.014	1	10/28/25 12:34	10/29/25 02:05	91-20-3	
n-Propylbenzene	ND	mg/kg	0.026	0.0092	1	10/28/25 12:34	10/29/25 02:05	103-65-1	
Styrene	ND	mg/kg	0.026	0.0068	1	10/28/25 12:34	10/29/25 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.026	0.0099	1	10/28/25 12:34	10/29/25 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.026	0.0068	1	10/28/25 12:34	10/29/25 02:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.026	0.0081	1	10/28/25 12:34	10/29/25 02:05	127-18-4	IK,v2
Toluene	0.045	mg/kg	0.026	0.018	1	10/28/25 12:34	10/29/25 02:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.026	0.021	1	10/28/25 12:34	10/29/25 02:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.026	0.022	1	10/28/25 12:34	10/29/25 02:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.026	0.013	1	10/28/25 12:34	10/29/25 02:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.026	0.0085	1	10/28/25 12:34	10/29/25 02:05	79-00-5	
Trichloroethene	ND	mg/kg	0.026	0.021	1	10/28/25 12:34	10/29/25 02:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.026	0.014	1	10/28/25 12:34	10/29/25 02:05	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.026	0.013	1	10/28/25 12:34	10/29/25 02:05	96-18-4	
1,2,4-Trimethylbenzene	0.017J	mg/kg	0.026	0.015	1	10/28/25 12:34	10/29/25 02:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.026	0.0086	1	10/28/25 12:34	10/29/25 02:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.26	0.053	1	10/28/25 12:34	10/29/25 02:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.051	0.013	1	10/28/25 12:34	10/29/25 02:05	75-01-4	
Xylene (Total)	0.020J	mg/kg	0.051	0.015	1	10/28/25 12:34	10/29/25 02:05	1330-20-7	
m&p-Xylene	ND	mg/kg	0.051	0.018	1	10/28/25 12:34	10/29/25 02:05	179601-23-1	
o-Xylene	0.020J	mg/kg	0.026	0.011	1	10/28/25 12:34	10/29/25 02:05	95-47-6	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-1-20251020 Lab ID: 92824929001 Collected: 10/20/25 10:50 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Surrogates									
Toluene-d8 (S)	97	%	70-130		1	10/28/25 12:34	10/29/25 02:05	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1	10/28/25 12:34	10/29/25 02:05	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-135		1	10/28/25 12:34	10/29/25 02:05	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	63.6	%	0.10	0.10	1		10/22/25 13:21		N2

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-2-20251020 Lab ID: 92824929002 Collected: 10/20/25 12:15 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.063	0.025	1	10/23/25 00:04	10/23/25 21:46	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.063	0.042	1	10/23/25 00:04	10/23/25 21:46	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.063	0.028	1	10/23/25 00:04	10/23/25 21:46	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.063	0.015	1	10/23/25 00:04	10/23/25 21:46	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.063	0.017	1	10/23/25 00:04	10/23/25 21:46	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.063	0.028	1	10/23/25 00:04	10/23/25 21:46	11097-69-1	
PCB-1260 (Aroclor 1260)	0.12	mg/kg	0.063	0.028	1	10/23/25 00:04	10/23/25 21:46	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	45	%	10-166		1	10/23/25 00:04	10/23/25 21:46	2051-24-3	
8270E MSSV Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Acenaphthene	ND	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	83-32-9	
Acenaphthylene	ND	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	208-96-8	
Aniline	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	62-53-3	
Anthracene	0.23J	mg/kg	0.62	0.20	1	10/24/25 13:01	10/25/25 19:55	120-12-7	
Benzo(a)anthracene	1.1	mg/kg	0.62	0.21	1	10/24/25 13:01	10/25/25 19:55	56-55-3	
Benzo(b)fluoranthene	1.4	mg/kg	0.62	0.21	1	10/24/25 13:01	10/25/25 19:55	205-99-2	
Benzo(g,h,i)perylene	0.72	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	191-24-2	
Benzo(k)fluoranthene	0.50J	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	207-08-9	
Benzoic Acid	ND	mg/kg	3.1	1.3	1	10/24/25 13:01	10/25/25 19:55	65-85-0	
Benzyl alcohol	ND	mg/kg	1.2	0.47	1	10/24/25 13:01	10/25/25 19:55	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.62	0.26	1	10/24/25 13:01	10/25/25 19:55	85-68-7	
4-Chloro-3-methylphenol	ND	mg/kg	1.2	0.44	1	10/24/25 13:01	10/25/25 19:55	59-50-7	
4-Chloroaniline	ND	mg/kg	1.2	0.49	1	10/24/25 13:01	10/25/25 19:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.62	0.26	1	10/24/25 13:01	10/25/25 19:55	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	111-44-4	
2-Chloronaphthalene	ND	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	91-58-7	
2-Chlorophenol	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	7005-72-3	
Chrysene	1.1	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	53-70-3	
Dibenzofuran	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	132-64-9	
3,3'-Dichlorobenzidine	ND	mg/kg	1.2	0.42	1	10/24/25 13:01	10/25/25 19:55	91-94-1	L2
2,4-Dichlorophenol	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	120-83-2	
Diethylphthalate	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.62	0.26	1	10/24/25 13:01	10/25/25 19:55	105-67-9	
Dimethylphthalate	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.62	0.21	1	10/24/25 13:01	10/25/25 19:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.2	0.58	1	10/24/25 13:01	10/25/25 19:55	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	3.1	1.9	1	10/24/25 13:01	10/25/25 19:55	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	606-20-2	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-2-20251020 Lab ID: 92824929002 Collected: 10/20/25 12:15 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Di-n-octylphthalate	ND	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	117-81-7	
Fluoranthene	1.6	mg/kg	0.62	0.21	1	10/24/25 13:01	10/25/25 19:55	206-44-0	
Fluorene	ND	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	0.62	0.36	1	10/24/25 13:01	10/25/25 19:55	77-47-4	
Hexachloroethane	ND	mg/kg	0.62	0.24	1	10/24/25 13:01	10/25/25 19:55	67-72-1	
Indeno(1,2,3-cd)pyrene	0.81	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	193-39-5	
Isophorone	ND	mg/kg	0.62	0.28	1	10/24/25 13:01	10/25/25 19:55	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.62	0.26	1	10/24/25 13:01	10/25/25 19:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	15831-10-4	
2-Nitroaniline	ND	mg/kg	3.1	0.51	1	10/24/25 13:01	10/25/25 19:55	88-74-4	
3-Nitroaniline	ND	mg/kg	3.1	0.49	1	10/24/25 13:01	10/25/25 19:55	99-09-2	
4-Nitroaniline	ND	mg/kg	1.2	0.47	1	10/24/25 13:01	10/25/25 19:55	100-01-6	
Nitrobenzene	ND	mg/kg	0.62	0.29	1	10/24/25 13:01	10/25/25 19:55	98-95-3	
2-Nitrophenol	ND	mg/kg	0.62	0.27	1	10/24/25 13:01	10/25/25 19:55	88-75-5	
4-Nitrophenol	ND	mg/kg	3.1	1.2	1	10/24/25 13:01	10/25/25 19:55	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.62	0.21	1	10/24/25 13:01	10/25/25 19:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.62	0.23	1	10/24/25 13:01	10/25/25 19:55	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.62	0.22	1	10/24/25 13:01	10/25/25 19:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.62	0.30	1	10/24/25 13:01	10/25/25 19:55	108-60-1	
Pentachlorophenol	ND	mg/kg	1.2	0.61	1	10/24/25 13:01	10/25/25 19:55	87-86-5	
Phenanthrene	0.59J	mg/kg	0.62	0.20	1	10/24/25 13:01	10/25/25 19:55	85-01-8	
Phenol	ND	mg/kg	0.62	0.28	1	10/24/25 13:01	10/25/25 19:55	108-95-2	
Pyrene	1.7	mg/kg	0.62	0.25	1	10/24/25 13:01	10/25/25 19:55	129-00-0	
Pyridine	ND	mg/kg	0.62	0.20	1	10/24/25 13:01	10/25/25 19:55	110-86-1	
2,4,5-Trichlorophenol	ND	mg/kg	0.62	0.29	1	10/24/25 13:01	10/25/25 19:55	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.62	0.26	1	10/24/25 13:01	10/25/25 19:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	48	%	10-130		1	10/24/25 13:01	10/25/25 19:55	4165-60-0	
2-Fluorobiphenyl (S)	37	%	10-130		1	10/24/25 13:01	10/25/25 19:55	321-60-8	
Terphenyl-d14 (S)	54	%	10-130		1	10/24/25 13:01	10/25/25 19:55	1718-51-0	
Phenol-d6 (S)	49	%	10-130		1	10/24/25 13:01	10/25/25 19:55	13127-88-3	
2-Fluorophenol (S)	49	%	10-130		1	10/24/25 13:01	10/25/25 19:55	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-130		1	10/24/25 13:01	10/25/25 19:55	118-79-6	

