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January 15, 2020

Mr. Greg Cassidy, Brownfields Project Manager
South Carolina Department of Health and Environmental Control
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 2019
Former Bramlette Manufactured Gas Plant
400 East Bramlette Road
Greenville, South Carolina
VCC 16-5857-RP

Dear Mr. Cassidy:

This Quarterly Progress Report has been prepared for the referenced site in accordance with the requirements of the Responsible Party Voluntary Cleanup Contract (VCC 16-5857-RP) between Duke Energy Carolinas (Duke Energy) and the South Carolina Department of Health and Environmental Control (SCDHEC), dated July 29, 2016.

The following sections provide a summary of work performed during the reporting period: test and sampling results generated during the reporting period, environmental problems experienced during the reporting period and their resolution, and work to be performed during the next reporting period. Monitoring wells were installed in accordance with SCDHEC Monitoring Well Approval MW-12085, dated August 6, 2019, pursuant to the provisions of South Carolina Well Standards R.61-71. The work was conducted in accordance with the July 2, 2019 Remedial Investigation Work Plan Addendum (RIWP-A) submitted by Duke Energy and approved by the SCDHEC on August 6, 2019.

Work Performed During the Reporting Period

Activities performed during the fourth quarter (October 1 through December 31, 2019) included the following:

Site Preparation

- Cleared vegetation on Parcels 1 and 2 to facilitate surface geophysical survey, manufactured gas plant (MGP) source area soil screening and sampling, soil gas survey, test pits, soil borings, and monitoring well installation.

- Improved laydown areas and access to work locations.

Surface Geophysical Survey (Section 4.1 of RIWP-A)

- Completed utility locate surveys in the MGP source area on Parcels 1 and 2, and at proposed monitoring well locations throughout the site.
- Conducted surface geophysical survey to identify any MGP operational structures that remain in place and inform placement of soil borings and monitoring wells.

MGP Source Area Soil Screening and Sampling (Section 4.2 of the RIWP-A)

- Drilled 47 near surface soil borings in the MGP source area on Parcels 1 and 2 (**Figure 2**, Attachment A).
- Collected two soil samples (0.5 to 1 and 5.5 to 6 feet below land surface [bls]) from each boring for analysis of volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260 and semi-volatile organic compounds (SVOCs) by EPA Method 8270.

Soil Gas (Section 4.3 of the RIWP-A)

- Installed 47 passive soil gas (PSG) probes at the locations shown on **Figure 2** (Attachment A).
- Retrieved PSG probes and submitted to Beacon Environmental for analysis of VOCs by EPA Method 8260.

Test Pits (Section 4.4 of the RIWP-A)

- Excavated 16 test pits at the locations shown on **Figure 2** (Attachment A) to verify adequate removal of MGP affected near surface soils during excavation in 2001 and 2002, evaluate debris encountered during excavation, and evaluate the presence or absence of non-aqueous phase liquid (NAPL).

Soil Borings (Section 4.5 of the RIWP-A)

- Drilled soil borings RI-SB-4 through RI-SB-10 in the MGP source area on Parcels 1 and 2 (**Figure 2**, Attachment A).

Monitoring Well Installation (Section 4.6 of the RIWP-A)

- Installed monitoring wells MW-41S, MW-41TZ, and MW-41BR at the Legacy Charter School at the locations shown on **Figure 1** (Attachment A).
- Installed monitoring wells MW-30TZ, MW-32S, MW-32TZ, MW-33S, and MW-33TZ along the Swamp Rabbit Trail adjacent to the Reedy River at the locations shown on **Figure 1** (Attachment A).
- Installed monitoring wells MW-34S, MW-34TZ, MW-34BR on Parcel 2 at the locations shown on **Figure 1** (Attachment A).

- Installed monitoring wells MW-02TZ, MW-02BR, MW-21BR, MW-39S, and MW-39BR on Parcel 3 at the locations shown on **Figure 1** (Attachment A).

- Installed surface casings for monitoring wells MW-21BRL, MW-29BR, and MW-39BRL at the locations shown on **Figure 1** (Attachment A).

- Developed monitoring wells MW-02TZ, MW-02BR, MW-30TZ, MW-32S, MW-32TZ, MW-33S, MW-33TZ, MW-34S, MW-34TZ, MW-39S, MW-39BR, MW-41S, and MW-41BR.

- Collected groundwater samples from MW-02BR for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.

- An additional well cluster to the north and west of the MW-29 cluster is being considered and work to secure Right of Entry to the property is underway.

Bedrock Characterization (Section 4.7 of the RIWP-A)

- Drilled out surface casings for monitoring wells MW-02BR, MW-21BR, MW-34BR, and MR-39BR to facilitate borehole geophysics.

- Performed borehole geophysics in monitoring well MW-02BR, MW-21BR, MW-34BR, and MW-39 BR boreholes.

Groundwater Monitoring (Section 4.8 of the RIWP-A)

- Downloaded water level data from data loggers installed in monitoring wells in the MGP Source Area (MW-26 and MW-27), Vaughn Landfill (MW-03BR and MW-20), and along the Reedy River/Swamp Rabbit Trail (MW-31S and MW-31TZ).

IDW Management (Section 4.10 of the RIWP-A)

- Investigation derived waste (IDW) including drill cuttings, decontamination fluids, development water, and purge water were removed from the site by VLS Recovery Services (VLS) for proper off-site disposal.

Summary of Test and Sampling Results Generated During Reporting Period

A summary of the test and sampling results for work performed during the fourth quarter (October 1 through December 31, 2019) is provided below:

- Results of the geophysical investigation are provided in Attachment C. Results of the geophysical investigation were used to determine soil boring, test pit, and monitoring well locations.

- NAPL was not observed in over 90% of soil borings drilled during the MGP source area soil screening and sampling. Seams of tar like material (TLM) were observed in native materials in soil borings SA-SB-14, SA-SB-22, SA-SB-30, and SA-SB-42 (**Figure 2**, Attachment A). Boring logs will be prepared and included in the Groundwater Remedial Investigation (RI) Report.

- Analytical data for RIWP-A environmental samples collected to date have been reviewed for quality and completeness and approved for release by the qualified laboratory performing the analysis. Full data validation in accordance with Section 6 of the the September 2018 Quality Assurance Project Plan (QAPP) will be conducted prior to submittal of the RI Report.

- Analytical results for samples collected from soil borings SA-SB-1 through SA-SB-47 are listed in **Table 1** (Attachment B). The laboratory analytical report is provided in Attachment D.

- Analytical results for the PSG samples (**Figure 2**, Attachment A) are listed in **Table 2** (Attachment B). The laboratory analytical report is provided in Attachment E.

- No occurrence of NAPL was noted in test pits (**Figure 2**, Attachment A). Both fill (including thermally treated soil) and native materials were encountered during test pit excavation. A description of the materials encountered in each of the 16 test pits is listed in **Table 3** (Attachment B).

- NAPL was observed in one or more of the deep soil borings drilled in the MGP source area on Parcels 1 and 2 (**Figure 2**, Attachment A). NAPL veins (up to one inch thick) were encountered in soil borings RI-SB-4 and RI-SB-6. NAPL staining was observed in sand at soil borings RI-SB-8 and RI-SB-9. Boring logs will be prepared and included in the RI Report.

- Construction details for monitoring wells are listed in **Table 4** (Attachment B).

- The laboratory analytical report for the groundwater sample collected from monitoring well MW-02BR on November 25, 2019 is provided in Attachment F. The benzene (1,100 micrograms per liter [µg/L]) and naphthalene (3,900 µg/L) concentrations in the groundwater sample were greater than potentially applicable regulatory criteria listed in the RIWP-A.

- Borehole geophysical logging reports and a full evaluation of the data will be provided with the RI Report.

- Time series hydrographs showing water level data are included for the MGP parcel (**Figure 3**, Attachment A), adjacent to the Reedy River (**Figure 4**, Attachment A), and the Vaughn landfill (**Figure 5**, Attachment A). Observations from the data include:

    - Vertical gradients within the MW-26/MW-27 well cluster on the MGP parcel and MW-20/MW-03BR cluster in the Vaughn Landfill are generally slightly downward.

    - Vertical gradients within the MW-31S/MW-31TZ well cluster are minimal and vary from upward to downward.

- Vertical gradient information suggests the Reedy River can act as a gaining stream or a losing stream based on precipitation and ground saturation.

Environmental Problems Identified During Reporting Period and Their Resolution

Environmental conditions encountered during implementation of the July 2019 RIWP-A which resulted in variation from the proposed scope of work included:

- The transition zone at the MW-21 and MW-39 locations on Parcel 3 at the south end of the Vaughn Landfill (**Figure 1**, Attachment A) was insufficient in thickness for installing a well. Therefore, a lower bedrock well will be installed instead of the transition zone well at each of these locations.

- The original location along the Swamp Rabbit Trail proposed for MW-40TZ and MW-40BR could not be accessed. Therefore, these wells will be installed on the east side of the railroad tracks adjacent to Parcel 4 (**Figure 1**, Attachment A).

Work to be Performed During the Next Reporting Period (First Quarter 2020)

The following activities are scheduled to be conducted in accordance with Section 4 of the RIWP-A during the first quarter of 2020 (January 1 through March 31, 2020). The proposed schedule is subject to change based on 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.

- Complete off-site soil borings adjacent to Parcel 3 – January 2020

- Complete monitoring well installation and development – January and February 2020

- Conduct borehole geophysics at bedrock monitoring well locations – January and February 2020

- Survey location and elevation of monitoring wells and soil borings – March 2020

- Slug testing of newly installed monitoring wells – March 2020

- Measure water levels in all monitoring wells, staff gages, and on-site river gaging locations – March 2020

- Collect groundwater samples from all monitoring wells – March 2020

- Conduct surface water and sediment sampling – March 2020

- IDW disposal – Periodically and upon completion of the field program

- Abandon monitoring wells MW-23 and MW-24 in accordance with South Carolina Well Standards R. 61-71(**Figure 1**, Attachment A) – when weather, ground conditions, and surface water extent in the flood plain permit

- Download and monitor water level transducers/data loggers in monitoring wells and Reedy River stage from a United States Geological Survey (USGS) stream gaging station located downstream of the site – Monthly

- Conduct data validation in accordance with Section 6 of the September 2018 QAPP – June 2020

- Initiate preparation of RI Report or additional RIWP-A, as appropriate, based on data collected during implementation of the July 2019 RIWP-A – June 2020

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.
Senior Environmental Specialist

cc: Kevin Boland, CSXT
Daniel Schmitt, Esq., CSXT
Ty Houck, Greenville County
Mike Ruhe, Duke Energy Carolinas, LLC
Todd Plating, SynTerra

Enclosures:

Attachment A – Figures

Figure 1 – RIWP-A Monitoring Well Installation Progress as of 12/31/19

Figure 2 – RIWP-A Source Area Verification Soil Sampling

Figure 3 – Time Series Hydrographs – MGP Parcel

Figure 4 – Time Series Hydrographs – Reedy River

Figure 5 – Time Series Hydrographs – Vaughn Landfill

Attachment B – Tables

Table 1 – Analyses Results for Samples Collected from MGP Source Area Soil Borings

Table 2 – Summary of Compound Detections for PSG Samples

Table 3 – Materials Encountered in Test Pits

Table 4 – Monitoring Well Construction Details

Attachment C – Results of Geophysical Investigation

Attachment D – Laboratory Analytical Report for MGP Source Area Soil Samples

Attachment E – Laboratory Analytical Report for PSG Samples

Attachment F – Laboratory Analytical Report for Groundwater Sample (MW-02BR)

ATTACHMENT A
FIGURES

DRAFT WORK PRODUCT

NOTES:

[1] ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

[2] SURFACE WATER LOCATIONS, FORMER DRAINAGE DITCHES, EXCAVATION AREA, AND VAUGHN LANDFILL BOUNDARY FROM ERM GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APRIL 13, 2018. THESE LAYERS ARE GEOREFERENCED AND APPROXIMATE.

[3] MONITORING WELL LOCATIONS ARE APPROXIMATE. WELL LOCATIONS WILL BE SURVEYED FOLLOWING COMPLETION OF ALL MONITORING WELLS.

[4] BEDROCK WELLS WILL BE OVERDRILLED 50-100 FEET TO FACILITATE BOREHOLE GEOPHYSICAL METHODS.

[5] TOPOGRAPHIC CONTOURS FOR GREENVILLE COUNTY FROM SC DNR (2013).

[6] PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.

[7] WETLANDS (USFWS) BY US FISH AND WILDLIFE NATIONAL WETLAND INVENTORY. WETLANDS (AES) DELINEATED BY APPLIED ENGINEERING AND SCIENCE, INC. IN 1999.

[8] SWAMP RABBIT TRAIL CENTERLINE FROM CITY OF GREENVILLE.

[9] AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH PRO ON MAY 3, 2019. AERIAL WAS COLLECTED ON MARCH 12, 2018.

[10] DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83 INTERNATIONAL FEET).

EXCAVATION AREA (2001-2002)
PARCEL 1
PARCEL 2
PARCEL 3
PARCEL 4
PARCEL 5
MW-36TZ
MW-36S
MW-36BR
MW-37S
MW-37TZ
MW-37BR
MW-42S
MW-42TZ
MW-42BR
MW-35S
MW-35TZ
MW-35BR
MW-33S
MW-33TZ
MW-34S
MW-34TZ
MW-34BR
MW-29BR
MW-41S
MW-41TZ
MW-41BR
MW-02TZ
MW-02BR
BEAVER DAM EXCAVATION
MW-03BRL
MW-30TZ
VAUGHN LANDFILL
MW-32S
MW-32TZ
MW-39S
MW-39BR
MW-39BRL
MW-21BR
MW-21BRL
MW-38S
MW-38TZ
REEDY RIVER
MW-40TZ
MW-40BR
W WASHINGTON ST
WALNUT DR
TEMPLE ST
ELMORE ST
CAGLE ST
REACH ST
OWENS ST

LEGEND

- WELL COMPLETE AS OF 12/31/19
- SURFACE CASING INSTALLED BUT WELL NOT COMPLETE AS OF 12/31/19
- WELL NOT COMPLETE AS OF 12/31/19
- MONITORING WELL IN SHALLOW ZONE
- MONITORING WELL IN TRANSITION ZONE
- MONITORING WELL IN BEDROCK ZONE
- AREA OF ADDITIONAL ENVIRONMENTAL MEDIA INVESTIGATIONS (SCOPE OF SAMPLING TO BE DETERMINED AT A LATER DATE)
- BEAVER DAM EXCAVATION
- TOPOGRAPHIC CONTOUR (10' INTERVAL)
- TOPOGRAPHIC CONTOUR (2' INTERVAL)
- FORMER DRAINAGE DITCH (1964)
- ROAD
- SWAMP RABBIT TRAIL
- RAILROAD
- BUILDING
- EXCAVATED AREA (2001-2002)
- VAUGHN LANDFILL BOUNDARY
- HYDROLOGY
- PARCEL BOUNDARY
- WETLANDS (AES)
- WETLANDS (USFWS)

synTerra

DUKE ENERGY CAROLINAS

125 0 125 250
GRAPHIC SCALE IN FEET

148 RIVER STREET, SUITE 220
GREENVILLE, SOUTH CAROLINA 29601
PHONE 864-421-9999
www.synterracorp.com

DRAWN BY: T. KING
PROJECT MANAGER: T. PLATING
CHECKED BY: T. PLATING
DATE: 01/02/2020

FIGURE 1
RIWP-A MONITORING WELL INSTALLATION PROGRESS AS OF 12/31/19
FORMER BRAMLETTE MGP SITE
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA

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DRAFT WORK PRODUCT

NOTES:

[1] SOIL BORING AND TEST PIT LOCATIONS ARE BASED ON GPS COORDINATES AND ARE APPROXIMATE.

[2] PASSIVE SOIL GAS SURVEY LOCATIONS ARE LOCATED WITHIN 7 FEET OF NEAR SURFACE SOIL BORINGS.

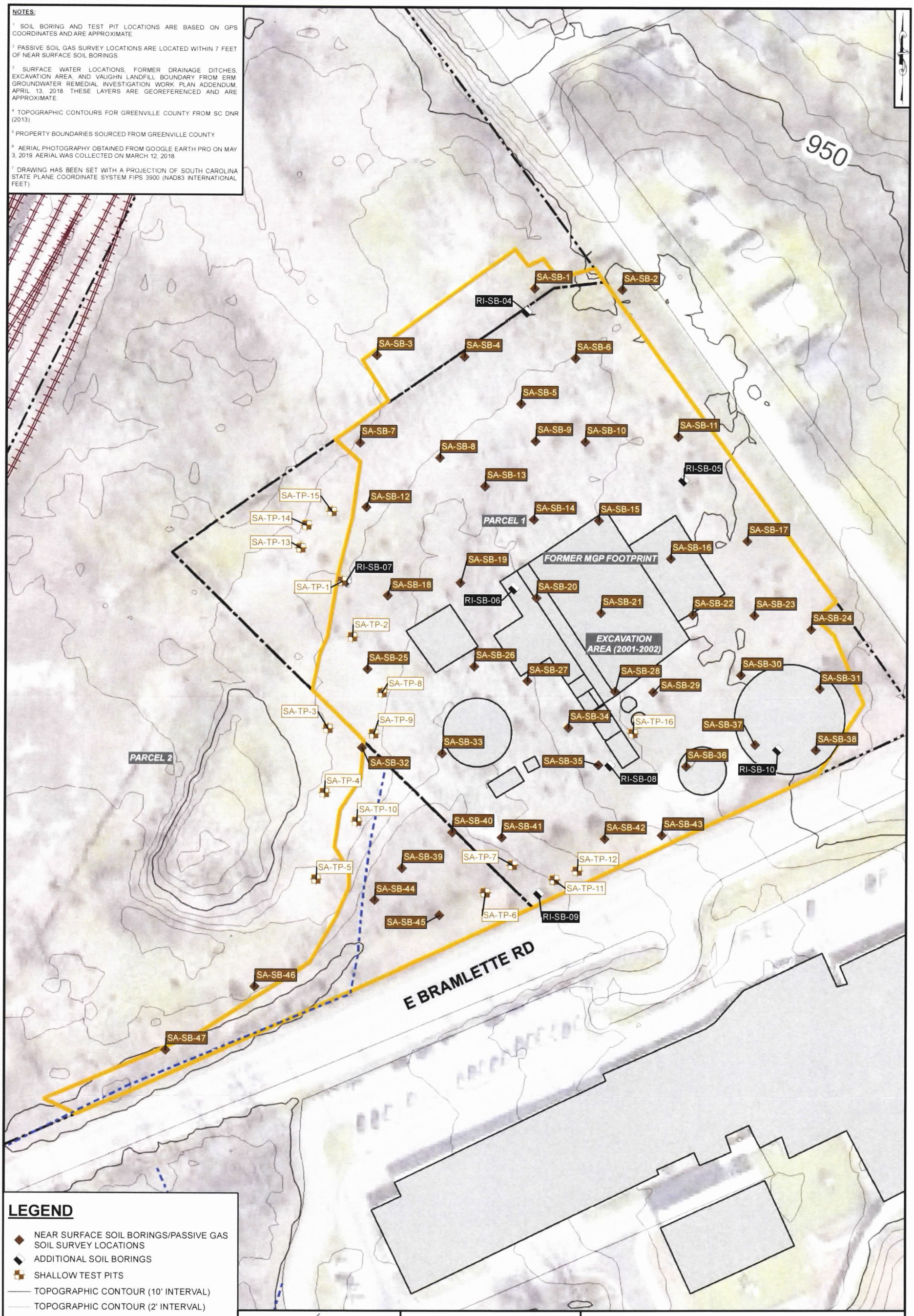
[3] SURFACE WATER LOCATIONS, FORMER DRAINAGE DITCHES, EXCAVATION AREA, AND VAUGHN LANDFILL BOUNDARY FROM ERM GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APRIL 13, 2018. THESE LAYERS ARE GEOREFERENCED AND ARE APPROXIMATE.