8270E MSSV PAH Microwave

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Charlotte

Acenaphthene	ND	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	83-32-9	
Acenaphthylene	0.61J	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	208-96-8	
Anthracene	1.1	mg/kg	0.63	0.21	1	10/23/25 09:04	10/23/25 15:37	120-12-7	
Benzo(a)anthracene	2.6	mg/kg	0.63	0.21	1	10/23/25 09:04	10/23/25 15:37	56-55-3	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Sample: SD-1DW-2-20251020 Lab ID: 92824929002 Collected: 10/20/25 12:15 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH Microwave									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Charlotte									
Benzo(a)pyrene	2.2	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	50-32-8	
Benzo(b)fluoranthene	2.6	mg/kg	0.63	0.21	1	10/23/25 09:04	10/23/25 15:37	205-99-2	
Benzo(g,h,i)perylene	1.3	mg/kg	0.63	0.24	1	10/23/25 09:04	10/23/25 15:37	191-24-2	
Benzo(k)fluoranthene	0.90	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	207-08-9	
Chrysene	2.3	mg/kg	0.63	0.23	1	10/23/25 09:04	10/23/25 15:37	218-01-9	
Dibenz(a,h)anthracene	0.30J	mg/kg	0.63	0.24	1	10/23/25 09:04	10/23/25 15:37	53-70-3	
Fluoranthene	4.4	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	206-44-0	
Fluorene	0.39J	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	86-73-7	
Indeno(1,2,3-cd)pyrene	1.6	mg/kg	0.63	0.25	1	10/23/25 09:04	10/23/25 15:37	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.63	0.22	1	10/23/25 09:04	10/23/25 15:37	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.63	0.25	1	10/23/25 09:04	10/23/25 15:37	91-57-6	
Naphthalene	ND	mg/kg	0.63	0.21	1	10/23/25 09:04	10/23/25 15:37	91-20-3	
Phenanthrene	3.7	mg/kg	0.63	0.21	1	10/23/25 09:04	10/23/25 15:37	85-01-8	
Pyrene	3.9	mg/kg	0.63	0.26	1	10/23/25 09:04	10/23/25 15:37	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	10-130		1	10/23/25 09:04	10/23/25 15:37	4165-60-0	
2-Fluorobiphenyl (S)	48	%	10-130		1	10/23/25 09:04	10/23/25 15:37	321-60-8	
Terphenyl-d14 (S)	51	%	10-130		1	10/23/25 09:04	10/23/25 15:37	1718-51-0	
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	0.11J	mg/kg	0.31	0.10	1	10/27/25 09:54	10/27/25 14:05	67-64-1	
Benzene	ND	mg/kg	0.016	0.0062	1	10/27/25 09:54	10/27/25 14:05	71-43-2	
Bromobenzene	ND	mg/kg	0.016	0.0051	1	10/27/25 09:54	10/27/25 14:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.016	0.0046	1	10/27/25 09:54	10/27/25 14:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.016	0.0061	1	10/27/25 09:54	10/27/25 14:05	75-27-4	
Bromoform	ND	mg/kg	0.016	0.0055	1	10/27/25 09:54	10/27/25 14:05	75-25-2	
Bromomethane	ND	mg/kg	0.063	0.049	1	10/27/25 09:54	10/27/25 14:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.31	0.075	1	10/27/25 09:54	10/27/25 14:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.016	0.0099	1	10/27/25 09:54	10/27/25 14:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.016	0.0069	1	10/27/25 09:54	10/27/25 14:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.016	0.0056	1	10/27/25 09:54	10/27/25 14:05	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.016	0.0059	1	10/27/25 09:54	10/27/25 14:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.016	0.0090	1	10/27/25 09:54	10/27/25 14:05	108-90-7	
Chloroethane	ND	mg/kg	0.031	0.012	1	10/27/25 09:54	10/27/25 14:05	75-00-3	
Chloroform	ND	mg/kg	0.016	0.013	1	10/27/25 09:54	10/27/25 14:05	67-66-3	
Chloromethane	ND	mg/kg	0.031	0.013	1	10/27/25 09:54	10/27/25 14:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.016	0.0056	1	10/27/25 09:54	10/27/25 14:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.016	0.0087	1	10/27/25 09:54	10/27/25 14:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.016	0.0061	1	10/27/25 09:54	10/27/25 14:05	96-12-8	
Dibromochloromethane	ND	mg/kg	0.016	0.0088	1	10/27/25 09:54	10/27/25 14:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.016	0.0069	1	10/27/25 09:54	10/27/25 14:05	106-93-4	
Dibromomethane	ND	mg/kg	0.016	0.0034	1	10/27/25 09:54	10/27/25 14:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.016	0.0057	1	10/27/25 09:54	10/27/25 14:05	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Sample: SD-1DW-2-20251020 Lab ID: 92824929002 Collected: 10/20/25 12:15 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
1,3-Dichlorobenzene	ND	mg/kg	0.016	0.0049	1	10/27/25 09:54	10/27/25 14:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.016	0.0041	1	10/27/25 09:54	10/27/25 14:05	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.031	0.016	1	10/27/25 09:54	10/27/25 14:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.016	0.0065	1	10/27/25 09:54	10/27/25 14:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.016	0.010	1	10/27/25 09:54	10/27/25 14:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.016	0.0065	1	10/27/25 09:54	10/27/25 14:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.016	0.0054	1	10/27/25 09:54	10/27/25 14:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.016	0.013	1	10/27/25 09:54	10/27/25 14:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.016	0.0047	1	10/27/25 09:54	10/27/25 14:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.016	0.0049	1	10/27/25 09:54	10/27/25 14:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.016	0.012	1	10/27/25 09:54	10/27/25 14:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.016	0.0075	1	10/27/25 09:54	10/27/25 14:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.016	0.0043	1	10/27/25 09:54	10/27/25 14:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.016	0.0054	1	10/27/25 09:54	10/27/25 14:05	10061-02-6	
Diisopropyl ether	ND	mg/kg	0.016	0.0042	1	10/27/25 09:54	10/27/25 14:05	108-20-3	
Ethylbenzene	0.11	mg/kg	0.016	0.0073	1	10/27/25 09:54	10/27/25 14:05	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.031	0.026	1	10/27/25 09:54	10/27/25 14:05	87-68-3	
2-Hexanone	ND	mg/kg	0.16	0.015	1	10/27/25 09:54	10/27/25 14:05	591-78-6	
Isopropylbenzene (Cumene)	ND	mg/kg	0.016	0.0053	1	10/27/25 09:54	10/27/25 14:05	98-82-8	
p-Isopropyltoluene	0.024	mg/kg	0.016	0.0077	1	10/27/25 09:54	10/27/25 14:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.063	0.043	1	10/27/25 09:54	10/27/25 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.16	0.015	1	10/27/25 09:54	10/27/25 14:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.016	0.0059	1	10/27/25 09:54	10/27/25 14:05	1634-04-4	
Naphthalene	0.15	mg/kg	0.016	0.0083	1	10/27/25 09:54	10/27/25 14:05	91-20-3	
n-Propylbenzene	0.21	mg/kg	0.016	0.0056	1	10/27/25 09:54	10/27/25 14:05	103-65-1	
Styrene	ND	mg/kg	0.016	0.0041	1	10/27/25 09:54	10/27/25 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.016	0.0060	1	10/27/25 09:54	10/27/25 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.016	0.0041	1	10/27/25 09:54	10/27/25 14:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.016	0.0050	1	10/27/25 09:54	10/27/25 14:05	127-18-4	IK
Toluene	0.070	mg/kg	0.016	0.011	1	10/27/25 09:54	10/27/25 14:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.016	0.013	1	10/27/25 09:54	10/27/25 14:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.016	0.013	1	10/27/25 09:54	10/27/25 14:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.016	0.0082	1	10/27/25 09:54	10/27/25 14:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.016	0.0052	1	10/27/25 09:54	10/27/25 14:05	79-00-5	
Trichloroethene	ND	mg/kg	0.016	0.013	1	10/27/25 09:54	10/27/25 14:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.016	0.0086	1	10/27/25 09:54	10/27/25 14:05	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.016	0.0079	1	10/27/25 09:54	10/27/25 14:05	96-18-4	
1,2,4-Trimethylbenzene	0.020	mg/kg	0.016	0.0093	1	10/27/25 09:54	10/27/25 14:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.016	0.0053	1	10/27/25 09:54	10/27/25 14:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.16	0.032	1	10/27/25 09:54	10/27/25 14:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.031	0.0080	1	10/27/25 09:54	10/27/25 14:05	75-01-4	
Xylene (Total)	0.024J	mg/kg	0.031	0.0089	1	10/27/25 09:54	10/27/25 14:05	1330-20-7	
m&p-Xylene	ND	mg/kg	0.031	0.011	1	10/27/25 09:54	10/27/25 14:05	179601-23-1	
o-Xylene	0.024	mg/kg	0.016	0.0069	1	10/27/25 09:54	10/27/25 14:05	95-47-6	

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ANALYTICAL RESULTS

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

Sample: SD-1DW-2-20251020 Lab ID: 92824929002 Collected: 10/20/25 12:15 Received: 10/21/25 14:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	10/27/25 09:54	10/27/25 14:05	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1	10/27/25 09:54	10/27/25 14:05	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-135		1	10/27/25 09:54	10/27/25 14:05	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	47.3	%	0.10	0.10	1		10/22/25 13:21		N2

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

QC Batch:	969415	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	8260D 5035A 5030B SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929002