[4] TOPOGRAPHIC CONTOURS FOR GREENVILLE COUNTY FROM SC DNR (2013).

[5] PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.

[6] AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH PRO ON MAY 3, 2019. AERIAL WAS COLLECTED ON MARCH 12, 2018.

[7] DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83 INTERNATIONAL FEET).



LEGEND

- NEAR SURFACE SOIL BORINGS/PASSIVE GAS SOIL SURVEY LOCATIONS
- ADDITIONAL SOIL BORINGS
- SHALLOW TEST PITS
- TOPOGRAPHIC CONTOUR (10' INTERVAL)
- TOPOGRAPHIC CONTOUR (2' INTERVAL)
- FORMER AND/OR CURRENT DRAINAGE DITCH (1964)
- ROAD
- RAILROAD
- BUILDING
- EXCAVATED AREA (2001-2002)
- PARCEL BOUNDARY

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FIGURE 2
RIWP-A SOURCE AREA VERIFICATION SOIL SAMPLING
FORMER BRAMLETTE MGP SITE
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA

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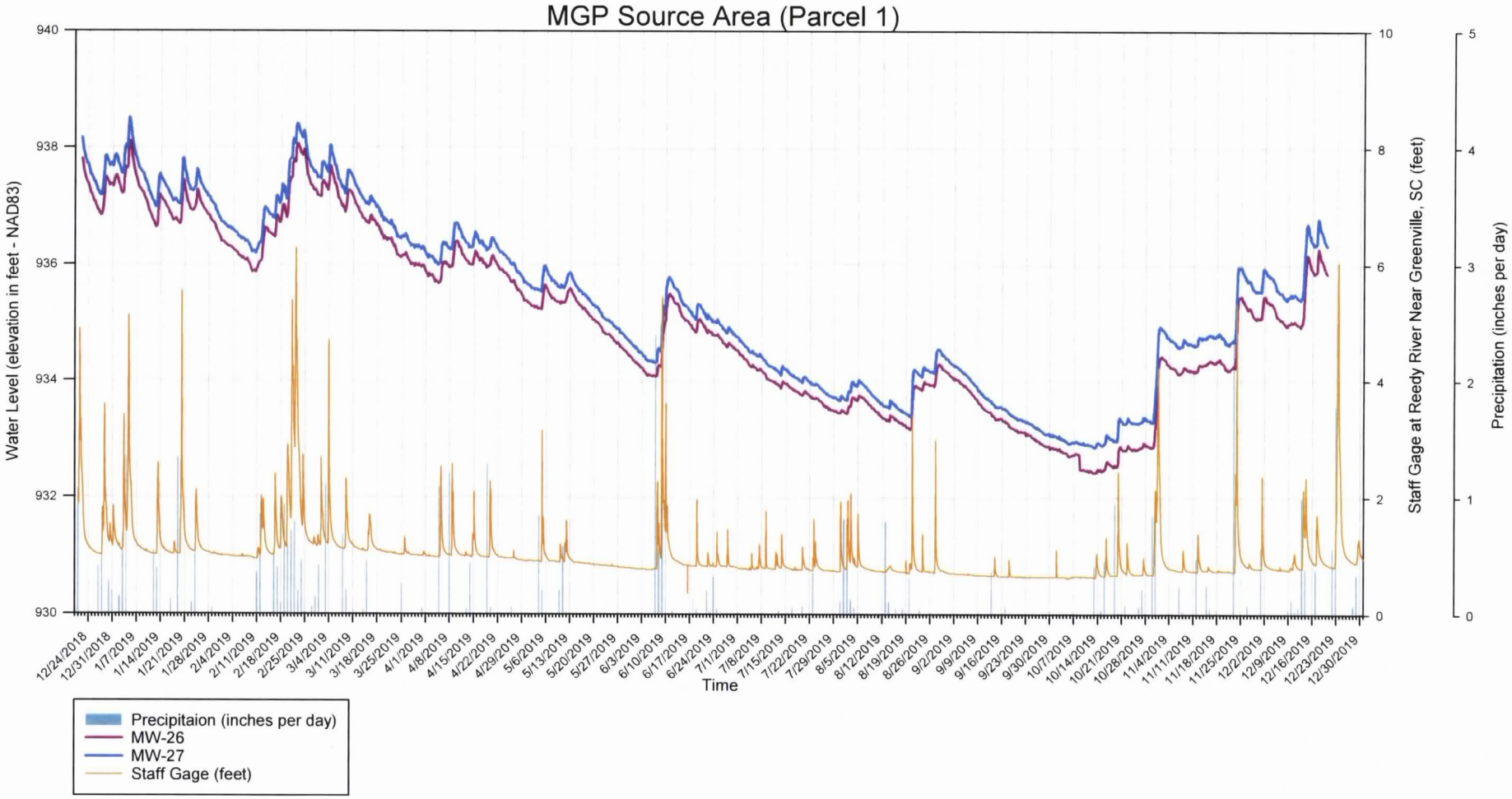

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FIGURE 3
MGP SOURCE AREA (PARCEL 1) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
DUKE ENERGY CAROLINAS, LLC, GREENVILLE, SC

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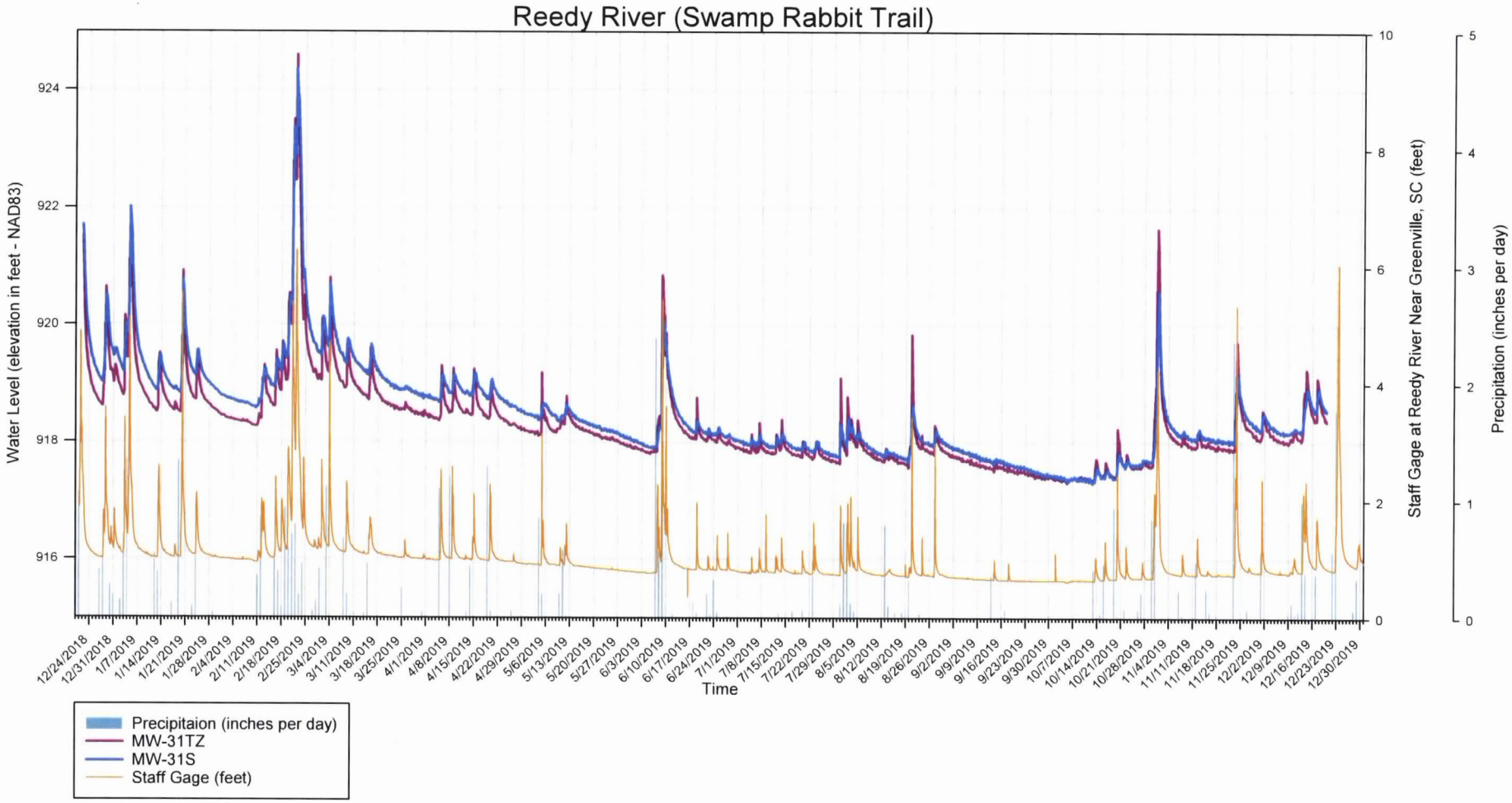

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FIGURE 4
REEDY RIVER (SWAMP RABBIT TRAIL) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
DUKE ENERGY CAROLINAS, LLC, GREENVILLE, SC

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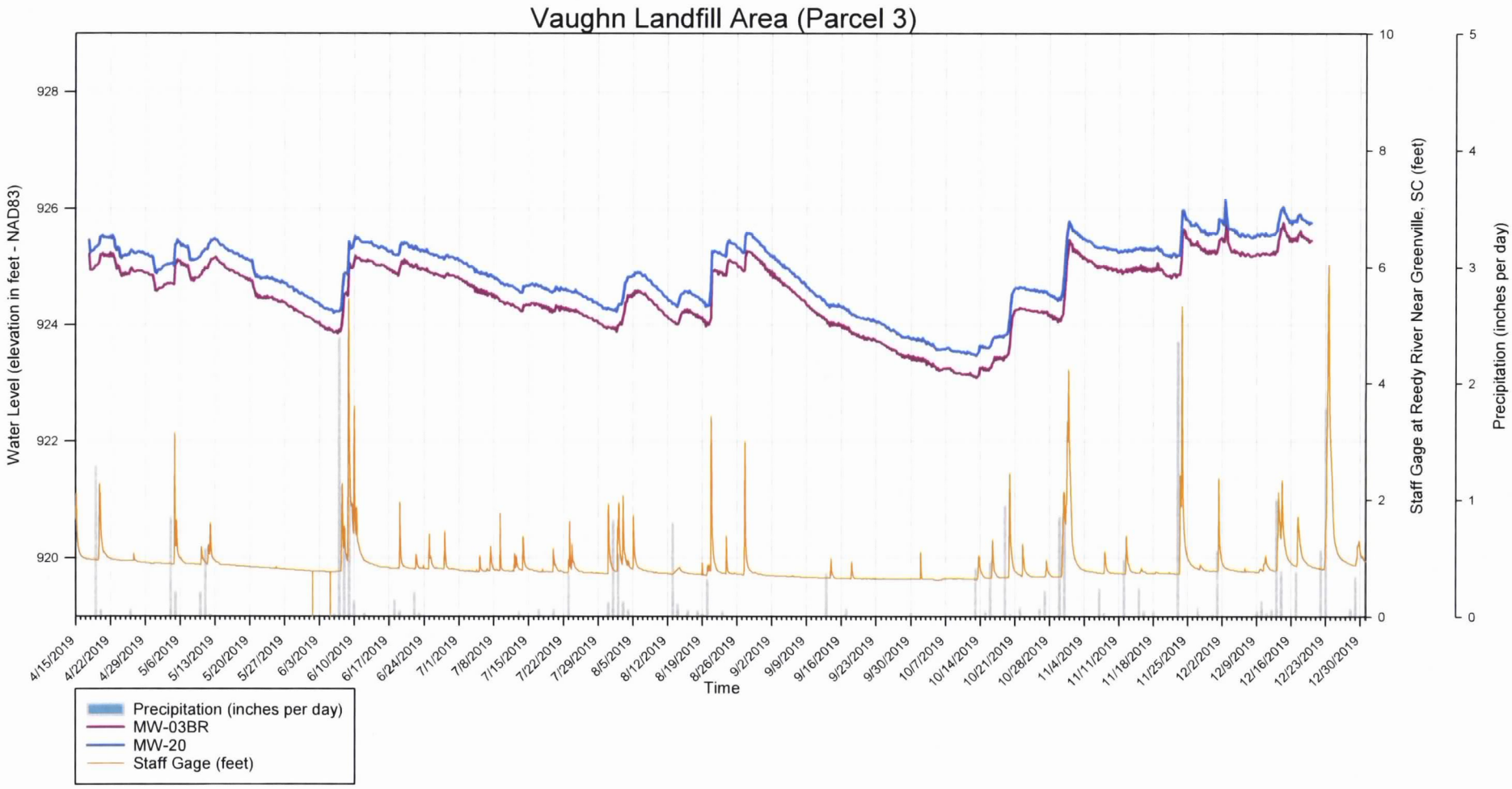

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FIGURE 5
VAUGHN LANDFILL AREA (PARCEL 3) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
DUKE ENERGY CAROLINAS, LLC, GREENVILLE, SC

ATTACHMENT B
TABLES

TABLE 1
ANALYSES RESULTS FOR SAMPLES COLLECTED FROM MGP SOURCE AREA SOIL BORINGS
QUARTERLY PROGRESS REPORT - FOURTH QUARTER 2019
FORMER BRAMLETTE MGP SITE
GREENVILLE, SOUTH CAROLINA
VCC 16-5857-RP

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	Laboratory Method	ASTM D2974-97	8260B (VOA and MTBE)							8260B (Other VOC)						8270D (PAH)		
	Analytical Parameter	Percent Moisture	Benzene	Ethylbenzene	Toluene	Xylene m&p-Xylene	Xylene o-Xylene	Xylene (Total)	MTBE	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Acetone	Methylene Chloride	p-Isopropyltoluene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
	Reporting Units	%	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
	EPA RSL for Industrial Soil	NE	5100	25000	47000000	2400000	2800000	2500000	210000	NE	1800000	1500000	670000000	1000000	NE	17000	73000	3000000
Sample ID	Sample Collection Date	Analytical Results	Analytical Results							Analytical Results						Analytical Results		
SA-SB-01 (0.5-1.0)	11/15/2019	14.7	<5.3	<5.3	<5.3	<10.7	<5.3	<10.7	<5.3	<5.3	<5.3	<5.3	<107	<21.4	<5.3	<5.3	**32.8**	**44.7**
SA-SB-01 (5.5-6.0)	11/15/2019	19.7	<6.3	<6.3	<6.3	<12.6	<6.3	<12.6	<6.3	<6.3	<6.3	<6.3	<126	<25.3	<6.3	<6.3	<12.3	<12.3
SA-SB-02 (0.5-1.0)	11/12/2019	18	**<6.7**	<6.7	<6.7	<13.4	<6.7	<13.4	<6.7	<6.7	<6.7	<6.7	<134	<26.8	<6.7	<6.7	**1.1 j**	**1.7 j**
SA-SB-02 (5.5-6.0)	11/12/2019	18.8	<6.8	<6.8	<6.8	<13.6	<6.8	<13.6	<6.8	<6.8	<6.8	<6.8	<136	<27.2	<6.8	<6.8	**35.3**	**77.6**
SA-SB-03 (0.5-1.0)	11/15/2019	15.1	<5.1	<5.1	<5.1	<10.3	<5.1	<10.3	<5.1	<5.1	<5.1	<5.1	<103	<20.5	<5.1	<5.1	**11.3 j**	**16.4**
SA-SB-03 (5.5-6.0)	11/15/2019	21	<6	<6	<6	<12	<6	<12	<6	<6	<6	<6	<120	<24.1	<6	<6	**12 j**	**16.9**
SA-SB-04 (0.5-1.0)	11/13/2019	14.7	<4.6	<4.6	<4.6	<9.2	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	<91.6	<18.3	<4.6	<4.6	**104**	**153**
SA-SB-04 (5.5-6.0)	11/13/2019	11.5	<4.4	<4.4	<4.4	<8.7	<4.4	<8.7	<4.4	<4.4	<4.4	<4.4	<87.1	<17.4	<4.4	<4.4	NA	NA
SA-SB-05 (0.5-1.0)	11/12/2019	13.3	<4.3	<4.3	<4.3	<8.6	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	<86.2	<17.2	<4.3	<4.3	**49.3**	**57.5**
SA-SB-05 (5.5-6.0)	11/12/2019	12.6	<4.5	<4.5	<4.5	<9	<4.5	<9	<4.5	<4.5	<4.5	<4.5	<90.5	<18.1	<4.5	<4.5	**40.1**	**53.1**
SA-SB-06 (0.5-1.0)	11/12/2019	18.7	<111	<111	<111	<222	<111	<222	<111	<111	<111	<111	<2220	<444	<111	<111	**7.3 j**	**11.6 j**
SA-SB-06 (5.5-6.0)	11/12/2019	14.3	<4.9	<4.9	<4.9	<9.8	<4.9	<9.8	<4.9	<4.9	<4.9	<4.9	**10.1 j**	<19.5	<4.9	<4.9	**39.5**	**54.2**
SA-SB-07 (0.5-1.0)	11/13/2019	15.1	<5.8	<5.8	<5.8	<11.5	<5.8	<11.5	<5.8	<5.8	<5.8	<5.8	<115	<23	<5.8	<5.8	**71.3**	**90.4**
SA-SB-07 (5.5-6.0)	11/13/2019	13.8	<4.5	<4.5	<4.5	<9	<4.5	<9	<4.5	<4.5	<4.5	<4.5	<89.8	<18	<4.5	<4.5	**107**	**156**
SA-SB-08 (0.5-1.0)	11/13/2019	15.4	<4.7	<4.7	<4.7	<9.3	<4.7	<9.3	<4.7	<4.7	<4.7	<4.7	<93.3	<18.7	<4.7	<4.7	**70.1**	**101**
SA-SB-08 (5.5-6.0)	11/13/2019	13	<4.8	<4.8	<4.8	<9.6	<4.8	<9.6	<4.8	<4.8	<4.8	<4.8	<96	<19.2	<4.8	<4.8	**186**	**295**
SA-SB-09 (0.5-1.0)	11/13/2019	18.6	<4.8	<4.8	<4.8	<9.5	<4.8	<9.5	<4.8	<4.8	<4.8	<4.8	<95.4	<19.1	<4.8	<4.8	**43.7**	**57.8**
SA-SB-09 (5.5-6.0)	11/13/2019	15.9	**71.1 j**	<116	<116	<233	<116	<233	<116	<116	<116	<116	<2330	<465	<116	**829**	**24.5**	**41.1**
SA-SB-10 (0.5-1.0)	11/12/2019	20.8	<149	<149	<149	<298	<149	<298	<149	<149	<149	<149	<2980	<596	<149	<149	**19.2**	**22.4**
SA-SB-10 (5.5-6.0)	11/12/2019	12.7	<4	<4	<4	<8	<4	<8	<4	<4	<4	<4	**8.1 j**	<16	<4	<4	**208**	**278**
SA-SB-11 (0.5-1.0)	11/12/2019	22.1	<5.4	<5.4	<5.4	<10.8	<5.4	<10.8	<5.4	<5.4	<5.4	<5.4	<108	<21.6	<5.4	**10.3 j**	**2.8 j**	**4.3 j**
SA-SB-11 (5.5-6.0)	11/12/2019	10.2	<4.4	<4.4	<4.4	<8.9	<4.4	<8.9	<4.4	<4.4	<4.4	<4.4	**22.5 j**	<17.7	<4.4	<4.4	**9.6 j**	**13.5**
SA-SB-12 (0.5-1.0)	11/14/2019	14.6	<4.6	<4.6	<4.6	<9.2	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	<92.2	<18.4	<4.6	<4.6	**63.5**	**86.6**
SA-SB-12 (5.5-6.0)	11/14/2019	13.7	<226	<226	<226	<451	<226	<451	<226	<226	<226	<226	<4510	**810 j**	<226	**66.1 j**	**12.3**	**18.8**
SA-SB-13 (0.5-1.0)	11/13/2019	16.5	<4.9	<4.9	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<4.9	<4.9	<97	<19.4	<4.9	<4.9	**24.2**	**32.1**
SA-SB-13 (5.5-6.0)	11/13/2019	17.6	<4.7	<4.7	<4.7	<9.3	<4.7	<9.3	<4.7	<4.7	<4.7	<4.7	<93.3	<18.7	<4.7	<4.7	**199**	**289**
SA-SB-14 (0.5-1.0)	11/13/2019	16	<5.3	<5.3	<5.3	<10.5	<5.3	<10.5	<5.3	<5.3	<5.3	<5.3	<105	<21	<5.3	<5.3	**38.5**	**50**
SA-SB-14 (5.5-6.0)	11/13/2019	12	<1130	<1130	<1130	<2250	<1130	<2250	<1130	<1130	**1060 j**	**428 j**	<22500	<4510	<1130	**27300 M1**	**3380**	**6460**
SA-SB-15 (0.5-1.0)	11/12/2019	17.9	<4.5	<4.5	<4.5	<8.9	<4.5	<8.9	<4.5	<4.5	<4.5	<4.5	**103**	<17.9	<4.5	<4.5	**47**	**63.2**
SA-SB-15 (5.5-6.0)	11/12/2019	18.3	<4.7	<4.7	<4.7	<9.3	<4.7	<9.3	<4.7	<4.7	<4.7	<4.7	<93	<18.6	<4.7	<4.7	**97.5**	**134**
SA-SB-16 (0.5-1.0)	11/12/2019	15.1	<5.6	<5.6	<5.6	<11.1	<5.6	<11.1	<5.6	<5.6	<5.6	<5.6	**123**	<22.2	<5.6	<5.6	**26.3**	**35.6**
SA-SB-16 (5.5-6.0)	11/12/2019	17.1	<3.8	<3.8	<3.8	<7.5	<3.8	<7.5	<3.8	<3.8	<3.8	<3.8	**69.9 j**	<15.1	<3.8	<3.8	**18.8**	**26.6**
SA-SB-17 (0.5-1.0)	11/12/2019	32.6	<147	<147	<147	<294	<147	<294	<147	<147	<147	<147	<2940	**628**	<147	**85.2 j**	**1.3 j**	**2 j**
SA-SB-17 (5.5-6.0)	11/12/2019	10.4	<4.2	<4.2	<4.2	<8.4	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	**30.9 j**	<16.8	<4.2	3.2 j	**2.1 j**	**2.9 j**
SA-SB-18 (0.5-1.0)	11/14/2019	14.6	<5.1	<5.1	<5.1	<10.2	<5.1	<10.2	<5.1	<5.1	<5.1	<5.1	<102	<20.3	<5.1	<5.1	**48.8**	**69.7**
SA-SB-18 (5.5-6.0)	11/14/2019	13.8	<4.8	<4.8	<4.8	<9.7	<4.8	<9.7	<4.8	<4.8	<4.8	<4.8	<96.9	<19.4	<4.8	<4.8	**110**	**178**
SA-SB-19 (0.5-1.0)	11/14/2019	16.6	<141	<141	<141	<282	<141	<282	<141	<141	<141	<141	<2820	<565	<141	**40.2 j**	**3 j**	**4.9 j**
SA-SB-19 (5.5-6.0)	11/14/2019	15.8	<4.9	<4.9	<4.9	<9.9	<4.9	<9.9	<4.9	<4.9	<4.9	<4.9	<98.8	<19.8	<4.9	<4.9	**56.3**	**88.2**
SA-SB-20 (0.5-1.0)	11/13/2019	13.1	<5.7	<5.7	<5.7	<11.4	<5.7	<11.4	<5.7	<5.7	<5.7	<5.7	<114	<22.8	<5.7	<5.7	**20.8**	**29.2**
SA-SB-20 (5.5-6.0)	11/13/2019	12.2	<4	<4	<4	<8	<4	<8	<4	<4	<4	<4	<80.5	<16.1	<4	**1.9 j**	**0.83 j**	**0.95 j**
SA-SB-21 (0.5-1.0)	11/13/2019	14.4	<4.2	<4.2	<4.2	<8.3	<4.2	<8.3	<4.2	<4.2	<4.2	<4.2	<83	<16.6	<4.2	<4.2	**25.3**	**35.6**
SA-SB-21 (5.5-6.0)	11/13/2019	14.9	<3.3	<3.3	<3.3	<6.5	<3.3	<6.5	<3.3	<3.3	<3.3	<3.3	<65.1	<13	<3.3	<3.3	**12.7**	**17.4**
SA-SB-22 (0.5-1.0)	11/13/2019	13.5	<5.4	<5.4	<5.4	<10.8	<5.4	<10.8	<5.4	<5.4	<5.4	<5.4	<108	<21.6	<5.4	<5.4	**16.9**	**26**
SA-SB-22 (5.5-6.0)	11/13/2019	15	<4.2	<4.2	<4.2	<8.5	<4.2	<8.5	<4.2	<4.2	<4.2	<4.2	**10.6 j**	<16.9	<4.2	**6.2 j**	**2 j**	**2 j**
SA-SB-23 (0.5-1.0)	11/12/2019	18	<5.3	<5.3	<5.3	<10.7	<5.3	<10.7	<5.3	<5.3	<5.3	<5.3	**81.2 j**	<21.3	<5.3	**10.6 j**	**4.6 j**	**7 j**
SA-SB-23 (5.5-6.0)	11/12/2019	15.4	<5.2	<5.2	<5.2	<10.4	<5.2	<10.4	<5.2	<5.2	<5.2	<5.2	<104	<20.9	<5.2	<5.2	<11.8	<11.8
SA-SB-24 (0.5-1.0)	11/12/2019	19.6	<4	<4	<4	<8	<4	<8	<4	<4	<4	<4	<80.5	<16.1	<4	<4	<12.5	<12.5
SA-SB-24 (5.5-6.0)	11/12/2019	18.9	<4.4	<4.4	<4.4	<8.8	<4.4	<8.8	<4.4	<4.4	<4.4	<4.4	<87.7	<17.5	<4.4	<4.4	<12.2	<12.2
SA-SB-25 (0.5-1.0)	11/14/2019	17.8	<4.6	<4.6	<4.6	<9.2	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	<91.8	<18.4	<4.6	<4.6	**14.6**	**21.5**
SA-SB-25 (5.5-6.0)	11/14/2019	17.5	<4.8	<4.8	<4.8	<9.6	<4.8	<9.6	<4.8	<4.8	<4.8	<4.8	<95.6	<19.1	<4.8	**2.3 j,B**	**58.9**	**87.4**
SA-SB-26 (0.5-1.0)	11/14/2019	22.6	<153	<153	<153	<307	<153	<307	<153	**55.5 j**	<153	<153	<3070	<613	<153	**9.6 j**	**5.9 j**	**7.6 j**
SA-SB-26 (5.5-6.0)	11/14/2019	15	<4.3	<4.3	<4.3	<8.6	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	<86.4	<17.3	<4.3	<4.3	**79.9**	**114**
SA-SB-27 (0.5-1.0)	11/13/2019	18.2	<4.9	<4.9	<4.9	<9.8	<4.9	<9.8	<4.9	<398	<4.9	<4.9	<97.5	<19.5	<4.9	**9.6 j**	**5.8 j**	**8.2 j**
SA-SB-27 (5.5-6.0)	11/13/2019	14.9	<4.5	<4.5	<4.5	<9.1	<4.5	<9.1	<4.5	<392	<4.5	<4.5	<90.9	<18.2	<4.5	<4.5	**69.9 M1**	**83.2 M1**
SA-SB-28 (0.5-1.0)	11/13/2019	14.8	<4.3	<4.3	<4.3	<8.6	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	<86.5	<17.3	<4.3	<4.3	**13**	**19.2**
SA-SB-28 (5.5-6.0)	11/13/2019	16.7	<4.5	<4.5	<4.5	<9.1	<4.5	<9.1	<4.5	<4.5	<4.5	<4.5	<91	<18.2	<4.5	**4.7 j**	**3 j**	**2 j**
SA-SB-29 (0.5-1.0)	11/13/2019	13.7	<4.4	<4.4	<4.4	<8.8	<4.4	<8.8	<4.4	<4.4	<4.4	<4.4	<88.3	<17.7	<4.4	<4.4	**24.6**	**35.3**
SA-SB-29 (5.5-6.0)	11/13/2019	16.1	<4.3	<4.3	<4.3	<8.6	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	**23.8 j**	<17.1	<4.3	**7.3 j**	**1.8 j**	**3.2 j**
SA-SB-30 (0.5-1.0)	11/13/2019	5.4	<3.9	<3.9	<3.9	<7.8	<3.9	<7.8	<3.9	<3.9	<3.9	<3.9	<78.4	<15.7	<3.9	**3.2 j**	**1.1 j**	**1.7 j**
SA-SB-30 (5.5-6.0)	11/13/2019	19.9	<4.1	<4.1	<4.1	<8.1	<4.1	<8.1	<4.1	<4.1	<4.1	<4.1	**18.2 j**	<16.3	<4.1	**1.3 j,B**	<12.5	<12.5
SA-SB-31 (0.5-1.0)	11/12/2019	14.3	<107	<107	<107	<214	<107	<214	<107	<107	<107	<107	<2140	**502**	<107	<107	<11.6	<11.6
SA-SB-31 (5.5-6.0)	11/12/2019	20.6	<4.8	<4.8	<4.8	<9.6	<4.8	<9.6	<4.8	<4.8	<4.8	<4.8	<95.8	<19.2	<4.8	<4.8	<12.6	<12.6
SA-SB-32 (0.5-1.0)	11/14/2019	11.1	<4.2	<4.2	<4.2	<8.5	<4.2	<8.5	<4.2	<4.2	<4.2	<4.2	**69.9 j**	<17	<4.2	<4.2	<11.3	<11.3
SA-SB-32 (5.5-6.0)	11/14/2019	13.4	<4.8	<4.8	<4.8	<9.6	<4.8	<9.6	<4.8	<4.8	<4.8	<4.8	**43.7 j**	<19.2	<4.8	**5.1 j**	**1.9 j**	**3 j**
SA-SB-33 (0.5-1.0)	11/14/2019	18.3	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<100	<20	<5	<5	**11.7 j**	**17.2**
SA-SB-33 (5.5-6.0)	11/14/2019	15	<130	<130	<130	<261	<130	<261	<130	<130	<130	<130	<2610	<521	<130	**116 M1**	**45.3 M1**	**71.3 M1**
SA-SB-34 (0.5-1.0)	11/14/2019	15.5	<5.5	<5.5	<5.5	<11	<5.5	<11	<5.5	<5.5	<5.5	<5.5	<110	<22	<5.5	<5.5	**24.6**	**35.4**
SA-SB-34 (5.5-6.0)	11/14/2019	16.7	<4.5	<4.5	<4.5	<9	<4.5	<9	<4.5	<4.5	<4.5	<4.5	<90	<18	<4.5	<4.5	**182**	**266**

DRAFT WORK PRODUCT

TABLE 1
ANALYSES RESULTS FOR SAMPLES COLLECTED FROM MGP SOURCE AREA SOIL BORINGS
QUARTERLY PROGRESS REPORT - FOURTH QUARTER 2019
FORMER BRAMLETTE MGP SITE
GREENVILLE, SOUTH CAROLINA
VCC 16-5857-RP