METHOD BLANK: 4982413 Matrix: Solid

Associated Lab Samples: 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	10/27/25 09:41	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0026	10/27/25 09:41	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0013	10/27/25 09:41	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0017	10/27/25 09:41	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0021	10/27/25 09:41	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0021	10/27/25 09:41	
1,1-Dichloropropene	mg/kg	ND	0.0050	0.0024	10/27/25 09:41	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	0.0040	10/27/25 09:41	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	0.0025	10/27/25 09:41	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0042	10/27/25 09:41	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	0.0030	10/27/25 09:41	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0019	10/27/25 09:41	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	0.0022	10/27/25 09:41	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	0.0018	10/27/25 09:41	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0033	10/27/25 09:41	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	10/27/25 09:41	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	0.0017	10/27/25 09:41	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	0.0016	10/27/25 09:41	
1,3-Dichloropropane	mg/kg	ND	0.0050	0.0016	10/27/25 09:41	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	0.0013	10/27/25 09:41	
2,2-Dichloropropane	mg/kg	ND	0.0050	0.0038	10/27/25 09:41	
2-Butanone (MEK)	mg/kg	ND	0.10	0.024	10/27/25 09:41	
2-Chlorotoluene	mg/kg	ND	0.0050	0.0018	10/27/25 09:41	
2-Hexanone	mg/kg	ND	0.050	0.0048	10/27/25 09:41	
4-Chlorotoluene	mg/kg	ND	0.0050	0.0028	10/27/25 09:41	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.050	0.0048	10/27/25 09:41	
Acetone	mg/kg	ND	0.10	0.032	10/27/25 09:41	
Benzene	mg/kg	ND	0.0050	0.0020	10/27/25 09:41	
Bromobenzene	mg/kg	ND	0.0050	0.0016	10/27/25 09:41	
Bromochloromethane	mg/kg	ND	0.0050	0.0015	10/27/25 09:41	
Bromodichloromethane	mg/kg	ND	0.0050	0.0019	10/27/25 09:41	
Bromoform	mg/kg	ND	0.0050	0.0018	10/27/25 09:41	
Bromomethane	mg/kg	ND	0.020	0.016	10/27/25 09:41	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0019	10/27/25 09:41	
Chlorobenzene	mg/kg	ND	0.0050	0.0029	10/27/25 09:41	
Chloroethane	mg/kg	ND	0.010	0.0039	10/27/25 09:41	
Chloroform	mg/kg	ND	0.0050	0.0042	10/27/25 09:41	
Chloromethane	mg/kg	ND	0.010	0.0042	10/27/25 09:41	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0017	10/27/25 09:41	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0014	10/27/25 09:41	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

METHOD BLANK: 4982413

Matrix: Solid

Associated Lab Samples: 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	ND	0.0050	0.0028	10/27/25 09:41	
Dibromomethane	mg/kg	ND	0.0050	0.0011	10/27/25 09:41	
Dichlorodifluoromethane	mg/kg	ND	0.010	0.0051	10/27/25 09:41	
Diisopropyl ether	mg/kg	ND	0.0050	0.0014	10/27/25 09:41	
Ethylbenzene	mg/kg	ND	0.0050	0.0023	10/27/25 09:41	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	0.0082	10/27/25 09:41	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	0.0017	10/27/25 09:41	
m&p-Xylene	mg/kg	ND	0.010	0.0034	10/27/25 09:41	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0019	10/27/25 09:41	
Methylene Chloride	mg/kg	ND	0.020	0.014	10/27/25 09:41	
n-Butylbenzene	mg/kg	ND	0.0050	0.0032	10/27/25 09:41	
n-Propylbenzene	mg/kg	ND	0.0050	0.0018	10/27/25 09:41	
Naphthalene	mg/kg	ND	0.0050	0.0026	10/27/25 09:41	
o-Xylene	mg/kg	ND	0.0050	0.0022	10/27/25 09:41	
p-Isopropyltoluene	mg/kg	ND	0.0050	0.0025	10/27/25 09:41	
sec-Butylbenzene	mg/kg	ND	0.0050	0.0022	10/27/25 09:41	
Styrene	mg/kg	ND	0.0050	0.0013	10/27/25 09:41	
tert-Butylbenzene	mg/kg	ND	0.0050	0.0018	10/27/25 09:41	
Tetrachloroethene	mg/kg	ND	0.0050	0.0016	10/27/25 09:41	IK
Toluene	mg/kg	ND	0.0050	0.0034	10/27/25 09:41	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0042	10/27/25 09:41	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0017	10/27/25 09:41	
Trichloroethene	mg/kg	ND	0.0050	0.0040	10/27/25 09:41	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0028	10/27/25 09:41	
Vinyl acetate	mg/kg	ND	0.050	0.010	10/27/25 09:41	
Vinyl chloride	mg/kg	ND	0.010	0.0025	10/27/25 09:41	
Xylene (Total)	mg/kg	ND	0.010	0.0028	10/27/25 09:41	
1,2-Dichloroethane-d4 (S)	%	106	70-135		10/27/25 09:41	
4-Bromofluorobenzene (S)	%	96	70-130		10/27/25 09:41	
Toluene-d8 (S)	%	100	70-130		10/27/25 09:41	

LABORATORY CONTROL SAMPLE: 4982414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.5	0.52	104	70-130	
1,1,1-Trichloroethane	mg/kg	0.5	0.47	95	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	0.5	0.51	101	70-130	
1,1,2-Trichloroethane	mg/kg	0.5	0.49	99	70-130	
1,1-Dichloroethane	mg/kg	0.5	0.47	95	70-130	
1,1-Dichloroethene	mg/kg	0.5	0.50	101	67-139	
1,1-Dichloropropene	mg/kg	0.5	0.49	97	68-132	
1,2,3-Trichlorobenzene	mg/kg	0.5	0.50	99	68-130	
1,2,3-Trichloropropane	mg/kg	0.5	0.51	102	70-130	
1,2,4-Trichlorobenzene	mg/kg	0.5	0.51	101	67-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4982414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	0.5	0.51	102	70-130	
1,2-Dibromo-3-chloropropane	mg/kg	0.5	0.48	95	68-130	
1,2-Dibromoethane (EDB)	mg/kg	0.5	0.51	103	70-130	
1,2-Dichlorobenzene	mg/kg	0.5	0.48	96	70-130	
1,2-Dichloroethane	mg/kg	0.5	0.47	94	68-130	
1,2-Dichloropropane	mg/kg	0.5	0.49	99	70-130	
1,3,5-Trimethylbenzene	mg/kg	0.5	0.51	103	70-130	
1,3-Dichlorobenzene	mg/kg	0.5	0.46	92	70-130	
1,3-Dichloropropane	mg/kg	0.5	0.50	99	70-130	
1,4-Dichlorobenzene	mg/kg	0.5	0.45	91	70-130	
2,2-Dichloropropane	mg/kg	0.5	0.51	102	49-137	
2-Butanone (MEK)	mg/kg	1	0.96	96	59-136	
2-Chlorotoluene	mg/kg	0.5	0.47	94	70-130	
2-Hexanone	mg/kg	1	1.0	103	63-143	
4-Chlorotoluene	mg/kg	0.5	0.49	99	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.0	101	67-134	
Acetone	mg/kg	1	0.94	94	59-132	
Benzene	mg/kg	0.5	0.48	96	70-130	
Bromobenzene	mg/kg	0.5	0.46	93	70-130	
Bromochloromethane	mg/kg	0.5	0.52	104	70-130	
Bromodichloromethane	mg/kg	0.5	0.50	101	70-130	
Bromoform	mg/kg	0.5	0.51	102	70-130	
Bromomethane	mg/kg	0.5	0.51	101	36-180	
Carbon tetrachloride	mg/kg	0.5	0.49	99	69-133	
Chlorobenzene	mg/kg	0.5	0.49	97	70-130	
Chloroethane	mg/kg	0.5	0.54	108	61-147	
Chloroform	mg/kg	0.5	0.46	91	69-130	
Chloromethane	mg/kg	0.5	0.51	103	66-154	
cis-1,2-Dichloroethene	mg/kg	0.5	0.48	97	69-130	
cis-1,3-Dichloropropene	mg/kg	0.5	0.53	105	70-130	
Dibromochloromethane	mg/kg	0.5	0.53	106	70-130	
Dibromomethane	mg/kg	0.5	0.47	94	70-130	
Dichlorodifluoromethane	mg/kg	0.5	0.49	99	40-194	
Diisopropyl ether	mg/kg	0.5	0.48	95	64-130	
Ethylbenzene	mg/kg	0.5	0.48	97	69-130	
Hexachloro-1,3-butadiene	mg/kg	0.5	0.51	102	59-134	
Isopropylbenzene (Cumene)	mg/kg	0.5	0.56	113	70-130	
m&p-Xylene	mg/kg	1	1.0	101	70-130	
Methyl-tert-butyl ether	mg/kg	0.5	0.46	93	66-130	
Methylene Chloride	mg/kg	0.5	0.47	94	67-130	
n-Butylbenzene	mg/kg	0.5	0.50	100	66-130	
n-Propylbenzene	mg/kg	0.5	0.49	97	70-130	
Naphthalene	mg/kg	0.5	0.51	102	70-130	
o-Xylene	mg/kg	0.5	0.53	106	70-130	
p-Isopropyltoluene	mg/kg	0.5	0.52	104	69-130	
sec-Butylbenzene	mg/kg	0.5	0.49	98	70-130	
Styrene	mg/kg	0.5	0.53	106	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4982414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	mg/kg	0.5	0.49	99	61-130	
Tetrachloroethene	mg/kg	0.5	0.46	92	70-130	IK
Toluene	mg/kg	0.5	0.46	92	70-130	
trans-1,2-Dichloroethene	mg/kg	0.5	0.50	99	68-133	
trans-1,3-Dichloropropene	mg/kg	0.5	0.53	106	70-130	
Trichloroethene	mg/kg	0.5	0.51	101	70-130	
Trichlorofluoromethane	mg/kg	0.5	0.46	92	59-147	
Vinyl acetate	mg/kg	1	1.0	100	67-136	
Vinyl chloride	mg/kg	0.5	0.49	98	59-148	
Xylene (Total)	mg/kg	1.5	1.5	103	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-135	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4982416

Parameter	Units	92824087007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.68	0.82	122	10-174	
1,1,1-Trichloroethane	mg/kg	ND	0.68	0.85	126	10-178	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.68	0.79	118	10-164	
1,1,2-Trichloroethane	mg/kg	ND	0.68	0.83	124	10-167	
1,1-Dichloroethane	mg/kg	ND	0.68	0.76	112	10-175	
1,1-Dichloroethene	mg/kg	ND	0.68	0.49	73	10-189	
1,1-Dichloropropene	mg/kg	ND	0.68	0.89	132	10-179	
1,2,3-Trichlorobenzene	mg/kg	ND	0.68	0.80	119	10-154	
1,2,3-Trichloropropane	mg/kg	ND	0.68	0.86	128	10-157	
1,2,4-Trichlorobenzene	mg/kg	ND	0.68	0.85	127	10-156	
1,2,4-Trimethylbenzene	mg/kg	ND	0.68	0.89	133	10-169	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.68	0.77	115	10-148	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.68	0.81	121	10-166	
1,2-Dichlorobenzene	mg/kg	ND	0.68	0.80	119	10-166	
1,2-Dichloroethane	mg/kg	ND	0.68	0.79	118	10-171	
1,2-Dichloropropane	mg/kg	ND	0.68	0.86	128	10-175	
1,3,5-Trimethylbenzene	mg/kg	ND	0.68	0.92	136	10-171	
1,3-Dichlorobenzene	mg/kg	ND	0.68	0.81	120	10-166	
1,3-Dichloropropane	mg/kg	ND	0.68	0.79	118	10-167	
1,4-Dichlorobenzene	mg/kg	ND	0.68	0.78	116	10-163	
2,2-Dichloropropane	mg/kg	ND	0.68	0.84	125	10-158	
2-Butanone (MEK)	mg/kg	ND	1.3	1.0	75	10-156	
2-Chlorotoluene	mg/kg	ND	0.68	0.81	120	10-167	
2-Hexanone	mg/kg	ND	1.3	1.5	112	10-159	
4-Chlorotoluene	mg/kg	ND	0.68	0.84	125	10-167	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.3	1.7	124	10-162	
Acetone	mg/kg	ND	1.3	0.84	62	10-131	
Benzene	mg/kg	ND	0.68	0.84	125	10-175	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

MATRIX SPIKE SAMPLE:		4982416					
Parameter	Units	92824087007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	mg/kg	ND	0.68	0.79	118	10-166	
Bromochloromethane	mg/kg	ND	0.68	0.91	135	10-173	
Bromodichloromethane	mg/kg	ND	0.68	0.83	124	10-169	
Bromoform	mg/kg	ND	0.68	0.80	119	10-165	
Bromomethane	mg/kg	ND	0.68	0.60	90	10-130	
Carbon tetrachloride	mg/kg	ND	0.68	0.83	123	10-182	
Chlorobenzene	mg/kg	ND	0.68	0.81	120	10-171	
Chloroethane	mg/kg	ND	0.68	0.35	53	10-130	
Chloroform	mg/kg	ND	0.68	0.83	123	10-171	
Chloromethane	mg/kg	ND	0.68	0.95	141	10-200	
cis-1,2-Dichloroethene	mg/kg	ND	0.68	0.87	129	10-172	
cis-1,3-Dichloropropene	mg/kg	ND	0.68	0.86	128	10-160	
Dibromochloromethane	mg/kg	ND	0.68	0.83	123	10-168	
Dibromomethane	mg/kg	ND	0.68	0.77	114	10-173	
Dichlorodifluoromethane	mg/kg	ND	0.68	1.0	148	10-200	
Diisopropyl ether	mg/kg	ND	0.68	0.83	124	10-169	
Ethylbenzene	mg/kg	ND	0.68	0.81	120	10-169	
Hexachloro-1,3-butadiene	mg/kg	ND	0.68	0.94	139	10-190	
Isopropylbenzene (Cumene)	mg/kg	ND	0.68	0.98	145	10-179	
m&p-Xylene	mg/kg	ND	1.3	1.7	127	10-174	
Methyl-tert-butyl ether	mg/kg	ND	0.68	0.80	119	10-157	
Methylene Chloride	mg/kg	ND	0.68	0.79	115	10-177	
n-Butylbenzene	mg/kg	ND	0.68	0.88	131	10-174	
n-Propylbenzene	mg/kg	ND	0.68	0.86	128	10-170	
Naphthalene	mg/kg	ND	0.68	0.83	124	10-155	
o-Xylene	mg/kg	ND	0.68	0.89	132	10-175	
p-Isopropyltoluene	mg/kg	ND	0.68	0.93	138	10-174	
sec-Butylbenzene	mg/kg	ND	0.68	0.89	132	10-177	
Styrene	mg/kg	ND	0.68	0.88	131	10-174	
tert-Butylbenzene	mg/kg	ND	0.68	0.76	113	10-142	
Tetrachloroethene	mg/kg	ND	0.68	0.71	106	10-166 IK	
Toluene	mg/kg	ND	0.68	0.80	119	10-173	
trans-1,2-Dichloroethene	mg/kg	ND	0.68	0.89	133	10-173	
trans-1,3-Dichloropropene	mg/kg	ND	0.68	0.86	128	10-159	
Trichloroethene	mg/kg	ND	0.68	0.88	131	10-181	
Trichlorofluoromethane	mg/kg	ND	0.68	0.48	71	10-130	
Vinyl acetate	mg/kg	ND	1.3	1.6	117	10-158	
Vinyl chloride	mg/kg	ND	0.68	0.93	139	10-189	
Xylene (Total)	mg/kg	ND	2.1	2.6	129	10-174	
1,2-Dichloroethane-d4 (S)	%				92	70-135	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				98	70-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4982415

Parameter	Units	92824087006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
2-Hexanone	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Diisopropyl ether	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4982415

Parameter	Units	92824087006 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	ND		30	
o-Xylene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	IK
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl acetate	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	92			
4-Bromofluorobenzene (S)	%	98	165			S3
Toluene-d8 (S)	%	99	94			

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

QC Batch:	969735	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	8260D 5035A 5030B SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929001

METHOD BLANK: 4984030 Matrix: Solid

Associated Lab Samples: 92824929001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	10/28/25 22:53	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0026	10/28/25 22:53	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0013	10/28/25 22:53	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0017	10/28/25 22:53	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0021	10/28/25 22:53	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0021	10/28/25 22:53	
1,1-Dichloropropene	mg/kg	ND	0.0050	0.0024	10/28/25 22:53	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	0.0040	10/28/25 22:53	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	0.0025	10/28/25 22:53	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0042	10/28/25 22:53	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	0.0030	10/28/25 22:53	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0019	10/28/25 22:53	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	0.0022	10/28/25 22:53	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	0.0018	10/28/25 22:53	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0033	10/28/25 22:53	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	10/28/25 22:53	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	0.0017	10/28/25 22:53	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	0.0016	10/28/25 22:53	
1,3-Dichloropropane	mg/kg	ND	0.0050	0.0016	10/28/25 22:53	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	0.0013	10/28/25 22:53	
2,2-Dichloropropane	mg/kg	ND	0.0050	0.0038	10/28/25 22:53	
2-Butanone (MEK)	mg/kg	ND	0.10	0.024	10/28/25 22:53	
2-Chlorotoluene	mg/kg	ND	0.0050	0.0018	10/28/25 22:53	
2-Hexanone	mg/kg	ND	0.050	0.0048	10/28/25 22:53	
4-Chlorotoluene	mg/kg	ND	0.0050	0.0028	10/28/25 22:53	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.050	0.0048	10/28/25 22:53	
Acetone	mg/kg	ND	0.10	0.032	10/28/25 22:53	
Benzene	mg/kg	ND	0.0050	0.0020	10/28/25 22:53	
Bromobenzene	mg/kg	ND	0.0050	0.0016	10/28/25 22:53	
Bromochloromethane	mg/kg	ND	0.0050	0.0015	10/28/25 22:53	
Bromodichloromethane	mg/kg	ND	0.0050	0.0019	10/28/25 22:53	
Bromoform	mg/kg	ND	0.0050	0.0018	10/28/25 22:53	
Bromomethane	mg/kg	ND	0.020	0.016	10/28/25 22:53	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0019	10/28/25 22:53	
Chlorobenzene	mg/kg	ND	0.0050	0.0029	10/28/25 22:53	
Chloroethane	mg/kg	ND	0.010	0.0039	10/28/25 22:53	
Chloroform	mg/kg	ND	0.0050	0.0042	10/28/25 22:53	
Chloromethane	mg/kg	ND	0.010	0.0042	10/28/25 22:53	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0017	10/28/25 22:53	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0014	10/28/25 22:53	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

METHOD BLANK: 4984030

Matrix: Solid

Associated Lab Samples: 92824929001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	ND	0.0050	0.0028	10/28/25 22:53	
Dibromomethane	mg/kg	ND	0.0050	0.0011	10/28/25 22:53	
Dichlorodifluoromethane	mg/kg	ND	0.010	0.0051	10/28/25 22:53	
Diisopropyl ether	mg/kg	ND	0.0050	0.0014	10/28/25 22:53	
Ethylbenzene	mg/kg	ND	0.0050	0.0023	10/28/25 22:53	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	0.0082	10/28/25 22:53	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	0.0017	10/28/25 22:53	
m&p-Xylene	mg/kg	ND	0.010	0.0034	10/28/25 22:53	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0019	10/28/25 22:53	
Methylene Chloride	mg/kg	ND	0.020	0.014	10/28/25 22:53	
n-Butylbenzene	mg/kg	ND	0.0050	0.0032	10/28/25 22:53	
n-Propylbenzene	mg/kg	ND	0.0050	0.0018	10/28/25 22:53	
Naphthalene	mg/kg	ND	0.0050	0.0026	10/28/25 22:53	
o-Xylene	mg/kg	ND	0.0050	0.0022	10/28/25 22:53	
p-Isopropyltoluene	mg/kg	ND	0.0050	0.0025	10/28/25 22:53	
sec-Butylbenzene	mg/kg	ND	0.0050	0.0022	10/28/25 22:53	
Styrene	mg/kg	ND	0.0050	0.0013	10/28/25 22:53	
tert-Butylbenzene	mg/kg	ND	0.0050	0.0018	10/28/25 22:53	v2
Tetrachloroethene	mg/kg	ND	0.0050	0.0016	10/28/25 22:53	IK,v2
Toluene	mg/kg	ND	0.0050	0.0034	10/28/25 22:53	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0042	10/28/25 22:53	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0017	10/28/25 22:53	
Trichloroethene	mg/kg	ND	0.0050	0.0040	10/28/25 22:53	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0028	10/28/25 22:53	
Vinyl acetate	mg/kg	ND	0.050	0.010	10/28/25 22:53	
Vinyl chloride	mg/kg	ND	0.010	0.0025	10/28/25 22:53	
Xylene (Total)	mg/kg	ND	0.010	0.0028	10/28/25 22:53	
1,2-Dichloroethane-d4 (S)	%	103	70-135		10/28/25 22:53	
4-Bromofluorobenzene (S)	%	95	70-130		10/28/25 22:53	
Toluene-d8 (S)	%	98	70-130		10/28/25 22:53	