	Laboratory Method	8270D (PAH)															8270D (Other SVOC)
	Analytical Parameter	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Dibenzofuran
	Reporting Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
	EPA RSL for Industrial Soil	45000000	NE	230000000	NE	2100	21000	NE	210000	2100000	NE	30000000	30000000	21000	NE	23000000	1000000
Sample ID	Sample Collection Date																Analytical Results
SA-SB-01 (0.5-1.0)	11/15/2019	3.5 j	<11.8	27.6	36.2	25.8	53.6	34.7	16.4	52.5	8.3 j	121	8.4 j	24.7	169	71.9	<383
SA-SB-01 (5.5-6.0)	11/15/2019	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<407
SA-SB-02 (0.5-1.0)	11/12/2019	<12.2	0.6 j	2.4 j	7.2 j	7.7 j	9.9 j	6.5 j	4.3 j	6.7 j	1.4 j	11.9 j	1.1 j	5.1 j	9 j	10.4 j	<397
SA-SB-02 (5.5-6.0)	11/12/2019	4.2 j	<12.2	10 j	8.5 j	6.6 j	18.2	5.9 j	9.9 j	9.1 j	1.5 j	18.2	2.2 j	4.7 j	40.8	15.8	<401
SA-SB-03 (0.5-1.0)	11/15/2019	1.3 j	2.8 j	13	34.1	58.5	79	66.5	23.5	42.7	15.6	54.9	1.6 j	51.6	68	45.5	<391
SA-SB-03 (5.5-6.0)	11/15/2019	<12.5	1.2 j	12.6	21.5	14.6	27.9	15.8	11.3 j	25.4	4 j	52.4	3.3 j	11.4 j	54.3	36.1	<414
SA-SB-04 (0.5-1.0)	11/13/2019	10.1 j	61.9	92.3	204	183	283	164	94.8	220	39.2	326	26.6	129	306	287	98.9 j
SA-SB-04 (5.5-6.0)	11/13/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SA-SB-05 (0.5-1.0)	11/12/2019	<11.4	8.1 j	16.9	35.8	39.9	64.4	52.8	24.1	44.5	11.9	58.6	2.8 j	40.3	70.3	49.2	<381
SA-SB-05 (5.5-6.0)	11/12/2019	<11.5	2.7 j	31.7	54.2	43	77.1	50.1	32.3	68.6	12.4	125	5.4 j	37.7	182	90.2	<371
SA-SB-06 (0.5-1.0)	11/12/2019	0.96 j	2.3 j	8.7 j	14.1	11.1 j	23.1	12.6	8.2 j	18.7	3.3 j	28.3	0.94 j	9.9 j	40.2	21.1	<406
SA-SB-06 (5.5-6.0)	11/12/2019	<11.8	<11.8	27.4	45.9	28.9	56.7	31.6	20	58.1	7.7 j	114	6.2 j	22.1	156	86.5	<388
SA-SB-07 (0.5-1.0)	11/13/2019	<11.7	24.6	49	112	85.1	161	96.2	60.1	133	23.4	197	9.8 j	69.9	227	169	<390
SA-SB-07 (5.5-6.0)	11/13/2019	19	<11.4	227	589	469	893	422	282	668	121	1140	43.3	349	942	814	102 j
SA-SB-08 (0.5-1.0)	11/13/2019	5.7 j	18.4	41.5	104	91.5	170	114	56.2	123	27.5	169	5.7 j	83.9	210	162	<394
SA-SB-08 (5.5-6.0)	11/13/2019	31.4	110	229	418	311	538	244	191	461	70.3	763	59.8	200	880	714	79 j
SA-SB-09 (0.5-1.0)	11/13/2019	15.9	26.1	145	618	673	856	539	369	597	161	785	14.6	464	400	810	<403
SA-SB-09 (5.5-6.0)	11/13/2019	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	7.2 j	<11.8	<387
SA-SB-10 (0.5-1.0)	11/12/2019	<12.6	<12.6	9.1 j	13.8	9.6 j	21.9	11.7 j	5.9 j	20.5	3.3 j	30.6	1.2 j	8.7 j	63.5	24.7	<418
SA-SB-10 (5.5-6.0)	11/12/2019	<11.6	9.2 j	39.6	75.4	72	133	68.8	47.1	99.5	21.2	119	17.5	57.2	224	112	<377
SA-SB-11 (0.5-1.0)	11/12/2019	<12.8	0.85 j	1.7 j	4.5 j	4.1 j	7.7 j	3.8 j	2.8 j	5.4 j	<12.8	7.4 j	<12.8	3.2 j	8.1 j	6.3 j	<417
SA-SB-11 (5.5-6.0)	11/12/2019	1.2 j	2.7 j	8.3 j	14.6	10.9 j	18.7	9.5 j	8 j	18.1	2.7 j	36.9	2.8 j	7.7 j	42	27.6	<361
SA-SB-12 (0.5-1.0)	11/14/2019	10.7 j	86.3	132	212	158	227	110	86.4	203	29.3	443	55.2	89.9	496	391	<390
SA-SB-12 (5.5-6.0)	11/14/2019	2.1 j	4.1 j	17.1	31.2	22.6	42.4	17.9	14.6	38.6	5.4 j	71.3	4.9 j	15.1	88.6	54.7	<381
SA-SB-13 (0.5-1.0)	11/13/2019	<11.9	10.2 j	19.1	43.9	39.1	71.6	39	22.3	55.6	10 j	84	2.8 j	30.5	96.8	72.4	<389
SA-SB-13 (5.5-6.0)	11/13/2019	55.5	51.6	268	368	309	451	231	188	396	69.1	733	95.1	184	928	679	171 j
SA-SB-14 (0.5-1.0)	11/13/2019	6.1 j	10.8 j	32.8	82.3	118	145	161	50.9	102	29.9	171	7.4 j	106	167	142	<393
SA-SB-14 (5.5-6.0)	11/13/2019	173	375	484	214	193	154	82.7	75.4	166	26.3 j	506	708	71.1	1800	744	804
SA-SB-15 (0.5-1.0)	11/12/2019	5.6 j	<12.1	29	62.5	173	159	388	53.7	88.2	69.6	116	4.2 j	272	157	108	<402
SA-SB-15 (5.5-6.0)	11/12/2019	20	79.6	165	185	144	189	92.1	64	180	24.6	430	74.6	74.3	534	354	194 j
SA-SB-16 (0.5-1.0)	11/12/2019	6.8 j	16.2	39.9	86.5	91.5	130	81.1	48.5	99.5	21.5	143	9.6 j	63.5	177	184	<391
SA-SB-16 (5.5-6.0)	11/12/2019	<12.1	3 j	9.2 j	17.7	18.4	24.3	15.5	10.3 j	20.8	3.8 j	35.8	2.4 j	11.7 j	45.7	32.5	<403
SA-SB-17 (0.5-1.0)	11/12/2019	<14.8	<14.8	<14.8	1.4 j	0.89 j	1.9 j	<14.8	0.68 j	1.6 j	<14.8	2.6 j	<14.8	<14.8	5.1 j	1.8 j	<490
SA-SB-17 (5.5-6.0)	11/12/2019	<11.2	0.92 j	1.4 j	3.8 j	4.3 j	8 j	3.3 j	7.5 j	4.6 j	<11.2	7.4 j	<11.2	2.7 j	7.9 j	5.9 j	<373
SA-SB-18 (0.5-1.0)	11/14/2019	18.7	7.6 j	92.4	109	70.8	134	65.6	41.6	131	17.5	249	36.5	46.7	305	242	89.1 j
SA-SB-18 (5.5-6.0)	11/14/2019	24.8	62.7	161	268	227	322	205	130	279	49.4	465	59.8	154	552	435	117 j
SA-SB-19 (0.5-1.0)	11/14/2019	0.61 j	2.6 j	5.8 j,R1	12.5 M1,R1	10.7 j,M1,R1	21 M1,R1	11.4 j,M1,R1	6.5 j,M1,R1	16 M1,R1	3.2 j,M1,R1	23.5 M1,R1	0.82 j	9 j,M1,R1	26	22.5 M1,R1	<398
SA-SB-19 (5.5-6.0)	11/14/2019	16.4	23.7	109	142	125	185	112	77.5	163	28.6	314	37	87	400	277	118 j
SA-SB-20 (0.5-1.0)	11/13/2019	<11.4	7.3 j	14.8	35	33.3	63.9	39.1	18.1	47.9	10 j	66.1	2.1 j	29.8	73.9	53.8	88.6 j
SA-SB-20 (5.5-6.0)	11/13/2019	<11.5	1.9 j	1.3 j	3.8 j	3.9 j	5.1 j	2.4 j	2.2 j	3.9 j	<11.5	6.9 j	<11.5	2.1 j	4 j	6.7 j	<381
SA-SB-21 (0.5-1.0)	11/13/2019	17.2	147	224	372	331	429	252	187	331	50.3	838	97.3	198	791	736	234 j
SA-SB-21 (5.5-6.0)	11/13/2019	6.6 j	3.9 j	22.1	40.2	34	49.8	29.1	21.8	45.6	7.1 j	102	9.7 j	22.6	110	76.1	<389
SA-SB-22 (0.5-1.0)	11/13/2019	2.5 j	4.8 j	22.9	57.6	63.5	112	86.1	38	82.5	19.8	113	2.7 j	63.7	117	90.9	432
SA-SB-22 (5.5-6.0)	11/13/2019	34.2	126	112	94.3	86.4	96.9	53.9	34.1	79.7	12.8	274	120	47	<11.9	222	<382
SA-SB-23 (0.5-1.0)	11/12/2019	0.65 j	6.5 j	8 j	31.2	43.5	58.5	40.8	22.5	34	9.1 j	41.5	1.2 j	32.5	26.9	40.4	<399
SA-SB-23 (5.5-6.0)	11/12/2019	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<397
SA-SB-24 (0.5-1.0)	11/12/2019	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<404
SA-SB-24 (5.5-6.0)	11/12/2019	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<12.2	<400
SA-SB-25 (0.5-1.0)	11/14/2019	2.4 j	15	30.2	76.2	68.8	111	69.2	35.8	82.6	18.2	116	4.5 j	55.8	105	109	<403
SA-SB-25 (5.5-6.0)	11/14/2019	9.9 j	25.3	85.9	136	130	184	125	58.3	146	31.1	243	20.5	97.3	261	221	72 j
SA-SB-26 (0.5-1.0)	11/14/2019	0.66 j	1.9 j	4.1 j	15.5	32	39.3	26.1	13.5	17.2	8.2 j	14.1	1.5 j	23.6	21.1	16.5	<420
SA-SB-26 (5.5-6.0)	11/14/2019	14.5	33.7	85.5	153	118	199	98	69.4	179	26.3	371	36.9	79.1	483	326	80.2 j
SA-SB-27 (0.5-1.0)	11/13/2019	<12.4	2.7 j,M1	3.9 j,M1	9.8 j,M1	9.1 j,M1	14.3 M1	8.5 j,M1,R1	6.1 j,M1	11.8 j,M1	2.3 j,M1	16.5 M1	0.81 j,M1	6.7 j,M1	17.4 M1	15.7 M1	<398
SA-SB-27 (5.5-6.0)	11/13/2019	7.5 j	48.5 M1,R1	40.9 M1	109 M1	104 M1	143 M1	83.4 M1	73.7	119 M1	21.2	178 M1	11.2 j	65.3 M1	166 M1,R1	202 M1	<392
SA-SB-28 (0.5-1.0)	11/13/2019	3.2 j	27.7	45.9	116	102	155	83.3	59.9	122	21.7	222	8.1 j	69.6	158	190	75.6 j
SA-SB-28 (5.5-6.0)	11/13/2019	9.4 j	6.8 j	25.3	51.2	42.1	58	27.1	24	48.7	7.8 j	110	11.1 j	23.7	92.7	90.2	87 j
SA-SB-29 (0.5-1.0)	11/13/2019	3.3 j	28.3	36.9	99.7	83	151	85.5	52.9	110	21.9	163	6.1 j	68.1	143	150	<382
SA-SB-29 (5.5-6.0)	11/13/2019	0.82 j	28.9	16.7	68.9	80.9	100	56.3	45.6	64.5	15.3	90.6	3.4 j	49.5	21.9	101	<396
SA-SB-30 (0.5-1.0)	11/13/2019	0.82 j	24.2	12	36.4	42.8	56.7	34.1	23.3	35.3	8.7 j	51.1	2.1 j	28.7	19.2	54.3	<355
SA-SB-30 (5.5-6.0)	11/13/2019	<12.5	1.7 j	1.2 j	4 j	4.2 j	5.1 j	2.7 j	2.2 j	3.7 j	<12.5	7.4 j	<12.5	2.4 j	1.9 j	6.7 j	<405
SA-SB-31 (0.5-1.0)	11/12/2019	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<11.6	<388
SA-SB-31 (5.5-6.0)	11/12/2019	<12.6	<12.6	1.2 j	<12.6	<12.6	<12.6	<12.6	<12.6	0.62 j	<12.6	6.7 j	0.89 j	<12.6	6.6 j	4.8 j	<413
SA-SB-32 (0.5-1.0)	11/14/2019	<11.3	0.54 j	<11.3	0.83 j	0.72 j	1.1 j	<11.3	<11.3	0.65 j	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<376
SA-SB-32 (5.5-6.0)	11/14/2019	2 j	12.1	12	37.6	36.1	46.7	24	17	35.9	6.6 j	62.6	3.3 j	19.6	31.9	70.3	<385
SA-SB-33 (0.5-1.0)	11/14/2019	2 j	15.3	25	39.6	34.2	54	28	17.7	41.4	7.7 j	84.8	10 j	23.6	101	69.2	<397
SA-SB-33 (5.5-6.0)	11/14/2019	10.7 j	28.4 M1	86 M1	143 M1	108 M1	192 M1	111	61.5	165 M1	27.1	328 M1	21.2	84.5	357 M1	265 M1	115 j
SA-SB-34 (0.5-1.0)	11/14/2019	3.2 j	6.8 j	28	53	42.3	84.1	49.2	25.6	75.5	12	125	3.8 j	35.9	145	99.8	<384
SA-SB-34 (5.5-6.0)	11/14/2019	42.1	<12.2	131	157	127	212	102	77.9	199	29.7	439	52.9	82.8	684	295	113 j

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TABLE 1
ANALYSES RESULTS FOR SAMPLES COLLECTED FROM MGP SOURCE AREA SOIL BORINGS
QUARTERLY PROGRESS REPORT - FOURTH QUARTER 2019
FORMER BRAMLETTE MGP SITE
GREENVILLE, SOUTH CAROLINA
VCC 16-5857-RP

	Laboratory Method	ASTM D2974-97	8260B (VOA and MTBE)							8260B (Other VOC)						8270D (PAH)		
	Analytical Parameter	Percent Moisture	Benzene	Ethylbenzene	Toluene	Xylene			MTBE	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Acetone	Methylene Chloride	p-Isopropyltoluene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
						m&p-Xylene	o-Xylene	Xylene (Total)										
	Reporting Units	%	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
	EPA RSL for Industrial Soil	NE	5100	25000	47000000	2400000	2800000	2500000	210000	NE	1800000	1500000	670000000	1000000	NE	17000	73000	3000000
Sample ID	Sample Collection Date	Analytical Results	Analytical Results							Analytical Results						Analytical Results		
SA-SB-35 (0.5-1.0)	11/13/2019	12.9	<5.1	<5.1	<5.1	<10.1	<5.1	<10.1	<5.1	<5.1	<5.1	<5.1	<101	<20.3	<5.1	<5.1	**55.2**	**81**
SA-SB-35 (5.5-6.0)	11/13/2019	17.5	<4	<4	<4	<7.9	<4	<7.9	<4	<4	<4	<4	<79.3	<15.9	<4	<4	<12.2	<12.2
SA-SB-36 (0.5-1.0)	11/13/2019	10.1	<4.3	<4.3	<4.3	<8.5	<4.3	<8.5	<4.3	<4.3	<4.3	<4.3	<85.2	<17	<4.3	**0.93 j**	<11.5	<11.5
SA-SB-36 (5.5-6.0)	11/13/2019	9.4	<4.5	<4.5	<4.5	<9	<4.5	<9	<4.5	<4.5	<4.5	<4.5	<89.7	<17.9	<4.5	<4.5	<11.3	<11.3
SA-SB-37 (0.5-1.0)	11/13/2019	9.2	<4	<4	<4	<8.1	<4	<8.1	<4	<4	<4	<4	**11.3 j**	<16.2	<4	**1.2 j**	<11	<11
SA-SB-37 (5.5-6.0)	11/13/2019	20.4	<4.9	<4.9	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<4.9	<4.9	<97.2	<19.4	<4.9	<4.9	<12.4	<12.4
SA-SB-38 (0.5-1.0)	11/12/2019	24.7	<4.8	<4.8	<4.8	<9.5	<4.8	<9.5	<4.8	<4.8	<4.8	<4.8	**71 j**	<19.1	<4.8	<4.8	**31.4**	**36.5**
SA-SB-38 (5.5-6.0)	11/12/2019	18.9	<5.3	<5.3	<5.3	<10.5	<5.3	<10.5	<5.3	<5.3	<5.3	<5.3	**22.5 j**	<21	<5.3	<5.3	<12	<12
SA-SB-39 (0.5-1.0)	11/14/2019	14.7	<4.6	<4.6	<4.6	<9.2	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	**123**	<18.4	<4.6	<4.6	<11.5	<11.5
SA-SB-39 (5.5-6.0)	11/14/2019	15.7	<4.2	<4.2	<4.2	<8.3	<4.2	<8.3	<4.2	<4.2	<4.2	<4.2	<83.4	<16.7	<4.2	**5.8 j**	**1.1 j**	**1.5 j**
SA-SB-40 (0.5-1.0)	11/14/2019	21.5	<6.3	<6.3	<6.3	<12.6	<6.3	<12.6	<6.3	<6.3	<6.3	<6.3	<126	<25.1	<6.3	<6.3	**15.2**	**25.2**
SA-SB-40 (5.5-6.0)	11/14/2019	12.4	<4.2	<4.2	<4.2	<8.5	<4.2	<8.5	<4.2	<4.2	<4.2	<4.2	<84.8	<17	<4.2	**3.4 j,B**	**7.4 j**	**9.8 j**
SA-SB-41 (0.5-1.0)	11/14/2019	17	<4.7	<4.7	<4.7	<9.5	<4.7	<9.5	<4.7	<4.7	<4.7	<4.7	**26.2 j**	<18.9	<4.7	<4.7	<11.8	<11.8
SA-SB-41 (5.5-6.0)	11/14/2019	13.7	<4.4	<4.4	<4.4	<8.9	<4.4	<8.9	<4.4	<4.4	<4.4	<4.4	<88.8	<17.8	<4.4	**8.2 j**	**4.4 j**	**3.3 j**
SA-SB-42 (0.5-1.0)	11/14/2019	17	<5.3	<5.3	<5.3	<10.5	<5.3	<10.5	<5.3	<5.3	<5.3	<5.3	**113**	<21	<5.3	**1.7 j**	**1.1 j**	**1.1 j**
SA-SB-42 (5.5-6.0)	11/14/2019	12.2	<3.9	<3.9	<3.9	<7.7	<3.9	<7.7	<3.9	<3.9	<3.9	<3.9	<77.4	<15.5	<3.9	**6.1 j**	**3.8 j**	**1.2 j**
SA-SB-43 (0.5-1.0)	11/13/2019	17	<4.5	<4.5	<4.5	<9	<4.5	<9	<4.5	<4.5	<4.5	<4.5	<89.7	<17.9	<4.5	<4.5	<12	**0.77 j**
SA-SB-43 (5.5-6.0)	11/13/2019	12.8	<4.7	<4.7	<4.7	<9.3	<4.7	<9.3	<4.7	<4.7	<4.7	<4.7	**10.2 j**	<18.7	<4.7	<4.7	<11.3	<11.3
SA-SB-44 (0.5-1.0)	11/14/2019	20.4	<4.7	<4.7	<4.7	<9.5	<4.7	<9.5	<4.7	<4.7	<4.7	<4.7	**59.5 j**	<19	<4.7	<4.7	<12.7	<12.7
SA-SB-44 (5.5-6.0)	11/14/2019	18.7	<4.1	**3 j**	<4.1	<8.1	<4.1	<8.1	<4.1	<4.1	**4.2**	1.5 j	<81.4	<16.3	<4.1	**6190**	**162**	**42.5**
SA-SB-45 (0.5-1.0)	11/14/2019	21.8	<5.7	<5.7	<5.7	<11.5	<5.7	<11.5	<5.7	<5.7	<5.7	<5.7	**168**	<22.9	**5.5 j**	**9.2 j**	**4.2 j**	**6.6 j**
SA-SB-45 (5.5-6.0)	11/14/2019	15.2	<112	<112	<112	<223	<112	<223	<112	<112	<112	<112	<2230	295 j	<112	<112	<11.5	<11.5
SA-SB-46 (0.5-1.0)	11/14/2019	14.3	<6.2	<6.2	<6.2	<12.3	<6.2	<12.3	<6.2	<6.2	<6.2	<6.2	<123	<24.6	<6.2	**74.9**	**1020**	1250
SA-SB-46 (5.5-6.0)	11/14/2019	27.2	<6.1	<6.1	<6.1	<12.2	<6.1	<12.2	<6.1	<2250	<6.1	<6.1	**76.8 j,M1**	<24.4	**2.3 j,M1,R1**	**5.7 j,M1,R1**	**1170 M1,R1**	**1450 M1,R1**
SA-SB-47 (0.5-1.0)	11/14/2019	43.3	<8.9	<8.9	<8.9	<17.7	<8.9	<17.7	<8.9	<8.9	<8.9	<8.9	<177	<35.4	<8.9	<8.9	**13.2 j**	**16.6 j**
SA-SB-47 (5.5-6.0)	11/14/2019	18.8	<4.6	<4.6	<4.6	<9.1	<4.6	<9.1	<4.6	<4.6	<4.6	<4.6	<91.3	<18.3	<4.6	**2.8 j**	**1.4 j**	**1.9 j**
QC SAMPLE RESULTS																		
Blind DUP-3_SA-SB-19 (5.5-6)	11/14/2019	16.3	<4.2	<4.2	<4.2	<8.4	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<84.3	<16.9	<4.2	<4.2	**11.8 j**	**17.6**
Blind DUP-1_SA-SB-27 (0.5-1)	11/13/2019	17	<4.7	<4.7	<4.7	<9.4	<4.7	<9.4	<4.7	<4.7	<4.7	<4.7	<93.5	<18.7	<4.7	<4.7	**34.9**	**51.4**
Blind DUP-2_SA-SB-27 (5.5-6)	11/13/2019	13.5	<5.5	<5.5	<5.5	<10.9	<5.5	<10.9	<5.5	<5.5	<5.5	<5.5	<109	<21.8	<5.5	<5.5	**36.5**	**49.4**
Blind DUP-4_SA-SB-33 (0.5-1)	11/14/2019	17	<4.6	<4.6	<4.6	<9.2	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	**63.3 j**	<18.4	<4.6	<4.6	**67.7**	**109**
Blind DUP-5_SA-SB-33 (5.5-6)	11/14/2019	12.9	<6.2	<6.2	<6.2	<12.3	<6.2	<12.3	<6.2	<6.2	<6.2	<6.2	**116 j**	<24.6	<6.2	**20.2**	**415**	**477**

Prepared by: MSM Checked by: TDP

Notes:
Bold type indicates that the compound was detected above the adjusted method detection limit.
- Indicates that the compound was detected above a potentially applicable screening level listed in Section 4.11 of the RIWP-A
% - Percent
< - Concentration not detected at or above the adjusted reporting limit.
µg/kg - Micrograms per kilogram
ASTM - American Society for Testing and Materials
Dup - duplicate
EPA - Environmental Protection Agency
j - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
M1 - Matrix spike recovery was high: the associated Laboratory Control Spike (LCS) was acceptable.
MTBE - Methyl tert-butyl ether
NE - No screening level established at this time. A site-specific risk-based screening level may be established as part of the risk assessment process outlined in Section 5.0 of the RIWP-A.
PAH - Poly Aromatic Hydrocarbons
R1 - Relative Percent Difference (RPD) value was outside control limits.
RSL - Regional Screening Level
SVOC - semi-volatile organic compounds
VOC - volatile organic compounds

DRAFT WORK PRODUCT

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GREENVILLE, SOUTH CAROLINA
VCC 16-5857-RP

	Laboratory Method	8270D (PAH)															8270D (Other SVOC)
	Analytical Parameter	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Dibenzofuran
	Reporting Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
	EPA RSL for Industrial Soil	45000000	NE	230000000	NE	2100	21000	NE	210000	2100000	NE	30000000	30000000	21000	NE	23000000	1000000
Sample ID	Sample Collection Date																Analytical Results
SA-SB-35 (0.5-1.0)	11/13/2019	**6.7 j**	<11.3	**68.4**	**114**	**64.6**	**157**	**90.8**	**49.1**	**156**	**23.1**	**283**	**12.1**	**62.1**	**407**	**189**	**136 j**
SA-SB-35 (5.5-6.0)	11/13/2019	<12.2	<12.2	<12.2	**1.5 j**	**1.4 j**	**2.3 j**	**1.4 j**	**0.73 j**	**1.7 j**	<12.2	**2.5 j**	<12.2	<12.2	<12.2	**2.3 j**	<394
SA-SB-36 (0.5-1.0)	11/13/2019	<11.5	**1.8 j**	**0.94 j**	**2.7 j**	**3 j**	**4.3 j**	**2.7 j**	**1.7 j**	**2.7 j**	<11.5	**4.1 j**	**0.68 j**	**2.2 j**	**2.7 j**	**4.5 j**	<368
SA-SB-36 (5.5-6.0)	11/13/2019	<11.3	<11.3	**1.1 j**	**3.1 j**	**2.8 j**	**2.3 j**	**2.9 j**	**4.3 j**	**4.8 j**	**5.3 j**	<11.3	<11.3	**3.3 j**	<11.3	**1.2 j**	<361
SA-SB-37 (0.5-1.0)	11/13/2019	<11	**5.1 j**	**3.3 j**	**9.9 j**	**10.4 j**	**14.1**	**7.4 j**	**4.9 j**	**9.7 j**	**2.1 j**	**16.2**	<11	**6.5 j**	**6.2 j**	**15.5**	<366
SA-SB-37 (5.5-6.0)	11/13/2019	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<408
SA-SB-38 (0.5-1.0)	11/12/2019	**18.4**	**344**	**315**	**706**	**675**	**928**	**462**	**335**	**698**	**151**	**1720**	**76.9**	**408**	**906**	**1470**	**134 j**
SA-SB-38 (5.5-6.0)	11/12/2019	<12	**0.69 j**	<12	**1.1 j**	**1.1 j**	**1.1 j**	**1.6 j**	**1.4 j**	**1.4 j**	**2 j**	<12	<12	**1.7 j**	<12	<12	<410
SA-SB-39 (0.5-1.0)	11/14/2019	<11.5	**1.1 j**	**1.1 j**	**2.7 j**	**1.8 j**	**2.3 j**	<11.5	**1.2 j**	**2.5 j**	<11.5	**4.6 j**	<11.5	<11.5	**1.6 j**	**3.8 j**	<384
SA-SB-39 (5.5-6.0)	11/14/2019	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	<12.1	**1.5 j**	<12.1	<385
SA-SB-40 (0.5-1.0)	11/14/2019	**8.8 j**	**165**	**114**	**376**	**354**	**442**	**206**	**184**	**342**	**63.8**	**489**	**32.2**	**182**	**213**	**575**	<423
SA-SB-40 (5.5-6.0)	11/14/2019	**3.3 j**	**5.7 j**	**10.2 j**	**6.8 j**	**6.8 j**	**7.7 j**	**4.6 j**	**3 j**	**5.8 j**	<11.3	**20.7**	**8.1 j**	**4 j**	**32**	**18.5**	<379
SA-SB-41 (0.5-1.0)	11/14/2019	<11.8	<11.8	**0.52 j**	**2.3 j**	**2.3 j**	**2.5 j**	**3 j**	**3 j**	**3.4 j**	**3.8 j**	<11.8	<11.8	**3.3 j**	<11.8	**1.3 j**	<397
SA-SB-41 (5.5-6.0)	11/14/2019	**6.2 j**	**1.5 j**	**6.2 j**	**6.8 j**	**5.2 j**	**8.7 j**	**4.8 j**	**3.2 j**	**8 j**	<11.6	**20**	**5 j**	**3.8 j**	**21.4**	**18.2**	<379
SA-SB-42 (0.5-1.0)	11/14/2019	**10.9 j**	**0.97 j**	**20.6**	**55.7**	**52.4**	**73.6**	**47.2**	**29.2**	**54**	**10.4 j**	**135**	**6.7 j**	**37.1**	**87.5**	**103**	<398
SA-SB-42 (5.5-6.0)	11/14/2019	**1.7 j**	<11.2	**0.66 j**	<11.2	<11.2	<11.2	<11.2	<11.2	<11.2	<11.2	<11.2	**1.6 j**	<11.2	**3.2 j**	<11.2	<377
SA-SB-43 (0.5-1.0)	11/13/2019	<12	**0.94 j**	<12	**1.2 j**	**1.2 j**	**1.8 j**	<12	**0.63 j**	**1.2 j**	<12	<12	**<12**	<12	<12	**1.7 j**	<403
SA-SB-43 (5.5-6.0)	11/13/2019	**1.6 j**	**24.6**	**28.9**	**157**	**58.6**	**92.1**	**22.7**	**33.1**	**140**	**8.9 j**	**577**	**4.5 j**	**21**	<11.3	**393**	<380
SA-SB-44 (0.5-1.0)	11/14/2019	<12.7	<12.7	<12.7	**<12.7**	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<414
SA-SB-44 (5.5-6.0)	11/14/2019	**114**	**40.1**	**94.5**	**85.7**	**82.6**	**102**	**51.6**	**34.7**	**77.8**	**12.6**	**189**	**92.4**	**44.5**	**316**	**205**	**125 j**
SA-SB-45 (0.5-1.0)	11/14/2019	**0.71 j**	**9.3 j**	**7.8 j**	**21.1**	**24.3**	**28.8**	**16.7**	**14**	**20**	**4.4 j**	**34.6**	**1.7 j**	**14.1**	**19.8**	**35.1**	**80.8 j**
SA-SB-45 (5.5-6.0)	11/14/2019	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<389
SA-SB-46 (0.5-1.0)	11/14/2019	**1280**	**1450**	**3250**	**6470**	**5890**	**7700**	**3000**	**2940**	**6230**	**1080**	**11000**	**1860**	**2720**	**9410**	**9670**	<3830
SA-SB-46 (5.5-6.0)	11/14/2019	**1150 M1**	**4380 M1,R1**	**21100 M1,R1**	**27900 M1,R1**	**21500 M1,R1**	**27200 M1,R1**	**12300 M1,R1**	**12100 M1,R1**	**24000 M1,R1**	**2170 M1,R1**	**63300 M1,R1**	**8840 M1**	**11000 M1,R1**	**77700 M1,R1**	**50300 M1,R1**	<2250
SA-SB-47 (0.5-1.0)	11/14/2019	**3.8 j**	**12 j**	**19.4**	**41**	**44.2**	**55.9**	**34.2**	**20.2**	**38.8**	**8.3 j**	**76.9**	**8.5 j**	**27.8**	**76.3**	**77**	<590
SA-SB-47 (5.5-6.0)	11/14/2019	<12.3	<12.3	**1.1 j**	**2.3 j**	**2.6 j**	**4.6 j**	**3 j**	**1.5 j**	**2.7 j**	<12.3	**4.2 j**	<12.3	**2.5 j**	**4.2 j**	**3.3 j**	<412
QC SAMPLE RESULTS																	
lind DUP-3_SA-SB-19 (5.5-6	11/14/2019	**3 j**	**25.3**	**30.2**	**54.5**	**52**	**72.7**	**45.5**	**31**	**59.3**	**10.7 j**	**113**	**8.5 j**	**35.7**	**113**	**93.6**	<388
LIND DUP-1_SA-SB-27 (0.5-	11/13/2019	**9.6 j**	**7.5 j**	**41**	**155**	**288**	**386**	**316**	**123**	**159**	**76.8**	**160**	**10.3 j**	**257**	**153**	**151**	<404
LIND DUP-2_SA-SB-27 (5.5-(	11/13/2019	<11.5	**5.8 j**	**27.4**	**77.8**	**96.7**	**170**	**161**	**66**	**104**	**34.3**	**129**	**4.4 j**	**119**	**150**	**112**	**83.9 j**
lind DUP-4_SA-SB-33 (0.5-1	11/14/2019	**17.6**	<11.8	**111**	**135**	**112**	**163**	**106**	**67**	**146**	**25.6**	**295**	**37.1**	**80.4**	**399**	**260**	**123 j**
lind DUP-5_SA-SB-33 (5.5-6	11/14/2019	**577**	**786**	**1300**	**2760**	**2380**	**3420**	**1270**	**1090**	**2670**	**362**	**5040**	**799**	**1140**	**3530**	**4720**	<3730

Prepared by: MSM Checked by: TDP

Notes:
Bold type indicates that the compound was detected above the adjusted method detection limit.
- Indicates that the compound was detected above a potentially applicable screening level listed in Section 4.11 of the RIWP-A
% - Percent
< - Concentration not detected at or above the adjusted reporting limit.
µg/kg - Micrograms per kilogram
ASTM - American Society for Testing and Materials
Dup - duplicate
EPA - Environmental Protection Agency
j - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
M1 - Matrix spike recovery was high: the associated Laboratory Control Spike (LCS) was acceptable.
MTBE - Methyl tert-butyl ether
NE - No screening level established at this time. A site-specific risk-based screening level may be established as part of the risk assessment process outlined in Section 5.0 of the RIWP-A.
PAH - Poly Aromatic Hydrocarbons
R1 - Relative Percent Difference (RPD) value was outside control limits.
RSL - Regional Screening Level
SVOC - semi-volatile organic compounds
VOC - volatile organic compounds

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Table 2
Summary of Compound Detections for PSG Samples

Quarterly Progress Report - Fourth Quarter 2019
Former Bramlette MGP Site
Greenville, South Carolina
VCC 16-5857-RP

Analytical Parameter		Volatile Organic Aromatics		Total Petroleum Hydrocarbons		Volatile Organic Halocarbons	
		Benzene	Toluene	TPH C4-C9	TPH C10-C15	cis-1,2-Dicloroethene	trans-1,2-dichloroethene
Sample ID	Date (Deployed - Retrieved)	Analytical Results (ng)		Analytical Results (ng)		Analytical Results (ng)	
SA-SB-1-GS-20191202	11/19/2019 - 12/02/2019	**43**	<25	<5,000	<5,000	<10	<10
SA-SB-2-GS-20191202	11/18/2019 - 12/02/2019	**46**	<25	<5,000	<5,000	<10	<10
SA-SB-4-GS-20191202	11/19/2019 - 12/02/2019	**31**	<25	<5,000	<5,000	<10	<10
SA-SB-5-GS-20191202	11/18/2019 - 12/02/2019	**39**	<25	<5,000	<5,000	<10	<10
SA-SB-7-GS-20191202 Dup	11/18/2019 - 12/02/2019	**7**	<25	<5,000	<5,000	<10	<10
SA-SB-11-GS-20191202	11/18/2019 - 12/02/2019	**30**	<25	**5,700**	<5,000	**122**	**13**
SA-SB-12-GS-20191202	11/18/2019 - 12/02/2019	**44**	<25	**5,890**	<5,000	<10	<10
SA-SB-13-GS-20191202	11/18/2019 - 12/02/2019	**37**	<25	<5,000	<5,000	<10	<10
SA-SB-13-GS-20191202 Dup		**34**	<25	<5,000	<5,000	<10	<10
SA-SB-14-GS-20191202	11/18/2019 - 12/02/2019	**29**	<25	<5,000	<5,000	<10	<10
SA-SB-17-GS-20191202	11/18/2019 - 12/02/2019	**25**	<25	**5,280**	<5,000	<10	<10
SA-SB-18-GS-20191202	11/18/2019 - 12/02/2019	**62**	<25	**6,160**	<5,000	<10	<10
SA-SB-20-GS-20191202	11/18/2019 - 12/02/2019	**60**	<25	<5,000	<5,000	<10	<10
SA-SB-21-GS-20191202	11/18/2019 - 12/02/2019	**26**	<25	<5,000	<5,000	<10	<10
SA-SB-22-GS-20191202	11/19/2019 - 12/02/2019	**34**	<25	<5,000	<5,000	<10	<10
SA-SB-25-GS-20191202	11/18/2019 - 12/02/2019	**28**	<25	<5,000	<5,000	<10	<10
SA-SB-27-GS-20191202	11/18/2019 - 12/02/2019	**29**	**79**	<5,000	<5,000	<10	<10
SA-SB-28-GS-20191202	11/19/2019 - 12/02/2019	**26**	<25	<5,000	<5,000	<10	<10
SA-SB-30-GS-20191202	11/19/2019 - 12/02/2019	**29**	**34**	<5,000	<5,000	<10	<10
SA-SB-35-GS-20191202	11/19/2019 - 12/02/2019	**42**	<25	**12,000**	<5,000	<10	<10
SA-SB-37-GS-20191202	11/19/2019 - 12/02/2019	<25	<25	<5,000	**9,140**	<10	<10
SA-SB-38-GS-20191202	11/19/2019 - 12/02/2019	<25	**29**	<5,000	<5,000	<10	<10
SA-SB-41-GS-20191202	11/19/2019 - 12/02/2019	<25	**30**	<5,000	<5,000	<10	<10
SA-SB-44-GS-20191202	11/19/2019 - 12/02/2019	<25	**54**	<5,000	<5,000	<10	<10
SA-SB-46-GS-20191202	11/19/2019 - 12/02/2019	<25	**32**	<5,000	<5,000	<10	<10
SA-SB-46-GS-20191202 Dup		<25	**50**	<5,000	<5,000	<10	<10

Notes:

ng - nanograms

Bold type indicates the constituent was detected above the limit of quantitation

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Table 3
Materials Encountered in Test Pits

Quarterly Progress Report - Fourth Quarter 2019
Former Bramlette MGP Site
Greenville, South Carolina
VCC 16-5857-RP

Test Pit ID	Date	Depth Interval (ft bls)	Description	Highest PID (ppm)	Notes
SA-TP-1	12/11/2019	0 - 1	Topsoil	0	No odors No visual impacts
		1- 2	Red clayey fill		
		2 - 5.5	Fill with interlayered brick/concrete debris		
SA-TP-2	12/11/2019	0 - 0.5	Topsoil	0	No odors No visual impacts
		0.5 - 6	Micaceous red/brown sandy silt (fill)		
		6 - 6.5	Brick debris		
SA-TP-3	12/11/2019	0 - 1	Topsoil	0	No odors No visual impacts ~ 18-inch corrugated plastic pipe at 6 ft bls Pipe oriented N-S
		1 - 6	Dark brown sandy silt (fill) with minor rock/concrete debris		
SA-TP-4	12/11/2019	0 - 1	Topsoil	0	No visual impacts
		1 - 3	Red/brown clayey fill with concrete and brick debris		
		3 - 6	Concrete slabs with rebar, some metal pipe and bricks, black wood debris with odor		
SA-TP-5	12/11/2019	0 - 1	Topsoil with large concrete slab at 1 ft bls	0	No odors No visual impacts
		1 - 5	Red/brown silt (fill) with slab, block, brick, wood, paper, metal debris		
		5 - 5.5	Large slab of concrete at bottom of test pit		
SA-TP-6	12/12/2019	0 - 0.5	Topsoil	0	No odor No visual impacts Water table approximately 3.5 ft bls
		0.5 - 4	Brown micaceous silty sand (fill)		
SA-TP-7	12/12/2019	0 - 0.5	Topsoil	0	No odor No visual impacts Water table approximately 4 ft bls
		0.5 - 4	Red brown micaceous silt		
SA-TP-8	12/12/2019	0 - 6	Black soils (thermally treated)	0	No odor No visual impacts
		>6	Brown silty fine sand (native)		
SA-TP-9	12/12/2019	0 - 1	Topsoil	0	No odor No visual impacts
		1 - 6	Brown micaceous silt with very fine sand (fill)		
SA-TP-10	12/12/2019	0 - 6	Black soils with cobbles (thernally treated)	0	No odor No visual impacts
SA-TP-11	12/12/2019	0 - 4.5	Red brown silt	59.6	No visual impacts Water table approximately 5 ft bls
		4.5 - 5.5	Gray clayey sand with strong odor		
SA-TP-12	12/12/2019	0 - 5	Red brown micaceous silt	Not Measured	No visual impacts Water table approximately 6 ft bls
		5 - 6	Greenish gray clay sand with strong odor		
SA-TP-13	12/12/2019	0 - 1	Topsoil	0	No odor No visual impacts
		1 - 5	Red clay/silt		
		5	Concrete slabs and debris		
SA-TP-14	12/12/2019	0 - 3	Hard red clay/silt with gravel	0	No odor No visual impacts
SA-TP-15	12/12/2019	0 - 2	Black soils (thermally treated)	0	No odor No visual impacts
		2 - 6	Hard red clay		
SA-TP-16	12/12/2019	0 - 1	Black soils (thermally treated)	0	No odor No visual impacts
		1 - 5.5	Red/brown silt		

Notes:
All depths are approximate.
bls - below land surface
ppm - parts per million

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Table 4
Monitoring Well Construction Details

Quarterly Progress Report - Fourth Quarter 2019
Former Bramlette MGP Site
Greenville, South Carolina
VCC 16-5857-RP

Location	Well ID	Surface Casing (6-Inch Diameter)		Geophysics		Well Construction/Screened Interval (2-Inch Diameter)		
		Date	Depth (ft bls)	Date	Depth (ft bls)	Date	Top (ft bls)	Bottom (ft bls)
Downgradient of Source Area (Parcel 2)	MW-29BR	12/17/2019	40	--	--	--	--	--
	MW-34S	--	--	--	--	11/7/2019	10	25
	MW-34TZ	--	--	--	--	11/7/2019	40	50
	MW-34BR	11/11/2019	69	11/22/2019 12/5/2019	120	12/5/2019	103	108
West of Vaughn Landfill (Parcel 3)	MW-02TZ	--	--	--	--	11/19/2019	27	32
	MW-02BR	11/19/2019	39	11/22/2019	80	11/22/2019	55	60
Within Vaughn Landfill (Parcel 3)	MW-21BR	11/21/2019	25	12/6/2019	125	12/10/2019	37	42
	MW-21BRL	12/16/2019	48	--	--	--	--	--
	MW-39S	--	--	--	--	11/22/2019	9	24
	MW-39BR	11/21/2019	35	12/5/2019	85	12/6/2019	45	50
	MW-39BRL	12/11/2019	55	--	--	--	--	--
Adjacent to Reedy River (Swamp Rabbit Trail)	MW-30TZ	--	--	--	--	12/18/2019	35	40
	MW-32S	--	--	--	--	12/17/2019	20	35
	MW-32TZ	--	--	--	--	12/17/2019	56	66
	MW-33S	--	--	--	--	12/18/2019	5	20
	MW-33TZ	--	--	--	--	12/18/2019	35	40
Behind Legacy Charter Elementary School	MW-41S	--	--	--	--	10/20/2019	5	25
	MW-41TZ	--	--	--	--	11/6/2019	45	55
	MW-41BR	--	--	--	--	10/20/2019	80	90

Notes:

All depths are approximate. Total depths are subject to change based on field conditions.

bls - below land surface

ATTACHMENT C
RESULTS OF GEOPHYSICAL INVESTIGATION

GEL Solutions

621 Livingston Court, Suite E
Marietta, GA 30067
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November 27, 2019

Mr. Tom King
SynTerra
148 River Street, Suite 220
Greenville, South Carolina 29601

Geophysical Survey at the Former Bramlette Manufactured Gas Plant
Greenville, South Carolina

Dear Mr. King:

This letter and the attached figures serve as a report for the geophysical investigation performed by GEL Solutions on November 6 through November 8, 2019 at the former Bramlette Manufactured Gas Plant (MGP). The purpose of this investigation was to determine the presence and approximate horizontal location of potential underground storage tanks, underground utilities, septic tanks, building foundations and other buried objects at the site. The site is an approximately 4.5-acre field. The MGP plant has been removed, and there are no remaining surface features associated with the former plant.