LABORATORY CONTROL SAMPLE: 4984031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.5	0.46	92	70-130	
1,1,1-Trichloroethane	mg/kg	0.5	0.42	85	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	0.5	0.45	89	70-130	
1,1,2-Trichloroethane	mg/kg	0.5	0.45	91	70-130	
1,1-Dichloroethane	mg/kg	0.5	0.41	82	70-130	
1,1-Dichloroethene	mg/kg	0.5	0.44	88	67-139	
1,1-Dichloropropene	mg/kg	0.5	0.42	85	68-132	
1,2,3-Trichlorobenzene	mg/kg	0.5	0.47	94	68-130	
1,2,3-Trichloropropane	mg/kg	0.5	0.39	77	70-130	
1,2,4-Trichlorobenzene	mg/kg	0.5	0.45	90	67-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4984031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	0.5	0.45	90	70-130	
1,2-Dibromo-3-chloropropane	mg/kg	0.5	0.45	89	68-130	
1,2-Dibromoethane (EDB)	mg/kg	0.5	0.45	90	70-130	
1,2-Dichlorobenzene	mg/kg	0.5	0.43	86	70-130	
1,2-Dichloroethane	mg/kg	0.5	0.42	84	68-130	
1,2-Dichloropropane	mg/kg	0.5	0.44	89	70-130	
1,3,5-Trimethylbenzene	mg/kg	0.5	0.46	92	70-130	
1,3-Dichlorobenzene	mg/kg	0.5	0.42	84	70-130	
1,3-Dichloropropane	mg/kg	0.5	0.43	86	70-130	
1,4-Dichlorobenzene	mg/kg	0.5	0.42	84	70-130	
2,2-Dichloropropane	mg/kg	0.5	0.43	87	49-137	
2-Butanone (MEK)	mg/kg	1	0.87	87	59-136	
2-Chlorotoluene	mg/kg	0.5	0.42	85	70-130	
2-Hexanone	mg/kg	1	0.92	92	63-143	
4-Chlorotoluene	mg/kg	0.5	0.44	88	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	0.92	92	67-134	
Acetone	mg/kg	1	0.87	87	59-132	
Benzene	mg/kg	0.5	0.45	89	70-130	
Bromobenzene	mg/kg	0.5	0.44	88	70-130	
Bromochloromethane	mg/kg	0.5	0.49	98	70-130	
Bromodichloromethane	mg/kg	0.5	0.46	91	70-130	
Bromoform	mg/kg	0.5	0.45	90	70-130	
Bromomethane	mg/kg	0.5	0.41	82	36-180	
Carbon tetrachloride	mg/kg	0.5	0.45	89	69-133	
Chlorobenzene	mg/kg	0.5	0.42	85	70-130	
Chloroethane	mg/kg	0.5	0.48	95	61-147	
Chloroform	mg/kg	0.5	0.42	85	69-130	
Chloromethane	mg/kg	0.5	0.46	92	66-154	
cis-1,2-Dichloroethene	mg/kg	0.5	0.43	87	69-130	
cis-1,3-Dichloropropene	mg/kg	0.5	0.47	94	70-130	
Dibromochloromethane	mg/kg	0.5	0.47	94	70-130	
Dibromomethane	mg/kg	0.5	0.43	87	70-130	
Dichlorodifluoromethane	mg/kg	0.5	0.43	87	40-194	
Diisopropyl ether	mg/kg	0.5	0.42	84	64-130	
Ethylbenzene	mg/kg	0.5	0.42	85	69-130	
Hexachloro-1,3-butadiene	mg/kg	0.5	0.44	89	59-134	
Isopropylbenzene (Cumene)	mg/kg	0.5	0.50	100	70-130	
m&p-Xylene	mg/kg	1	0.88	88	70-130	
Methyl-tert-butyl ether	mg/kg	0.5	0.41	82	66-130	
Methylene Chloride	mg/kg	0.5	0.41	82	67-130	
n-Butylbenzene	mg/kg	0.5	0.43	87	66-130	
n-Propylbenzene	mg/kg	0.5	0.44	87	70-130	
Naphthalene	mg/kg	0.5	0.47	95	70-130	
o-Xylene	mg/kg	0.5	0.47	93	70-130	
p-Isopropyltoluene	mg/kg	0.5	0.47	93	69-130	
sec-Butylbenzene	mg/kg	0.5	0.44	87	70-130	
Styrene	mg/kg	0.5	0.47	93	70-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4984031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	mg/kg	0.5	0.39	78	61-130	v3
Tetrachloroethene	mg/kg	0.5	0.36	71	70-130	IK,v3
Toluene	mg/kg	0.5	0.42	83	70-130	
trans-1,2-Dichloroethene	mg/kg	0.5	0.43	87	68-133	
trans-1,3-Dichloropropene	mg/kg	0.5	0.47	94	70-130	
Trichloroethene	mg/kg	0.5	0.45	90	70-130	
Trichlorofluoromethane	mg/kg	0.5	0.40	79	59-147	
Vinyl acetate	mg/kg	1	0.87	87	67-136	
Vinyl chloride	mg/kg	0.5	0.43	87	59-148	
Xylene (Total)	mg/kg	1.5	1.3	90	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-135	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4984033

Parameter	Units	92825680002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.88	0.68	78	10-174	
1,1,1-Trichloroethane	mg/kg	ND	0.88	0.67	76	10-178	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.88	0.65	74	10-164	
1,1,2-Trichloroethane	mg/kg	ND	0.88	0.68	77	10-167	
1,1-Dichloroethane	mg/kg	ND	0.88	0.55	62	10-175	
1,1-Dichloroethene	mg/kg	ND	0.88	0.37	42	10-189	
1,1-Dichloropropene	mg/kg	ND	0.88	0.71	80	10-179	
1,2,3-Trichlorobenzene	mg/kg	ND	0.88	0.45	50	10-154	
1,2,3-Trichloropropane	mg/kg	ND	0.88	0.90	102	10-157	
1,2,4-Trichlorobenzene	mg/kg	ND	0.88	0.60	68	10-156	
1,2,4-Trimethylbenzene	mg/kg	ND	0.88	0.70	79	10-169	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.88	0.52	59	10-148	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.88	0.64	73	10-166	
1,2-Dichlorobenzene	mg/kg	ND	0.88	0.67	76	10-166	
1,2-Dichloroethane	mg/kg	ND	0.88	0.65	73	10-171	
1,2-Dichloropropane	mg/kg	ND	0.88	0.70	79	10-175	
1,3,5-Trimethylbenzene	mg/kg	ND	0.88	0.71	81	10-171	
1,3-Dichlorobenzene	mg/kg	ND	0.88	0.65	73	10-166	
1,3-Dichloropropane	mg/kg	ND	0.88	0.64	73	10-167	
1,4-Dichlorobenzene	mg/kg	ND	0.88	0.63	71	10-163	
2,2-Dichloropropane	mg/kg	ND	0.88	0.41	47	10-158	
2-Butanone (MEK)	mg/kg	ND	1.7	0.70	40	10-156	
2-Chlorotoluene	mg/kg	ND	0.88	0.65	73	10-167	
2-Hexanone	mg/kg	ND	1.7	1.1	64	10-159	
4-Chlorotoluene	mg/kg	ND	0.88	0.69	78	10-167	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.7	1.3	73	10-162	
Acetone	mg/kg	ND	1.7	0.25	14	10-131	
Benzene	mg/kg	ND	0.88	0.69	79	10-175	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

MATRIX SPIKE SAMPLE:		4984033					
Parameter	Units	92825680002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	mg/kg	ND	0.88	0.65	73	10-166	
Bromochloromethane	mg/kg	ND	0.88	0.73	83	10-173	
Bromodichloromethane	mg/kg	ND	0.88	0.64	72	10-169	
Bromoform	mg/kg	ND	0.88	0.61	69	10-165	
Bromomethane	mg/kg	ND	0.88	0.39	44	10-130	
Carbon tetrachloride	mg/kg	ND	0.88	0.74	84	10-182	
Chlorobenzene	mg/kg	ND	0.88	0.67	76	10-171	
Chloroethane	mg/kg	ND	0.88	0.27	30	10-130	
Chloroform	mg/kg	ND	0.88	0.66	74	10-171	
Chloromethane	mg/kg	ND	0.88	0.76	86	10-200	
cis-1,2-Dichloroethene	mg/kg	ND	0.88	0.76	87	10-172	
cis-1,3-Dichloropropene	mg/kg	ND	0.88	0.68	77	10-160	
Dibromochloromethane	mg/kg	ND	0.88	0.63	71	10-168	
Dibromomethane	mg/kg	ND	0.88	0.64	73	10-173	
Dichlorodifluoromethane	mg/kg	ND	0.88	0.78	88	10-200	
Diisopropyl ether	mg/kg	ND	0.88	0.72	81	10-169	
Ethylbenzene	mg/kg	ND	0.88	0.68	77	10-169	
Hexachloro-1,3-butadiene	mg/kg	ND	0.88	0.82	93	10-190	
Isopropylbenzene (Cumene)	mg/kg	ND	0.88	0.80	91	10-179	
m&p-Xylene	mg/kg	ND	1.7	1.4	80	10-174	
Methyl-tert-butyl ether	mg/kg	ND	0.88	0.67	76	10-157	
Methylene Chloride	mg/kg	ND	0.88	0.42	48	10-177	
n-Butylbenzene	mg/kg	ND	0.88	0.69	78	10-174	
n-Propylbenzene	mg/kg	ND	0.88	0.70	79	10-170	
Naphthalene	mg/kg	ND	0.88	0.48	55	10-155	
o-Xylene	mg/kg	ND	0.88	0.76	86	10-175	
p-Isopropyltoluene	mg/kg	ND	0.88	0.75	85	10-174	
sec-Butylbenzene	mg/kg	ND	0.88	0.72	81	10-177	
Styrene	mg/kg	ND	0.88	0.71	80	10-174	
tert-Butylbenzene	mg/kg	ND	0.88	0.60	68	10-142	v3
Tetrachloroethene	mg/kg	ND	0.88	0.58	66	10-166	IK,v3
Toluene	mg/kg	ND	0.88	0.66	75	10-173	
trans-1,2-Dichloroethene	mg/kg	ND	0.88	0.41	47	10-173	
trans-1,3-Dichloropropene	mg/kg	ND	0.88	0.64	73	10-159	
Trichloroethene	mg/kg	ND	0.88	0.72	82	10-181	
Trichlorofluoromethane	mg/kg	ND	0.88	0.35	40	10-130	
Vinyl acetate	mg/kg	ND	1.7	1.2	70	10-158	
Vinyl chloride	mg/kg	ND	0.88	0.73	83	10-189	
Xylene (Total)	mg/kg	ND	2.6	2.2	82	10-174	
1,2-Dichloroethane-d4 (S)	%				98	70-135	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				99	70-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4984032

Parameter	Units	92825680001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
2-Hexanone	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Diisopropyl ether	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4984032

Parameter	Units	92825680001 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	ND		30	
o-Xylene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	11.0 ug/kg	0.012	7	30	
tert-Butylbenzene	mg/kg	ND	ND		30 v2	
Tetrachloroethene	mg/kg	ND	ND		30 IK,v2	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl acetate	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	102			
4-Bromofluorobenzene (S)	%	100	98			
Toluene-d8 (S)	%	98	98			

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

QC Batch: 968603 Analysis Method: EPA 8082A
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929001, 92824929002

METHOD BLANK: 4978389 Matrix: Solid

Associated Lab Samples: 92824929001, 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.033	0.013	10/23/25 11:35	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.033	0.022	10/23/25 11:35	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.033	0.015	10/23/25 11:35	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.033	0.0080	10/23/25 11:35	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.033	0.0089	10/23/25 11:35	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.033	0.014	10/23/25 11:35	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.033	0.015	10/23/25 11:35	
Decachlorobiphenyl (S)	%	75	10-166		10/23/25 11:35	

LABORATORY CONTROL SAMPLE: 4978390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	0.17	0.15	90	39-130	
PCB-1260 (Aroclor 1260)	mg/kg	0.17	0.16	96	44-130	
Decachlorobiphenyl (S)	%			99	10-166	

MATRIX SPIKE SAMPLE: 4978391

Parameter	Units	92825188001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.2	0.17	86	10-130	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.2	0.20	99	10-135	
Decachlorobiphenyl (S)	%				93	10-166	

SAMPLE DUPLICATE: 4978392

Parameter	Units	92824929001 Result	Dup Result	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	ND		30	
PCB-1221 (Aroclor 1221)	mg/kg	ND	ND		30	
PCB-1232 (Aroclor 1232)	mg/kg	ND	ND		30	
PCB-1242 (Aroclor 1242)	mg/kg	ND	ND		30	
PCB-1248 (Aroclor 1248)	mg/kg	ND	ND		30	
PCB-1254 (Aroclor 1254)	mg/kg	ND	ND		30	
PCB-1260 (Aroclor 1260)	mg/kg	0.072J	0.18		30	
Decachlorobiphenyl (S)	%	59	43			

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

QC Batch: 969041 Analysis Method: EPA 8270E
QC Batch Method: EPA 3546 Analysis Description: 8270E Solid MSSV Microwave
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929001, 92824929002

METHOD BLANK: 4980574 Matrix: Solid

Associated Lab Samples: 92824929001, 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.33	0.16	10/25/25 15:35	
2,4,5-Trichlorophenol	mg/kg	ND	0.33	0.15	10/25/25 15:35	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	0.14	10/25/25 15:35	
2,4-Dichlorophenol	mg/kg	ND	0.33	0.13	10/25/25 15:35	
2,4-Dimethylphenol	mg/kg	ND	0.33	0.14	10/25/25 15:35	
2,4-Dinitrophenol	mg/kg	ND	1.6	1.0	10/25/25 15:35	
2,4-Dinitrotoluene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
2,6-Dinitrotoluene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
2-Chloronaphthalene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
2-Chlorophenol	mg/kg	ND	0.33	0.12	10/25/25 15:35	
2-Methylnaphthalene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	0.13	10/25/25 15:35	
2-Nitroaniline	mg/kg	ND	1.6	0.27	10/25/25 15:35	
2-Nitrophenol	mg/kg	ND	0.33	0.14	10/25/25 15:35	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.33	0.13	10/25/25 15:35	
3,3'-Dichlorobenzidine	mg/kg	ND	0.66	0.22	10/25/25 15:35	
3-Nitroaniline	mg/kg	ND	1.6	0.26	10/25/25 15:35	
4,6-Dinitro-2-methylphenol	mg/kg	ND	0.66	0.31	10/25/25 15:35	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	0.13	10/25/25 15:35	
4-Chloro-3-methylphenol	mg/kg	ND	0.66	0.23	10/25/25 15:35	
4-Chloroaniline	mg/kg	ND	0.66	0.26	10/25/25 15:35	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	0.12	10/25/25 15:35	
4-Nitroaniline	mg/kg	ND	0.66	0.25	10/25/25 15:35	
4-Nitrophenol	mg/kg	ND	1.6	0.63	10/25/25 15:35	
Acenaphthene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Acenaphthylene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Aniline	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Anthracene	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Benzo(a)anthracene	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Benzo(b)fluoranthene	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Benzo(k)fluoranthene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Benzoic Acid	mg/kg	ND	1.6	0.70	10/25/25 15:35	
Benzyl alcohol	mg/kg	ND	0.66	0.25	10/25/25 15:35	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	0.14	10/25/25 15:35	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	0.12	10/25/25 15:35	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Butylbenzylphthalate	mg/kg	ND	0.33	0.14	10/25/25 15:35	
Chrysene	mg/kg	ND	0.33	0.12	10/25/25 15:35	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

METHOD BLANK: 4980574

Matrix: Solid

Associated Lab Samples: 92824929001, 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Di-n-butylphthalate	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Di-n-octylphthalate	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Dibenzofuran	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Diethylphthalate	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Dimethylphthalate	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Fluoranthene	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Fluorene	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Hexachlorobenzene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Hexachlorocyclopentadiene	mg/kg	ND	0.33	0.19	10/25/25 15:35	
Hexachloroethane	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Isophorone	mg/kg	ND	0.33	0.15	10/25/25 15:35	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	0.12	10/25/25 15:35	
N-Nitrosodimethylamine	mg/kg	ND	0.33	0.11	10/25/25 15:35	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	0.12	10/25/25 15:35	
Nitrobenzene	mg/kg	ND	0.33	0.15	10/25/25 15:35	
Pentachlorophenol	mg/kg	ND	0.66	0.32	10/25/25 15:35	
Phenanthrene	mg/kg	ND	0.33	0.11	10/25/25 15:35	
Phenol	mg/kg	ND	0.33	0.15	10/25/25 15:35	
Pyrene	mg/kg	ND	0.33	0.13	10/25/25 15:35	
Pyridine	mg/kg	ND	0.33	0.10	10/25/25 15:35	
2,4,6-Tribromophenol (S)	%	68	10-130		10/25/25 15:35	
2-Fluorobiphenyl (S)	%	60	10-130		10/25/25 15:35	
2-Fluorophenol (S)	%	54	10-130		10/25/25 15:35	
Nitrobenzene-d5 (S)	%	57	10-130		10/25/25 15:35	
Phenol-d6 (S)	%	55	10-130		10/25/25 15:35	
Terphenyl-d14 (S)	%	65	10-130		10/25/25 15:35	