Equipment and Methodology

The geophysical evaluation included the deployment of time domain electromagnetic (TDEM), ground penetrating radar (GPR) and radio frequency electromagnetic (EM) technologies to the site. A brief description of these technologies is presented in the following paragraphs.

The GPR and TDEM surveys were conducted by towing the geophysical equipment along a system of transect lines on an approximately 10-foot spaced grid established within the investigation area. In spatially restricted and surface obstructed areas, a modified pattern of transect lines was implemented to maximize data acquisition. Positioning for the investigation was provided using RTK/GPS or differential GPS. EM technologies were used in active and passive mode to detect potential underground utilities. The TDEM data was analyzed using Surfer by Golden Software, and the GPR data was analyzed using CrossPoint by ImpulseRadar. GEL Solutions also measured the location of relevant surface features using RTK/GPS.

The information below is an overview of the geophysical equipment and methodologies used for this investigation. The intent of this overview is to give the reader a better understanding of each method, and background information as to what is actually measured, the resolution of the method, and the limitations imposed by site-specific subsurface conditions.

<u>Time domain electromagnetics</u>

TDEM methods measure the electrical conductivity of subsurface materials. The conductivity is determined by inducing (from a transmitter) a time or frequency-varying magnetic field and measuring (with a receiver) the amplitude and phase shift of an induced secondary magnetic field. The secondary magnetic field is created by subsurface conductive materials behaving as an inductor as the primary magnetic field is passed through them.

The Geonics EM61 system used in this investigation operates within these principles. However, the EM61 TDEM system can discriminate between moderately conductive earth materials and very conductive metallic targets. The EM61 consists of a portable coincident loop time domain transmitter and receiver with a 1.0-meter by 0.5-meter coil system. The EM61 generates 150 pulses per second and measures the response from the ground after transmission or between pulses. The secondary EM responses from metallic targets are of longer duration than those created by conductive earth materials. By recording the later time EM arrivals, only the response from metallic targets is measured, rather than the field generated by the earth material.

Ground Penetrating Radar

An ImpulseRadar Crossover dual-channel digital radar control system configured with a 170-Megahertz (MHz) and 600-MHz antenna array was used in this investigation. GPR is an electromagnetic method that detects interfaces between subsurface materials with differing dielectric constants. The GPR system consists of: an antenna, which houses a transmitter and receiver; a profiling recorder, which processes the received signal and produces a graphic display of the data; and a video display unit, which processes and transmits the GPR signal to a color video display and recording device.

The transmitter radiates repetitive short-duration EM signals into the earth from an antenna moving across the ground surface. Electromagnetic waves are reflected back to the receiver by interfaces between materials with differing dielectric constants. The intensity of the reflected signal is a function of the contrast in the dielectric constant at the interface, the conductivity of the material that the wave is traveling through, and the frequency of the signal. Subsurface features which may cause such reflections are: 1) natural geologic conditions such as changes in sediment composition, bedding and cementation horizons, voids, and water content; or 2) man introduced materials or changes to the subsurface such as soil backfill, buried debris, tanks, pipelines, and utilities. The profiling recorder receives the signal from the antenna and produces a continuous cross section of the subsurface interface reflections, referred to as "reflectors" or "reflection events."

Depth of investigation of the GPR signal is highly site specific, and is limited by signal attenuation (absorption) of the subsurface materials. Signal attenuation is dependent upon the electrical conductivity of the subsurface materials. Signal attenuation is greatest in materials with relatively high electrical conductivities such as clays and brackish groundwater, and lowest in relatively low conductivity materials such as unsaturated sand or rock. In addition, the presence of reinforcement bar in concrete structures may severely attenuate the GPR signal such that objects below the slab may be undetectable. Depth of investigation is also dependent on antenna frequency and generally increases with decreasing frequency; however, the ability to identify smaller subsurface features is diminished with decreasing frequency.

GEL Solutions uses GPR antennas, which are internally shielded from above-ground interference sources. Accordingly, the GPR signal is not affected by nearby aboveground conductive objects such as metal fences, overhead power lines, and vehicles. Therefore, no spurious reflection events are generated on the GPR data by aboveground features, which could lead to false interpretation of subsurface anomalies.

Radio Frequency Electromagnetics

Radio Frequency Electromagnetic (EM) utility locating equipment consists of a transmitter and a dual-function receiver. The receiver can be operated in a "passive" mode or in an "active" mode. The two modes of operation provide various levels of detection capabilities depending on the specific target or application.

The EM system is operated in the "active" mode by either inducting or conducting a signal into the underground utility to be traced. A transmitter is placed over and in line with a suspected buried utility. The transmitter induces a signal, which propagates along the buried utility. As the receiver is moved back and forth across the suspected path of the utility, the trace signal induces a signal into the receivers coil sensor. A visual and audio response indicates when the receiver is directly over the buried utility. Another means of detecting in the "active" mode utilizes a method to "conduct" a signal within the buried utility. To accomplish this, a cable from the transmitter is clamped onto an exposed section of the buried utility and a signal propagates along the buried line. This technique minimizes any interference caused by parasitic emissions from adjacent cables in congested areas. When the system is utilized in the "passive" mode, the receiver is responding to a 60 Hertz cycle current energized by underground utilities.

Interference can and may occur when buried utilities intersect or are adjacent to each other. This effect referred to as "bleed-off" may provide a false response to the identification of the tracked utility. "Bleed-off" is caused by utilities that may be energized in the "active" or "passive" mode. For this investigation, GEL Solutions used RadioDetection 8000 units.

Results

The EM61 response is shown in Figure 1, and the GPR data interpretations are shown in Figure 2. GEL Solutions analyzed both datasets, and compared the responses with the location of known features (such as monitoring wells and surface trash). The combined interpretation is shown on Figure 3 and in AutoCAD on Figure 4. The layout of the former MGP plant (provided by SynTerra) is also shown in the figures for comparison. GEL Solutions identified the following potential subsurface features that may be associated with the former MGP plant and site activities:

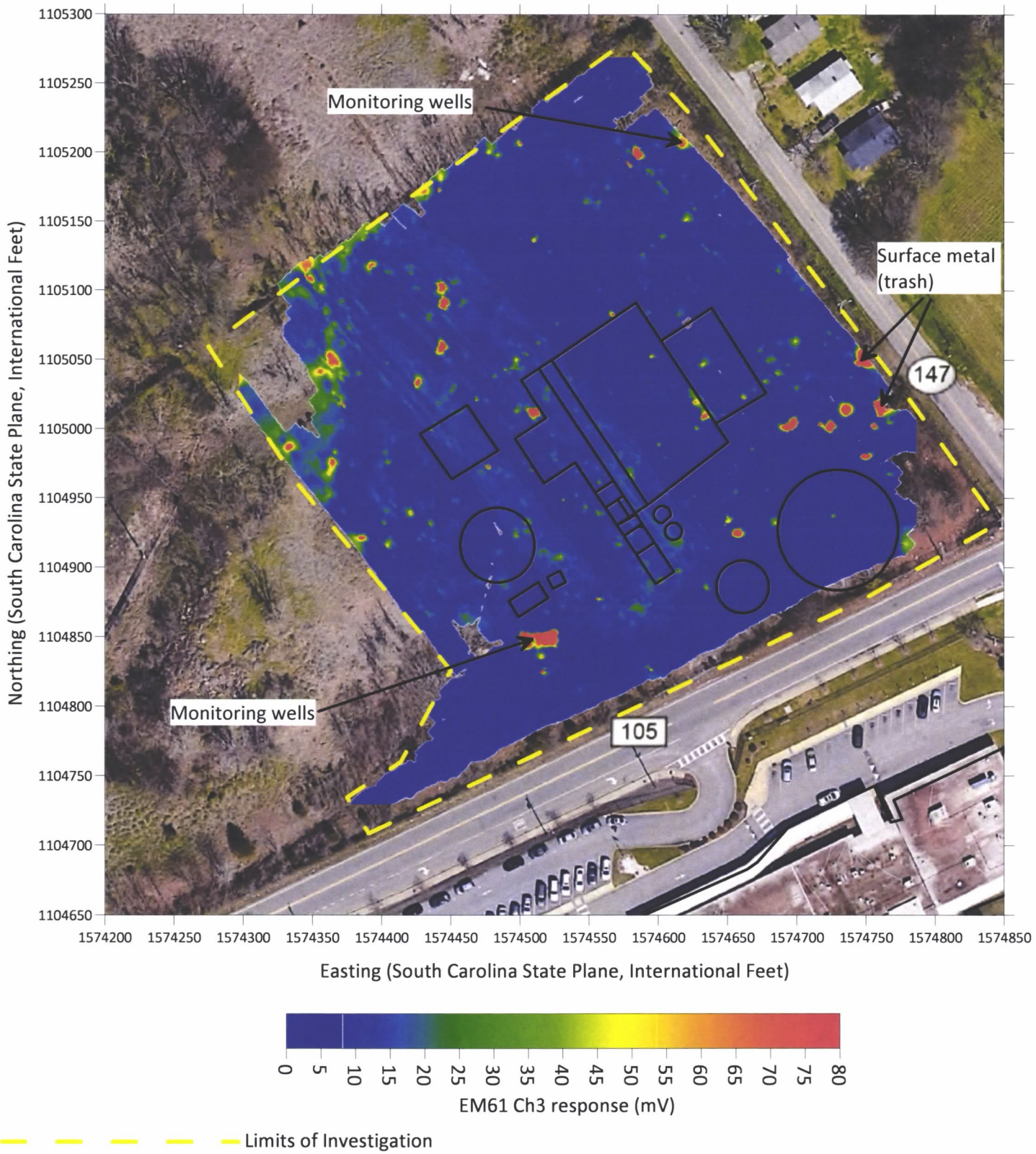
1) Remnants of building foundations or engineered caps
2) Reworked soils (excavations)
3) Buried objects with no or little metal content
4) Buried objects containing metal
5) Engineered subgrade (such as gravel)

No subsurface utilities were identified within the limits of investigation. GEL Solutions appreciates the opportunity to assist SynTerra with this investigation. If you have any questions regarding this report, or need additional information, please feel free to contact us at 770-980-1002.

Sincerely,

Jorgen Bergstrom, P.Gp.
Principal

FIGURE 1



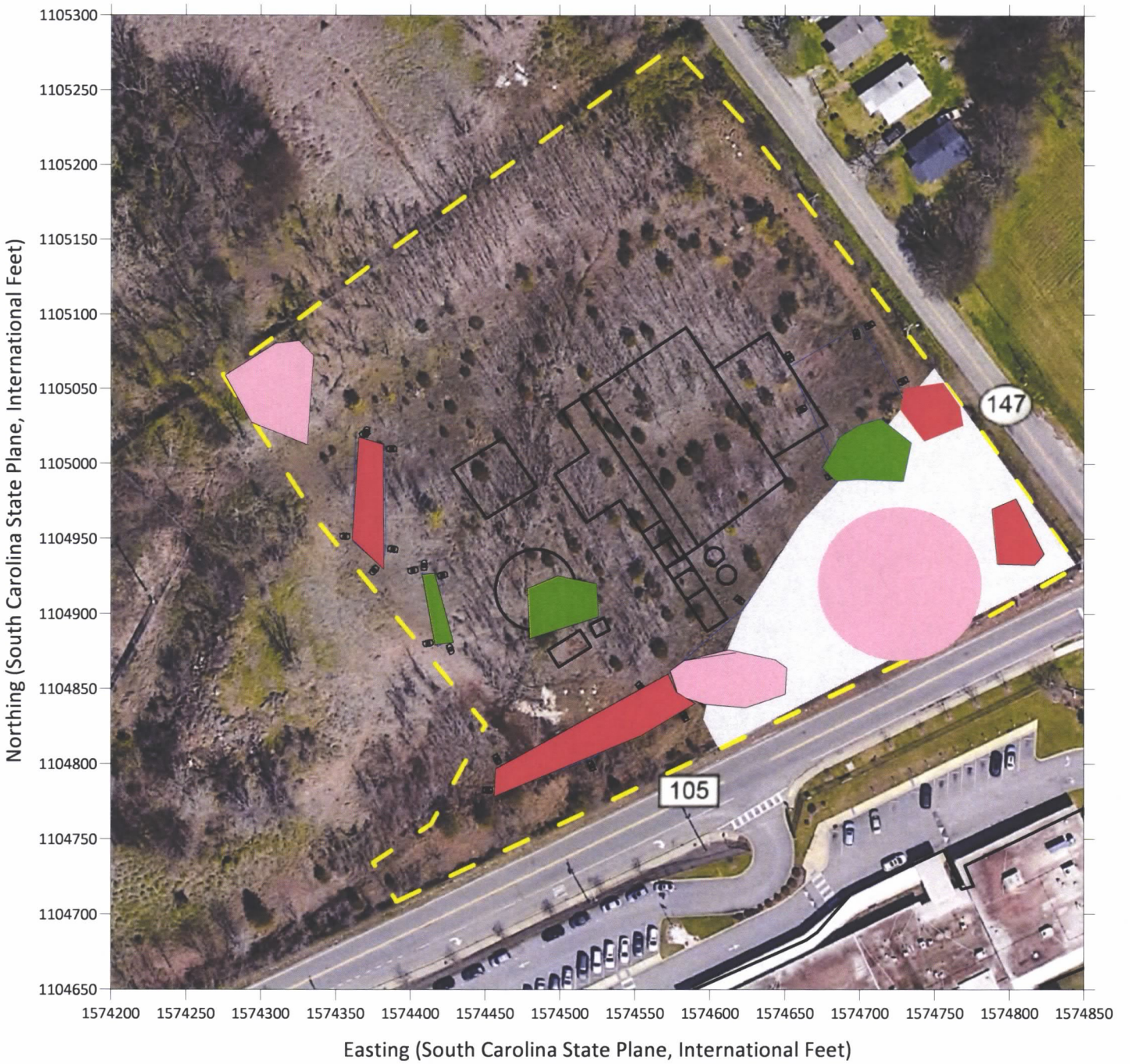
EM61 response and historic building layout

Geophysical Survey at the Former Bramlette MGP Plant
Greenville, South Carolina

GEL Solutions LLC

synt00319
11/6/19-11/8/19

FIGURE 2



GPR signature consistent with remnants of building foundation or engineered cap

GPR signature consistent with buried objects

GPR signature consistent with reworked soils

GPR signature consistent with engineered subgrade

Limits of Investigation

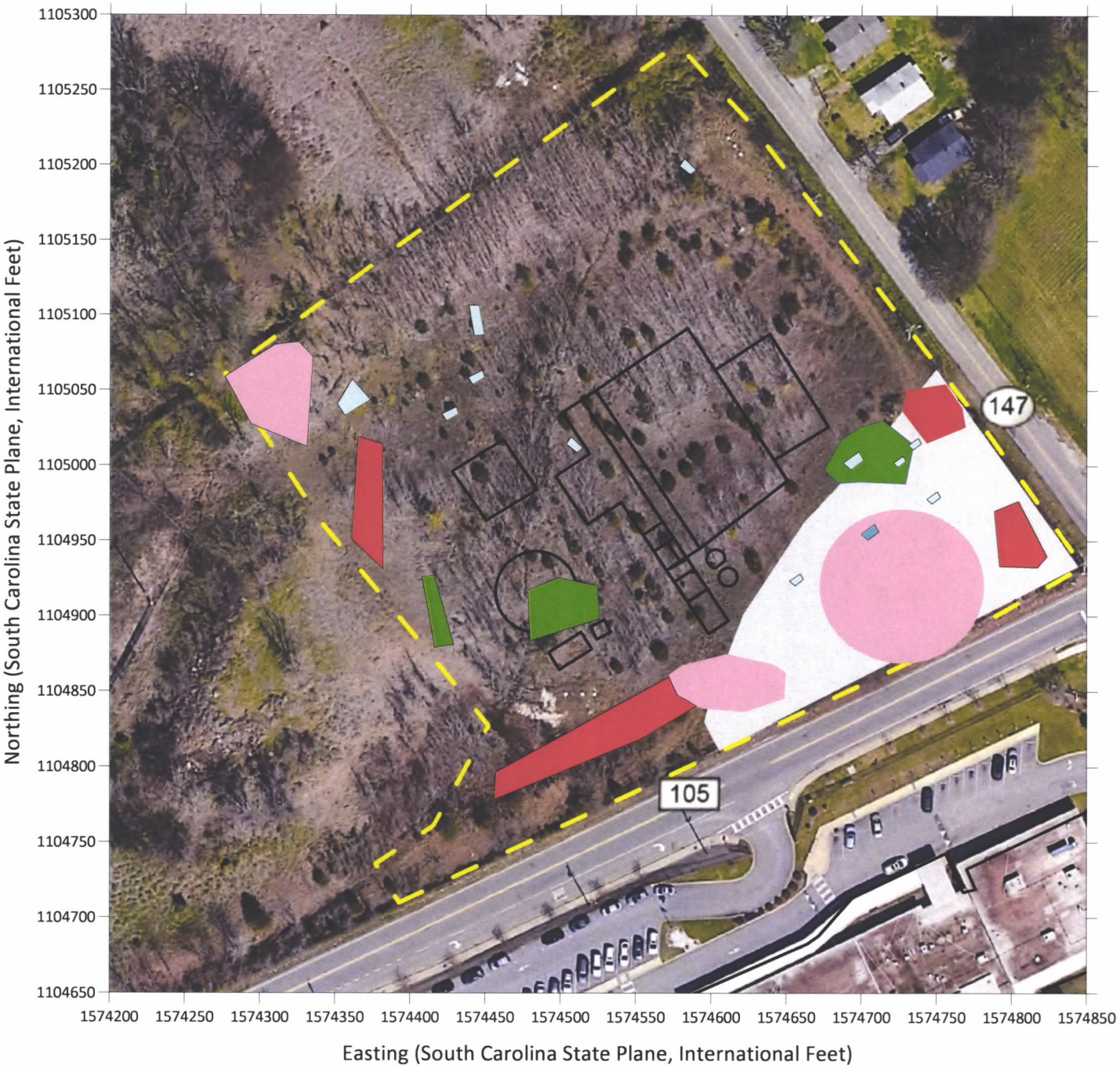
GPR data interpretations and historic building layout