LABORATORY CONTROL SAMPLE: 4980575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.0	60	46-130	
2,2'-Oxybis(1-chloropropane)	mg/kg	1.7	0.76	45	12-130	
2,4,5-Trichlorophenol	mg/kg	1.7	1.1	65	49-130	
2,4,6-Trichlorophenol	mg/kg	1.7	1.1	66	48-130	
2,4-Dichlorophenol	mg/kg	1.7	0.95	57	45-130	
2,4-Dimethylphenol	mg/kg	1.7	0.92	55	45-130	
2,4-Dinitrophenol	mg/kg	8.4	6.0	71	23-130	
2,4-Dinitrotoluene	mg/kg	1.7	1.2	75	50-130	
2,6-Dinitrotoluene	mg/kg	1.7	1.3	75	53-130	
2-Chloronaphthalene	mg/kg	1.7	1.1	66	46-130	
2-Chlorophenol	mg/kg	1.7	0.80	48	39-130	
2-Methylnaphthalene	mg/kg	1.7	0.98	59	45-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4980575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylphenol(o-Cresol)	mg/kg	1.7	0.88	53	38-130	
2-Nitroaniline	mg/kg	3.3	2.0	59	43-130	
2-Nitrophenol	mg/kg	1.7	0.95	57	43-130	
3&4-Methylphenol(m&p Cresol)	mg/kg	1.7	0.92	55	34-130	
3,3'-Dichlorobenzidine	mg/kg	3.3	2.2	66	68-130	L2
3-Nitroaniline	mg/kg	3.3	2.2	64	36-130	
4,6-Dinitro-2-methylphenol	mg/kg	3.3	2.5	74	38-130	
4-Bromophenylphenyl ether	mg/kg	1.7	1.2	74	52-130	
4-Chloro-3-methylphenol	mg/kg	3.3	2.1	63	45-130	
4-Chloroaniline	mg/kg	3.3	2.0	59	41-130	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.1	68	46-130	
4-Nitroaniline	mg/kg	3.3	2.2	65	40-130	
4-Nitrophenol	mg/kg	8.4	5.2	63	34-130	
Acenaphthene	mg/kg	1.7	1.0	61	47-130	
Acenaphthylene	mg/kg	1.7	1.1	67	50-130	
Aniline	mg/kg	1.7	0.74	44	33-130	
Anthracene	mg/kg	1.7	1.1	69	46-130	
Benzo(a)anthracene	mg/kg	1.7	1.2	71	49-130	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	70	45-130	
Benzo(g,h,i)perylene	mg/kg	1.7	1.2	70	44-130	
Benzo(k)fluoranthene	mg/kg	1.7	1.2	70	46-130	
Benzoic Acid	mg/kg	8.4	2.9	34	14-130	
Benzyl alcohol	mg/kg	3.3	1.9	57	39-130	
bis(2-Chloroethoxy)methane	mg/kg	1.7	0.99	59	41-130	
bis(2-Chloroethyl) ether	mg/kg	1.7	0.79	47	34-130	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.3	80	39-130	
Butylbenzylphthalate	mg/kg	1.7	1.3	79	48-130	
Chrysene	mg/kg	1.7	1.2	70	50-130	
Di-n-butylphthalate	mg/kg	1.7	1.2	73	46-130	
Di-n-octylphthalate	mg/kg	1.7	1.3	80	49-130	
Dibenz(a,h)anthracene	mg/kg	1.7	1.2	74	46-130	
Dibenzofuran	mg/kg	1.7	1.1	68	49-130	
Diethylphthalate	mg/kg	1.7	1.2	70	49-130	
Dimethylphthalate	mg/kg	1.7	1.2	69	50-130	
Fluoranthene	mg/kg	1.7	1.1	66	49-130	
Fluorene	mg/kg	1.7	1.1	65	47-130	
Hexachlorobenzene	mg/kg	1.7	1.2	74	52-130	
Hexachlorocyclopentadiene	mg/kg	1.7	0.85	51	10-130	
Hexachloroethane	mg/kg	1.7	0.79	47	36-130	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.1	64	44-130	
Isophorone	mg/kg	1.7	1.0	61	40-130	
N-Nitroso-di-n-propylamine	mg/kg	1.7	0.98	59	34-130	
N-Nitrosodimethylamine	mg/kg	1.7	0.95	57	29-130	
N-Nitrosodiphenylamine	mg/kg	1.7	1.2	70	47-130	
Nitrobenzene	mg/kg	1.7	0.87	52	41-130	
Pentachlorophenol	mg/kg	3.3	2.4	73	35-130	
Phenanthrene	mg/kg	1.7	1.1	68	50-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4980575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	mg/kg	1.7	0.84	50	39-130	
Pyrene	mg/kg	1.7	1.3	75	51-130	
Pyridine	mg/kg	1.7	0.59	35	21-130	
2,4,6-Tribromophenol (S)	%			74	10-130	
2-Fluorobiphenyl (S)	%			58	10-130	
2-Fluorophenol (S)	%			43	10-130	
Nitrobenzene-d5 (S)	%			49	10-130	
Phenol-d6 (S)	%			47	10-130	
Terphenyl-d14 (S)	%			73	10-130	

SAMPLE DUPLICATE: 4980577

Parameter	Units	92825254002 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	mg/kg	ND	ND		30	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	ND		30	
2,4,5-Trichlorophenol	mg/kg	ND	ND		30	
2,4,6-Trichlorophenol	mg/kg	ND	ND		30	
2,4-Dichlorophenol	mg/kg	ND	ND		30	
2,4-Dimethylphenol	mg/kg	ND	ND		30	
2,4-Dinitrophenol	mg/kg	ND	ND		30	
2,4-Dinitrotoluene	mg/kg	ND	ND		30	
2,6-Dinitrotoluene	mg/kg	ND	ND		30	
2-Chloronaphthalene	mg/kg	ND	ND		30	
2-Chlorophenol	mg/kg	ND	ND		30	
2-Methylnaphthalene	mg/kg	ND	ND		30	
2-Methylphenol(o-Cresol)	mg/kg	ND	ND		30	
2-Nitroaniline	mg/kg	ND	ND		30	
2-Nitrophenol	mg/kg	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	ND		30	
3,3'-Dichlorobenzidine	mg/kg	ND	ND		30	
3-Nitroaniline	mg/kg	ND	ND		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	ND		30	
4-Bromophenylphenyl ether	mg/kg	ND	ND		30	
4-Chloro-3-methylphenol	mg/kg	ND	ND		30	
4-Chloroaniline	mg/kg	ND	ND		30	
4-Chlorophenylphenyl ether	mg/kg	ND	ND		30	
4-Nitroaniline	mg/kg	ND	ND		30	
4-Nitrophenol	mg/kg	ND	ND		30	
Acenaphthene	mg/kg	ND	ND		30	
Acenaphthylene	mg/kg	ND	ND		30	
Aniline	mg/kg	ND	ND		30	
Anthracene	mg/kg	ND	ND		30	
Benzo(a)anthracene	mg/kg	ND	ND		30	
Benzo(b)fluoranthene	mg/kg	ND	ND		30	
Benzo(g,h,i)perylene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4980577

Parameter	Units	92825254002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(k)fluoranthene	mg/kg	ND	ND		30	
Benzoic Acid	mg/kg	ND	ND		30	
Benzyl alcohol	mg/kg	ND	ND		30	
bis(2-Chloroethoxy)methane	mg/kg	ND	ND		30	
bis(2-Chloroethyl) ether	mg/kg	ND	ND		30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	ND		30	
Butylbenzylphthalate	mg/kg	ND	ND		30	
Chrysene	mg/kg	ND	ND		30	
Di-n-butylphthalate	mg/kg	ND	ND		30	
Di-n-octylphthalate	mg/kg	ND	ND		30	
Dibenz(a,h)anthracene	mg/kg	ND	ND		30	
Dibenzofuran	mg/kg	ND	ND		30	
Diethylphthalate	mg/kg	ND	ND		30	
Dimethylphthalate	mg/kg	ND	ND		30	
Fluoranthene	mg/kg	ND	ND		30	
Fluorene	mg/kg	ND	ND		30	
Hexachlorobenzene	mg/kg	ND	ND		30	
Hexachlorocyclopentadiene	mg/kg	ND	ND		30	
Hexachloroethane	mg/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	ND		30	
Isophorone	mg/kg	ND	ND		30	
N-Nitroso-di-n-propylamine	mg/kg	ND	ND		30	
N-Nitrosodimethylamine	mg/kg	ND	ND		30	
N-Nitrosodiphenylamine	mg/kg	ND	ND		30	
Nitrobenzene	mg/kg	ND	ND		30	
Pentachlorophenol	mg/kg	ND	ND		30	
Phenanthrene	mg/kg	ND	ND		30	
Phenol	mg/kg	ND	ND		30	
Pyrene	mg/kg	ND	ND		30	
Pyridine	mg/kg	ND	ND		30	
2,4,6-Tribromophenol (S)	%	52	62			
2-Fluorobiphenyl (S)	%	41	47			
2-Fluorophenol (S)	%	38	43			
Nitrobenzene-d5 (S)	%	40	47			
Phenol-d6 (S)	%	38	45			
Terphenyl-d14 (S)	%	53	64			

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

QC Batch: 968061 Analysis Method: EPA 8270E
QC Batch Method: EPA 3546 Analysis Description: 8270E Solid MSSV Microwave PAH
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929001, 92824929002

METHOD BLANK: 4975382 Matrix: Solid

Associated Lab Samples: 92824929001, 92824929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
2-Methylnaphthalene	mg/kg	ND	0.33	0.13	10/22/25 11:39	
Acenaphthene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Acenaphthylene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Anthracene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Benzo(a)anthracene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Benzo(a)pyrene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Benzo(b)fluoranthene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	0.13	10/22/25 11:39	
Benzo(k)fluoranthene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Chrysene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	0.13	10/22/25 11:39	
Fluoranthene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Fluorene	mg/kg	ND	0.33	0.12	10/22/25 11:39	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	0.13	10/22/25 11:39	
Naphthalene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Phenanthrene	mg/kg	ND	0.33	0.11	10/22/25 11:39	
Pyrene	mg/kg	ND	0.33	0.14	10/22/25 11:39	
2-Fluorobiphenyl (S)	%	49	10-130		10/22/25 11:39	
Nitrobenzene-d5 (S)	%	47	10-130		10/22/25 11:39	
Terphenyl-d14 (S)	%	62	10-130		10/22/25 11:39	

LABORATORY CONTROL SAMPLE: 4975383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	0.97	58	46-130	
2-Methylnaphthalene	mg/kg	1.7	0.95	57	45-130	
Acenaphthene	mg/kg	1.7	0.98	59	47-130	
Acenaphthylene	mg/kg	1.7	1.1	64	50-130	
Anthracene	mg/kg	1.7	1.0	62	46-130	
Benzo(a)anthracene	mg/kg	1.7	1.1	64	49-130	
Benzo(a)pyrene	mg/kg	1.7	1.1	63	45-130	
Benzo(b)fluoranthene	mg/kg	1.7	1.1	64	45-130	
Benzo(g,h,i)perylene	mg/kg	1.7	1.1	64	44-130	
Benzo(k)fluoranthene	mg/kg	1.7	1.0	62	46-130	
Chrysene	mg/kg	1.7	1.1	64	50-130	
Dibenz(a,h)anthracene	mg/kg	1.7	1.1	68	46-130	
Fluoranthene	mg/kg	1.7	1.0	63	49-130	
Fluorene	mg/kg	1.7	1.0	62	47-130	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

LABORATORY CONTROL SAMPLE: 4975383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	0.98	58	44-130	
Naphthalene	mg/kg	1.7	0.89	54	43-130	
Phenanthrene	mg/kg	1.7	1.0	63	50-130	
Pyrene	mg/kg	1.7	1.1	65	51-130	
2-Fluorobiphenyl (S)	%			57	10-130	
Nitrobenzene-d5 (S)	%			51	10-130	
Terphenyl-d14 (S)	%			60	10-130	

MATRIX SPIKE SAMPLE: 4975384

Parameter	Units	92824087007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	ND	1.9	0.83	46	27-130	
2-Methylnaphthalene	mg/kg	ND	1.9	0.77	43	26-130	
Acenaphthene	mg/kg	ND	1.9	0.95	53	29-130	
Acenaphthylene	mg/kg	ND	1.9	1.0	57	27-130	
Anthracene	mg/kg	ND	1.9	1.1	62	26-130	
Benzo(a)anthracene	mg/kg	ND	1.9	1.2	64	31-130	
Benzo(a)pyrene	mg/kg	ND	1.9	1.1	63	24-130	
Benzo(b)fluoranthene	mg/kg	ND	1.9	1.1	63	12-137	
Benzo(g,h,i)perylene	mg/kg	ND	1.9	1.2	64	16-130	
Benzo(k)fluoranthene	mg/kg	ND	1.9	1.1	63	27-130	
Chrysene	mg/kg	ND	1.9	1.2	64	29-130	
Dibenz(a,h)anthracene	mg/kg	ND	1.9	1.2	66	27-130	
Fluoranthene	mg/kg	ND	1.9	1.1	62	26-130	
Fluorene	mg/kg	ND	1.9	1.0	57	27-130	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	1.9	1.1	59	16-130	
Naphthalene	mg/kg	ND	1.9	0.72	40	24-130	
Phenanthrene	mg/kg	ND	1.9	1.1	62	28-130	
Pyrene	mg/kg	ND	1.9	1.2	67	27-130	
2-Fluorobiphenyl (S)	%				47	10-130	
Nitrobenzene-d5 (S)	%				40	10-130	
Terphenyl-d14 (S)	%				62	10-130	

SAMPLE DUPLICATE: 4975385

Parameter	Units	92824087008 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	mg/kg	ND	ND		30	
2-Methylnaphthalene	mg/kg	ND	ND		30	
Acenaphthene	mg/kg	ND	ND		30	
Acenaphthylene	mg/kg	ND	ND		30	
Anthracene	mg/kg	ND	ND		30	
Benzo(a)anthracene	mg/kg	ND	ND		30	
Benzo(a)pyrene	mg/kg	ND	ND		30	
Benzo(b)fluoranthene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

SAMPLE DUPLICATE: 4975385

Parameter	Units	92824087008 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(g,h,i)perylene	mg/kg	ND	ND		30	
Benzo(k)fluoranthene	mg/kg	ND	ND		30	
Chrysene	mg/kg	ND	ND		30	
Dibenz(a,h)anthracene	mg/kg	ND	ND		30	
Fluoranthene	mg/kg	ND	ND		30	
Fluorene	mg/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	ND		30	
Phenanthrene	mg/kg	ND	ND		30	
Pyrene	mg/kg	ND	ND		30	
2-Fluorobiphenyl (S)	%	41	53			
Nitrobenzene-d5 (S)	%	41	52			
Terphenyl-d14 (S)	%	54	61			

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QUALITY CONTROL DATA

Project: CSXT Bramlette MGP

Pace Project No.: 92824929

QC Batch: 968468

Analysis Method: SW-846

QC Batch Method: SW-846

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92824929001, 92824929002

SAMPLE DUPLICATE: 4977399

Parameter	Units	92824714001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	85.7	86.1	0	25	N2

SAMPLE DUPLICATE: 4977400

Parameter	Units	92824956003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.6	18.7	0	25	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CSXT Bramlette MGP
Pace Project No.: 92824929

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92824929001	SD-1DW-1-20251020	EPA 3546	968603	EPA 8082A	968699
92824929002	SD-1DW-2-20251020	EPA 3546	968603	EPA 8082A	968699
92824929001	SD-1DW-1-20251020	EPA 3546	969041	EPA 8270E	969262
92824929002	SD-1DW-2-20251020	EPA 3546	969041	EPA 8270E	969262
92824929001	SD-1DW-1-20251020	EPA 3546	968061	EPA 8270E	968344
92824929002	SD-1DW-2-20251020	EPA 3546	968061	EPA 8270E	968344
92824929001	SD-1DW-1-20251020	EPA 5035A/5030B	969735	EPA 8260D	969745
92824929002	SD-1DW-2-20251020	EPA 5035A/5030B	969415	EPA 8260D	969417
92824929001	SD-1DW-1-20251020	SW-846	968468		
92824929002	SD-1DW-2-20251020	SW-846	968468		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐Sample Condition
Upon Receipt

Client Name:

Project #:

WO#: 92824929

Courier:

☐ Commercial☐ Fed Ex☒ Pace☐ UPS☐ USPS☐ Other:☐ Client

92824929

Custody Seal Present?

☐ Yes☒ No

Seals Intact?

☐ Yes☐ No☒ N/A

Date/Initials Person Examining Contents: APol2125

Packing Material:

☐ Bubble Wrap☒ Bubble Bags☐ None☒ Other

Biological Tissue Frozen?

☐ Yes☐ No☒ N/A

Thermometer:

☐ IR Gun ID:

93T891

Type of Ice:

☒ Wet☐ Blue☐ None

Cooler Temp:

0.5

Correction Factor:

Add/Subtract (°C)

-1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

0.4

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☒ Yes ☐ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

			Comments/Discrepancy:
Chain of Custody Present?	☒ Yes ☐ No ☐ N/A	1.	
Samples Arrived within Hold Time?	☒ Yes ☐ No ☐ N/A	2.	
Short Hold Time Analysis (<72 hr.)?	☐ Yes ☐ No ☒ N/A	3.	
Rush Turn Around Time Requested?	☐ Yes ☐ No ☒ N/A	4.	
Sufficient Volume?	☒ Yes ☐ No ☐ N/A	5.	
Correct Containers Used?	☒ Yes ☐ No ☐ N/A	6.	
-Pace Containers Used?	☒ Yes ☐ No ☐ N/A		
Containers Intact?	☒ Yes ☐ No ☐ N/A	7.	
Dissolved analysis: Samples Field Filtered?	☐ Yes ☐ No ☒ N/A	8.	
Sample Labels Match COC?	☒ Yes ☐ No ☐ N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: SLISED			
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☐ No ☒ N/A	10.	
Trip Blank Present?	☐ Yes ☐ No ☒ N/A	11.	
Trip Blank Custody Seals Present?	☐ Yes ☐ No ☒ N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, UHh.

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92824929

PM: LJP

Due Date: 10/31/25

CLIENT: 92-Duke Ener

Laboratory Receiving Location: Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐Client Duke Energy Profile EZ (Circle one) 3312450 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG8U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation Vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
CC																												
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Scan QR Code for instructions

Specify Container Size **
**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) Encore, (8) TerraCore, (9) 90mL, (10) Other

[illegible]

PROJ. MGR: Lorri Patton ASSISTANT PROJ. MGR:	certified for
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Lab Use Only	Table #:	Profile / Template: 15935
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Prelog / Bottle Ord. ID:	EZ 3312450
CS P	5035
MSSV	
MSSV	

	Sample Comment	Preserv
082 C		
260D		
270E		
270E		

[illegible][illegible]

Signature:				
# Cores:	1	Thermometer ID:	937091	
		Correction Factor (°C):	-1	
		Obs. Temp. (°C)	0.5	
		Corrected Temp. (°C)	0.4	
		On Ice:	Y	

Requisitioned by/Company: (signature)	Date/Time:	Received by/Company: (signature)	Date/Time:	Trading Number:
Al-Jabberstein	10/21/25 0905		10.01.25 0907	
Al-Jabberstein / Haley + Al-Jabberstein				
Requisitioned by/Company: (signature)	Date/Time:	Received by/Company: (signature)	Date/Time:	

Delivered by: ☒ In Person ☐ Counter ☐ FedEx ☐ UPS ☐ Other	Date/Time: 10-21-25 1129	Received by/Company: (Signature) 10-21-25 1129	Date/Time: 10-21-25 1129	Returned by/Company: (Signature) 10-21-25 1129
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Reinquited by/Company (Signature)	10/21/25	1945	Received by/Company (Signature)	10/21/25	1945	Page: 1 of 1