Geophysical Survey at the Former Bramlette MGP Plant
Greenville, South Carolina

GEL Solutions LLC

synt00319
11/6/19-11/8/19

FIGURE 3



GPR signatures consistent with remnants of building foundation or engineered cap

GPR signatures consistent with buried objects

GPR signatures consistent with reworked soils

GPR signatures consistent with engineered subgrade

EM61 signatures consistent with buried metal

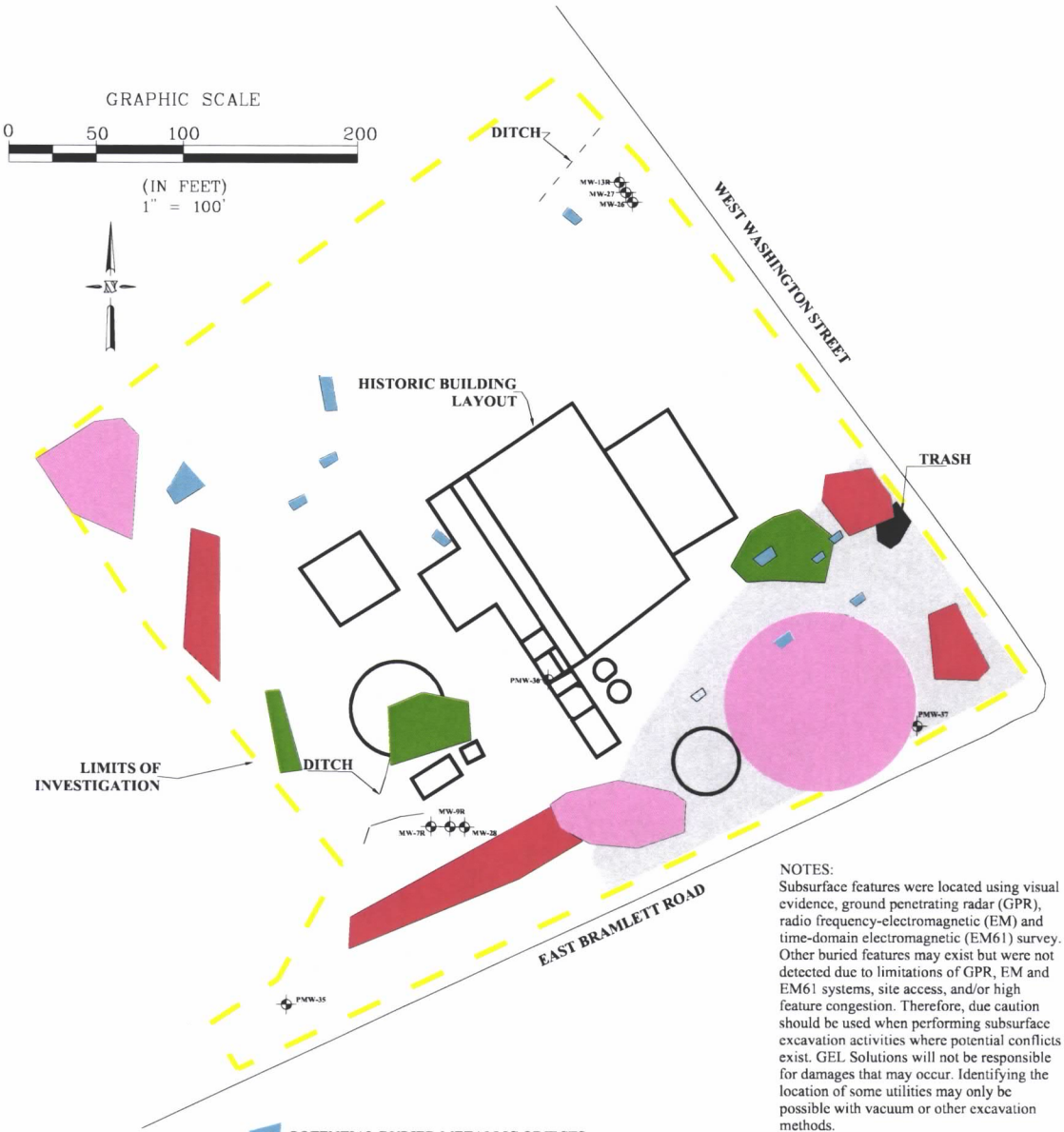
Limits of Investigation

Geophysical data interpretations and historic building layout

Geophysical Survey at the Former Bramlette MGP Plant
Greenville, South Carolina

GEL Solutions LLC

synt00319
11/6/19-11/8/19



NOTES:
Subsurface features were located using visual evidence, ground penetrating radar (GPR), radio frequency-electromagnetic (EM) and time-domain electromagnetic (EM61) survey. Other buried features may exist but were not detected due to limitations of GPR, EM and EM61 systems, site access, and/or high feature congestion. Therefore, due caution should be used when performing subsurface excavation activities where potential conflicts exist. GEL Solutions will not be responsible for damages that may occur. Identifying the location of some utilities may only be possible with vacuum or other excavation methods.

- POTENTIAL BURIED METALLIC OBJECTS
- POTENTIAL BURIED OBJECTS
- POTENTIAL REWORKED SOILS (EXCAVATIONS)
- POTENTIAL FOUNDATION REMNANTS OR CAP
- POTENTIAL ENGINEERED SUBGRADE

FIGURE 4	SCALE 1" = 100'	PROJECT NUMBER SYN100319	APPROVED JAT	LAST REVISED 11/27/19	DRAWN/CHECKED EJB	DATE SURVEYED 11/6/19-11/8/19	GEOPHYSICAL SURVEY AT THE FORMER BRAMLETTE MGP PLANT GREENVILLE, SOUTH CAROLINA

DATA INTERPRETATIONS

GEL Solutions LLC
a Member of THE GEL GROUP, INC.
821 LIVINGSTON COURT, SUITE E
MARIETTA, GA 30067
PHONE: (770) 980-1002
WWW.GEL-SOLUTIONS.COM

ATTACHMENT D
LABORATORY ANALYTICAL REPORT FOR MGP SOURCE AREA SOIL SAMPLES

(LABORATORY ANALYTICAL REPORTS TRANSMITTED ELECTRONICALLY (CD) WITH HARDCOPY DELIVERABLE)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 09, 2019

Program Manager
Duke Energy
13339 Hagers Ferry Road
Bldg. 7405 MG30A2
Huntersville, NC 28078

RE: Project: Former Bramlette J19110470
Pace Project No.: 92454032

Dear Program Manager:
Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Program Manager, Duke Energy
Mike Mastbaum
Todd Plating, Synterra
Rick Powell
B. Russo
Heather Smith

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CERTIFICATIONS

Project:	Former Bramlette J19110470
Pace Project No.:	92454032

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92454032001	**SA-SB-1 (0.5-1.0)**	Solid	11/15/19 00:00	11/16/19 08:00
92454032002	**SA-SB-1 (5.5-6.0)**	Solid	11/15/19 00:00	11/16/19 08:00
92454032003	**SA-SB-3 (0.5-1.0)**	Solid	11/15/19 00:00	11/16/19 08:00
92454032004	**SA-SB-3 (5.5-6.0)**	Solid	11/15/19 00:00	11/16/19 08:00
92454032005	**SA-SB-12 (0.5-1.0)**	Solid	11/14/19 09:00	11/16/19 08:00
92454032006	**SA-SB-12 (5.5-6.0)**	Solid	11/14/19 09:05	11/16/19 08:00
92454032007	**SA-SB-18 (0.5-1.0)**	Solid	11/14/19 09:15	11/16/19 08:00
92454032008	**SA-SB-18 (5.5-6.0)**	Solid	11/14/19 09:20	11/16/19 08:00
92454032009	**SA-SB-19 (0.5-1.0)**	Solid	11/14/19 08:00	11/16/19 08:00
92454032010	**SA-SB-19 (5.5-6.0)**	Solid	11/14/19 08:05	11/16/19 08:00
92454032011	**SA-SB-25 (0.5-1.0)**	Solid	11/14/19 11:10	11/16/19 08:00
92454032012	**SA-SB-25 (5.5-6.0)**	Solid	11/14/19 11:15	11/16/19 08:00
92454032013	**SA-SB-26 (0.5-1.0)**	Solid	11/14/19 09:25	11/16/19 08:00
92454032014	**SA-SB-26 (5.5-6.0)**	Solid	11/14/19 09:30	11/16/19 08:00
92454032015	**SA-SB-32 (0.5-1.0)**	Solid	11/14/19 11:25	11/16/19 08:00
92454032016	**SA-SB-32 (5.5-6.0)**	Solid	11/14/19 11:30	11/16/19 08:00
92454032017	**SA-SB-33 (0.5-1.0)**	Solid	11/14/19 10:50	11/16/19 08:00
92454032018	**SA-SB-33 (5.5-6.0)**	Solid	11/14/19 10:55	11/16/19 08:00
92454032019	**SA-SB-34 (0.5-1.0)**	Solid	11/14/19 09:45	11/16/19 08:00
92454032020	**SA-SB-34 (5.5-6.0)**	Solid	11/14/19 09:50	11/16/19 08:00
92454032021	**SA-SB-39 (0.5-1.0)**	Solid	11/14/19 12:10	11/16/19 08:00
92454032022	**SA-SB-39 (5.5-6.0)**	Solid	11/14/19 12:15	11/16/19 08:00
92454032023	**SA-SB-40 (0.5-1.0)**	Solid	11/14/19 10:25	11/16/19 08:00
92454032024	**SA-SB-40 (5.5-6.0)**	Solid	11/14/19 10:30	11/16/19 08:00
92454032025	**SA-SB-41 (0.5-1.0)**	Solid	11/14/19 10:15	11/16/19 08:00
92454032026	**SA-SB-41 (5.5-6.0)**	Solid	11/14/19 10:20	11/16/19 08:00
92454032027	**SA-SB-42 (0.5-1.0)**	Solid	11/14/19 10:05	11/16/19 08:00
92454032028	**SA-SB-42 (5.5-6.0)**	Solid	11/14/19 10:10	11/16/19 08:00
92454032029	**SA-SB-44 (0.5-1.0)**	Solid	11/14/19 12:30	11/16/19 08:00
92454032030	**SA-SB-44 (5.5-6.0)**	Solid	11/14/19 12:35	11/16/19 08:00
92454032031	**SA-SB-45 (0.5-1.0)**	Solid	11/14/19 11:45	11/16/19 08:00
92454032032	**SA-SB-45 (5.5-6.0)**	Solid	11/14/19 11:50	11/16/19 08:00
92454032033	**SA-SB-46 (0.5-1.0)**	Solid	11/14/19 13:10	11/16/19 08:00
92454032034	**SA-SB-46 (5.5-6.0)**	Solid	11/14/19 13:15	11/16/19 08:00
92454032035	**SA-SB-47 (0.5-1.0)**	Solid	11/14/19 12:50	11/16/19 08:00
92454032036	**SA-SB-47 (5.5-6.0)**	Solid	11/14/19 12:55	11/16/19 08:00
92454032037	**Blind DUP-4**	Solid	11/14/19 10:50	11/16/19 08:00

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SAMPLE SUMMARY

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92454032038	**Blind DUP-5**	Solid	11/14/19 10:55	11/16/19 08:00
92454032039	**Blind DUP-3**	Solid	11/14/19 08:05	11/16/19 08:00
92454032040	**EQB-3**	Water	11/14/19 16:00	11/16/19 08:00
92454032041	**EQB-4**	Water	11/15/19 11:00	11/16/19 08:00
92454032042	**Trip Blank**	Water	11/15/19 00:00	11/16/19 08:00

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92454032001	**SA-SB-1 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032002	**SA-SB-1 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032003	**SA-SB-3 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032004	**SA-SB-3 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032005	**SA-SB-12 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032006	**SA-SB-12 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032007	**SA-SB-18 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032008	**SA-SB-18 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032009	**SA-SB-19 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032010	**SA-SB-19 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C

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SAMPLE ANALYTE COUNT

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032011	**SA-SB-25 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032012	**SA-SB-25 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032013	**SA-SB-26 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032014	**SA-SB-26 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032015	**SA-SB-32 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032016	**SA-SB-32 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032017	**SA-SB-33 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032018	**SA-SB-33 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032019	**SA-SB-34 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032020	**SA-SB-34 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032021	**SA-SB-39 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032022	**SA-SB-39 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032023	**SA-SB-40 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032024	**SA-SB-40 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032025	**SA-SB-41 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032026	**SA-SB-41 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032027	**SA-SB-42 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032028	**SA-SB-42 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C

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SAMPLE ANALYTE COUNT

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	KDF	1	PASI-C
92454032029	**SA-SB-44 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032030	**SA-SB-44 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032031	**SA-SB-45 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032032	**SA-SB-45 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032033	**SA-SB-46 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032034	**SA-SB-46 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032035	**SA-SB-47 (0.5-1.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032036	**SA-SB-47 (5.5-6.0)**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032037	**Blind DUP-4**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C

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SAMPLE ANALYTE COUNT

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92454032038	**Blind DUP-5**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032039	**Blind DUP-3**	EPA 8270D by SIM	PKS	21	PASI-C
		EPA 8270D	BPJ	56	PASI-C
		EPA 8260B	SAS	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92454032040	**EQB-3**	EPA 8270D	BPJ	74	PASI-C
92454032041	**EQB-4**	EPA 8270D	BPJ	74	PASI-C
92454032042	**Trip Blank**	EPA 8260B	GAW	62	PASI-C

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032001	**SA-SB-1 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	3.5J	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Anthracene	27.6	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Benzo(a)anthracene	36.2	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Benzo(a)pyrene	25.8	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Benzo(b)fluoranthene	53.6	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Benzo(g,h,i)perylene	34.7	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Benzo(k)fluoranthene	16.4	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Chrysene	52.5	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Dibenz(a,h)anthracene	8.3J	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Fluoranthene	121	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Fluorene	8.4J	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	24.7	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	1-Methylnaphthalene	32.8	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	2-Methylnaphthalene	44.7	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Naphthalene	83.9	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Phenanthrene	169	ug/kg	11.8	11/22/19 16:35	
EPA 8270D by SIM	Pyrene	71.9	ug/kg	11.8	11/22/19 16:35	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	11/18/19 14:13	
92454032002	**SA-SB-1 (5.5-6.0)**					
ASTM D2974-87	Percent Moisture	19.7	%	0.10	11/18/19 14:13	
92454032003	**SA-SB-3 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	1.3J	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Acenaphthylene	2.8J	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Anthracene	13.0	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Benzo(a)anthracene	34.1	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Benzo(a)pyrene	58.5	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Benzo(b)fluoranthene	79.0	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Benzo(g,h,i)perylene	66.5	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Benzo(k)fluoranthene	23.5	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Chrysene	42.7	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Dibenz(a,h)anthracene	15.6	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Fluoranthene	54.9	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Fluorene	1.6J	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	51.6	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	1-Methylnaphthalene	11.3J	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	2-Methylnaphthalene	16.4	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Naphthalene	23.6	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Phenanthrene	68.0	ug/kg	11.6	11/22/19 17:17	
EPA 8270D by SIM	Pyrene	45.5	ug/kg	11.6	11/22/19 17:17	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	11/18/19 14:14	
92454032004	**SA-SB-3 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthylene	1.2J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Anthracene	12.6	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Benzo(a)anthracene	21.5	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Benzo(a)pyrene	14.6	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Benzo(b)fluoranthene	27.9	ug/kg	12.5	11/22/19 17:38	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032004	**SA-SB-3 (5.5-6.0)**					
EPA 8270D by SIM	Benzo(g,h,i)perylene	15.8	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Benzo(k)fluoranthene	11.3J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Chrysene	25.4	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Dibenz(a,h)anthracene	4.0J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Fluoranthene	52.4	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Fluorene	3.3J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	11.4J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	1-Methylnaphthalene	12.0J	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	2-Methylnaphthalene	16.9	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Naphthalene	27.8	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Phenanthrene	54.3	ug/kg	12.5	11/22/19 17:38	
EPA 8270D by SIM	Pyrene	36.1	ug/kg	12.5	11/22/19 17:38	
ASTM D2974-87	Percent Moisture	21.0	%	0.10	11/18/19 14:14	
92454032005	**SA-SB-12 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	10.7J	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Acenaphthylene	86.3	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Anthracene	132	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Benzo(a)anthracene	212	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Benzo(a)pyrene	158	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Benzo(b)fluoranthene	227	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Benzo(g,h,i)perylene	110	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Benzo(k)fluoranthene	86.4	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Chrysene	203	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Dibenz(a,h)anthracene	29.3	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Fluoranthene	443	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Fluorene	55.2	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	89.9	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	1-Methylnaphthalene	63.5	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	2-Methylnaphthalene	86.6	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Naphthalene	77.4	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Phenanthrene	496	ug/kg	11.9	11/22/19 17:59	
EPA 8270D by SIM	Pyrene	391	ug/kg	11.9	11/22/19 17:59	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	11/18/19 14:14	
92454032006	**SA-SB-12 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	2.1J	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Acenaphthylene	4.1J	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Anthracene	17.1	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Benzo(a)anthracene	31.2	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Benzo(a)pyrene	22.6	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Benzo(b)fluoranthene	42.4	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Benzo(g,h,i)perylene	17.9	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Benzo(k)fluoranthene	14.6	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Chrysene	38.6	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Dibenz(a,h)anthracene	5.4J	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Fluoranthene	71.3	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Fluorene	4.9J	ug/kg	11.7	11/22/19 18:19	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032006	**SA-SB-12 (5.5-6.0)**					
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	15.1	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	1-Methylnaphthalene	12.3	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	2-Methylnaphthalene	18.8	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Naphthalene	32.1	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Phenanthrene	88.6	ug/kg	11.7	11/22/19 18:19	
EPA 8270D by SIM	Pyrene	54.7	ug/kg	11.7	11/22/19 18:19	
EPA 8260B	Methylene Chloride	810J	ug/kg	903	11/22/19 20:59	
EPA 8260B	Naphthalene	66.1J	ug/kg	226	11/22/19 20:59	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	11/18/19 14:14	
92454032007	**SA-SB-18 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	18.7	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Acenaphthylene	7.6J	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Anthracene	92.4	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Benzo(a)anthracene	109	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Benzo(a)pyrene	70.8	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Benzo(b)fluoranthene	134	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Benzo(g,h,i)perylene	65.6	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Benzo(k)fluoranthene	41.6	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Chrysene	131	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Dibenz(a,h)anthracene	17.5	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Fluoranthene	249	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Fluorene	36.5	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	46.7	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	1-Methylnaphthalene	48.8	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	2-Methylnaphthalene	69.7	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Naphthalene	71.9	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Phenanthrene	305	ug/kg	11.8	11/22/19 18:40	
EPA 8270D by SIM	Pyrene	242	ug/kg	11.8	11/22/19 18:40	
EPA 8270D	Dibenzofuran	89.1J	ug/kg	393	11/23/19 14:15	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	11/18/19 14:14	
92454032008	**SA-SB-18 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	24.8	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Acenaphthylene	62.7	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Anthracene	161	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Benzo(a)anthracene	268	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Benzo(a)pyrene	227	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Benzo(b)fluoranthene	322	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Benzo(g,h,i)perylene	205	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Benzo(k)fluoranthene	130	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Chrysene	279	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Dibenz(a,h)anthracene	49.4	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Fluoranthene	465	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Fluorene	59.8	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	154	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	1-Methylnaphthalene	110	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	2-Methylnaphthalene	178	ug/kg	11.6	11/22/19 19:01	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032008	**SA-SB-18 (5.5-6.0)**					
EPA 8270D by SIM	Naphthalene	280	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Phenanthrene	552	ug/kg	11.6	11/22/19 19:01	
EPA 8270D by SIM	Pyrene	435	ug/kg	11.6	11/22/19 19:01	
EPA 8270D	Dibenzofuran	117J	ug/kg	377	11/23/19 19:56	
ASTM D2974-87	Percent Moisture	13.8	%	0.10	11/18/19 14:14	
92454032009	**SA-SB-19 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	0.61J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Acenaphthylene	2.6J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Anthracene	5.8J	ug/kg	12.0	11/22/19 19:22	R1
EPA 8270D by SIM	Benzo(a)anthracene	12.5	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Benzo(a)pyrene	10.7J	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Benzo(b)fluoranthene	21.0	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Benzo(g,h,i)perylene	11.4J	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Benzo(k)fluoranthene	6.5J	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Chrysene	16.0	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Dibenz(a,h)anthracene	3.2J	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Fluoranthene	23.5	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	Fluorene	0.82J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	9.0J	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8270D by SIM	1-Methylnaphthalene	3.0J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	2-Methylnaphthalene	4.9J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Naphthalene	8.3J	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Phenanthrene	26.0	ug/kg	12.0	11/22/19 19:22	
EPA 8270D by SIM	Pyrene	22.5	ug/kg	12.0	11/22/19 19:22	M1, R1
EPA 8260B	Naphthalene	40.2J	ug/kg	141	11/21/19 20:04	
ASTM D2974-87	Percent Moisture	16.6	%	0.10	11/18/19 14:14	
92454032010	**SA-SB-19 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	16.4	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Acenaphthylene	23.7	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Anthracene	109	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Benzo(a)anthracene	142	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Benzo(a)pyrene	125	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Benzo(b)fluoranthene	185	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Benzo(g,h,i)perylene	112	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Benzo(k)fluoranthene	77.5	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Chrysene	163	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Dibenz(a,h)anthracene	28.6	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Fluoranthene	314	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Fluorene	37.0	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	87.0	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	1-Methylnaphthalene	56.3	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	2-Methylnaphthalene	88.2	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Naphthalene	152	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Phenanthrene	400	ug/kg	11.7	11/22/19 20:25	
EPA 8270D by SIM	Pyrene	277	ug/kg	11.7	11/22/19 20:25	
EPA 8270D	Dibenzofuran	118J	ug/kg	385	11/23/19 14:43	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032010	**SA-SB-19 (5.5-6.0)**					
ASTM D2974-87	Percent Moisture	15.8	%	0.10	11/18/19 14:14	
92454032011	**SA-SB-25 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	2.4J	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Acenaphthylene	15.0	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Anthracene	30.2	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Benzo(a)anthracene	76.2	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Benzo(a)pyrene	68.8	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Benzo(b)fluoranthene	111	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Benzo(g,h,i)perylene	69.2	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Benzo(k)fluoranthene	35.8	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Chrysene	82.6	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Dibenz(a,h)anthracene	18.2	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Fluoranthene	116	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Fluorene	4.5J	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	55.8	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	1-Methylnaphthalene	14.6	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	2-Methylnaphthalene	21.5	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Naphthalene	28.1	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Phenanthrene	105	ug/kg	12.2	11/22/19 20:45	
EPA 8270D by SIM	Pyrene	109	ug/kg	12.2	11/22/19 20:45	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	11/18/19 14:35	
92454032012	**SA-SB-25 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	9.9J	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Acenaphthylene	25.3	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Anthracene	85.9	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Benzo(a)anthracene	136	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Benzo(a)pyrene	130	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Benzo(b)fluoranthene	184	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Benzo(g,h,i)perylene	125	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Benzo(k)fluoranthene	58.3	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Chrysene	146	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Dibenz(a,h)anthracene	31.1	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Fluoranthene	243	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Fluorene	20.5	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	97.3	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	1-Methylnaphthalene	58.9	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	2-Methylnaphthalene	87.4	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Naphthalene	101	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Phenanthrene	261	ug/kg	12.3	11/22/19 21:06	
EPA 8270D by SIM	Pyrene	221	ug/kg	12.3	11/22/19 21:06	
EPA 8270D	Dibenzofuran	72.0J	ug/kg	399	11/23/19 15:39	
EPA 8260B	Naphthalene	2.3J	ug/kg	4.8	11/22/19 19:06	B
ASTM D2974-87	Percent Moisture	17.5	%	0.10	11/18/19 14:36	
92454032013	**SA-SB-26 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	0.66J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Acenaphthylene	1.9J	ug/kg	12.9	11/22/19 21:27	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032013	**SA-SB-26 (0.5-1.0)**					
EPA 8270D by SIM	Anthracene	4.1J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Benzo(a)anthracene	15.5	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Benzo(a)pyrene	32.0	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Benzo(b)fluoranthene	39.3	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Benzo(g,h,i)perylene	26.1	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Benzo(k)fluoranthene	13.5	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Chrysene	17.2	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Dibenz(a,h)anthracene	8.2J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Fluoranthene	14.1	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Fluorene	1.5J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	23.6	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	1-Methylnaphthalene	5.9J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	2-Methylnaphthalene	7.6J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Naphthalene	9.6J	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Phenanthrene	21.1	ug/kg	12.9	11/22/19 21:27	
EPA 8270D by SIM	Pyrene	16.5	ug/kg	12.9	11/22/19 21:27	
EPA 8260B	1,2,4-Trichlorobenzene	55.5J	ug/kg	153	11/23/19 11:22	
ASTM D2974-87	Percent Moisture	22.6	%	0.10	11/18/19 14:36	
92454032014	**SA-SB-26 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	14.5	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Acenaphthylene	33.7	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Anthracene	85.5	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Benzo(a)anthracene	153	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Benzo(a)pyrene	118	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Benzo(b)fluoranthene	199	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Benzo(g,h,i)perylene	98.0	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Benzo(k)fluoranthene	69.4	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Chrysene	179	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Dibenz(a,h)anthracene	26.3	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Fluoranthene	371	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Fluorene	36.9	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	79.1	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	1-Methylnaphthalene	79.9	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	2-Methylnaphthalene	114	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Naphthalene	152	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Phenanthrene	483	ug/kg	11.7	11/22/19 21:48	
EPA 8270D by SIM	Pyrene	326	ug/kg	11.7	11/22/19 21:48	
EPA 8270D	Dibenzofuran	80.2J	ug/kg	388	11/23/19 16:35	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	11/18/19 14:36	
92454032015	**SA-SB-32 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthylene	0.54J	ug/kg	11.3	11/22/19 22:09	
EPA 8270D by SIM	Benzo(a)anthracene	0.83J	ug/kg	11.3	11/22/19 22:09	
EPA 8270D by SIM	Benzo(a)pyrene	0.72J	ug/kg	11.3	11/22/19 22:09	
EPA 8270D by SIM	Benzo(b)fluoranthene	1.1J	ug/kg	11.3	11/22/19 22:09	
EPA 8270D by SIM	Chrysene	0.65J	ug/kg	11.3	11/22/19 22:09	
EPA 8260B	Acetone	69.9J	ug/kg	84.8	11/22/19 20:23	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032015	**SA-SB-32 (0.5-1.0)**					
EPA 8260B	2-Hexanone	11.6J	ug/kg	42.4	11/22/19 20:23	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	11/18/19 14:36	
92454032016	**SA-SB-32 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	2.0J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Acenaphthylene	12.1	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Anthracene	12.0	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Benzo(a)anthracene	37.6	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Benzo(a)pyrene	36.1	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Benzo(b)fluoranthene	46.7	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Benzo(g,h,i)perylene	24.0	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Benzo(k)fluoranthene	17.0	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Chrysene	35.9	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Dibenz(a,h)anthracene	6.6J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Fluoranthene	62.6	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Fluorene	3.3J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	19.6	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	1-Methylnaphthalene	1.9J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	2-Methylnaphthalene	3.0J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Naphthalene	5.1J	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Phenanthrene	31.9	ug/kg	11.5	11/24/19 12:05	
EPA 8270D by SIM	Pyrene	70.3	ug/kg	11.5	11/24/19 12:05	
EPA 8260B	Acetone	43.7J	ug/kg	95.9	11/22/19 20:49	
ASTM D2974-87	Percent Moisture	13.4	%	0.10	11/18/19 14:36	
92454032017	**SA-SB-33 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	2.0J	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Acenaphthylene	15.3	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Anthracene	25.0	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Benzo(a)anthracene	39.6	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Benzo(a)pyrene	34.2	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Benzo(b)fluoranthene	54.0	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Benzo(g,h,i)perylene	28.0	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Benzo(k)fluoranthene	17.7	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Chrysene	41.4	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Dibenz(a,h)anthracene	7.7J	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Fluoranthene	84.8	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Fluorene	10J	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	23.6	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	1-Methylnaphthalene	11.7J	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	2-Methylnaphthalene	17.2	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Naphthalene	26.5	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Phenanthrene	101	ug/kg	12.2	11/22/19 22:50	
EPA 8270D by SIM	Pyrene	69.2	ug/kg	12.2	11/22/19 22:50	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	11/18/19 14:36	
92454032018	**SA-SB-33 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	10.7J	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	Acenaphthylene	28.4	ug/kg	11.8	11/23/19 00:55	M1

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032018	**SA-SB-33 (5.5-6.0)**					
EPA 8270D by SIM	Anthracene	86.0	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Benzo(a)anthracene	143	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Benzo(a)pyrene	108	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Benzo(b)fluoranthene	192	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Benzo(g,h,i)perylene	111	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	Benzo(k)fluoranthene	61.5	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	Chrysene	165	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Dibenz(a,h)anthracene	27.1	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	Fluoranthene	328	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Fluorene	21.2	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	84.5	ug/kg	11.8	11/23/19 00:55	
EPA 8270D by SIM	1-Methylnaphthalene	45.3	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	2-Methylnaphthalene	71.3	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Naphthalene	116	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Phenanthrene	357	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D by SIM	Pyrene	265	ug/kg	11.8	11/23/19 00:55	M1
EPA 8270D	Dibenzofuran	115J	ug/kg	389	11/24/19 00:32	
EPA 8260B	Naphthalene	143	ug/kg	130	11/21/19 19:40	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	11/18/19 14:36	
92454032019	**SA-SB-34 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	3.2J	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Acenaphthylene	6.8J	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Anthracene	28.0	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Benzo(a)anthracene	53.0	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Benzo(a)pyrene	42.3	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Benzo(b)fluoranthene	84.1	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Benzo(g,h,i)perylene	49.2	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Benzo(k)fluoranthene	25.6	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Chrysene	75.5	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Dibenz(a,h)anthracene	12.0	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Fluoranthene	125	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Fluorene	3.8J	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	35.9	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	1-Methylnaphthalene	24.6	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	2-Methylnaphthalene	35.4	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Naphthalene	49.0	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Phenanthrene	145	ug/kg	11.8	11/22/19 23:11	
EPA 8270D by SIM	Pyrene	99.8	ug/kg	11.8	11/22/19 23:11	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	11/18/19 14:36	
92454032020	**SA-SB-34 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	42.1	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Anthracene	131	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Benzo(a)anthracene	157	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Benzo(a)pyrene	127	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Benzo(b)fluoranthene	212	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Benzo(g,h,i)perylene	102	ug/kg	12.2	11/23/19 01:58	

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(704)875-9092

SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032020	**SA-SB-34 (5.5-6.0)**					
EPA 8270D by SIM	Benzo(k)fluoranthene	77.9	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Chrysene	199	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Dibenz(a,h)anthracene	29.7	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Fluoranthene	439	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Fluorene	52.9	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	82.8	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	1-Methylnaphthalene	182	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	2-Methylnaphthalene	266	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Naphthalene	366	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Phenanthrene	684	ug/kg	12.2	11/23/19 01:58	
EPA 8270D by SIM	Pyrene	295	ug/kg	12.2	11/23/19 01:58	
EPA 8270D	Dibenzofuran	113J	ug/kg	390	11/23/19 18:55	
ASTM D2974-87	Percent Moisture	16.7	%	0.10	11/18/19 14:37	
92454032021	**SA-SB-39 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthylene	1.1J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Anthracene	1.1J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Benzo(a)anthracene	2.7J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Benzo(a)pyrene	1.8J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Benzo(b)fluoranthene	2.3J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Benzo(k)fluoranthene	1.2J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Chrysene	2.5J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Fluoranthene	4.6J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Phenanthrene	1.6J	ug/kg	11.5	11/23/19 02:19	
EPA 8270D by SIM	Pyrene	3.8J	ug/kg	11.5	11/23/19 02:19	
EPA 8260B	Acetone	123	ug/kg	91.9	11/22/19 12:52	
EPA 8260B	2-Butanone (MEK)	3.9J	ug/kg	91.9	11/22/19 12:52	
EPA 8260B	2-Hexanone	67.3	ug/kg	46.0	11/22/19 12:52	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	11/18/19 14:37	
92454032022	**SA-SB-39 (5.5-6.0)**					
EPA 8270D by SIM	1-Methylnaphthalene	1.1J	ug/kg	12.1	11/23/19 02:39	
EPA 8270D by SIM	2-Methylnaphthalene	1.5J	ug/kg	12.1	11/23/19 02:39	
EPA 8270D by SIM	Naphthalene	5.8J	ug/kg	12.1	11/23/19 02:39	
EPA 8270D by SIM	Phenanthrene	1.5J	ug/kg	12.1	11/23/19 02:39	
ASTM D2974-87	Percent Moisture	15.7	%	0.10	11/18/19 14:37	
92454032023	**SA-SB-40 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	8.8J	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Acenaphthylene	165	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Anthracene	114	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Benzo(a)anthracene	376	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Benzo(a)pyrene	354	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Benzo(b)fluoranthene	442	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Benzo(g,h,i)perylene	206	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Benzo(k)fluoranthene	184	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Chrysene	342	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Dibenz(a,h)anthracene	63.8	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Fluoranthene	489	ug/kg	12.9	11/23/19 03:00	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032023	**SA-SB-40 (0.5-1.0)**					
EPA 8270D by SIM	Fluorene	32.2	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	182	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	1-Methylnaphthalene	15.2	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	2-Methylnaphthalene	25.2	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Naphthalene	55.2	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Phenanthrene	213	ug/kg	12.9	11/23/19 03:00	
EPA 8270D by SIM	Pyrene	575	ug/kg	12.9	11/23/19 03:00	
ASTM D2974-87	Percent Moisture	21.5	%	0.10	11/18/19 14:37	
92454032024	**SA-SB-40 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	3.3J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Acenaphthylene	5.7J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Anthracene	10.2J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Benzo(a)anthracene	6.8J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Benzo(a)pyrene	6.8J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Benzo(b)fluoranthene	7.7J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Benzo(g,h,i)perylene	4.6J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Benzo(k)fluoranthene	3.0J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Chrysene	5.8J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Fluoranthene	20.7	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Fluorene	8.1J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	4.0J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	1-Methylnaphthalene	7.4J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	2-Methylnaphthalene	9.8J	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Naphthalene	18.5	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Phenanthrene	32.0	ug/kg	11.3	11/23/19 03:21	
EPA 8270D by SIM	Pyrene	18.5	ug/kg	11.3	11/23/19 03:21	
EPA 8260B	Naphthalene	3.4J	ug/kg	4.2	11/22/19 15:17	B
ASTM D2974-87	Percent Moisture	12.4	%	0.10	11/18/19 14:37	
92454032025	**SA-SB-41 (0.5-1.0)**					
EPA 8270D by SIM	Anthracene	0.52J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Benzo(a)anthracene	2.3J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Benzo(a)pyrene	2.3J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Benzo(b)fluoranthene	2.5J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Benzo(g,h,i)perylene	3.0J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Benzo(k)fluoranthene	3.0J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Chrysene	3.4J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Dibenz(a,h)anthracene	3.8J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	3.3J	ug/kg	11.8	11/23/19 10:19	
EPA 8270D by SIM	Pyrene	1.3J	ug/kg	11.8	11/23/19 10:19	
EPA 8260B	Acetone	26.2J	ug/kg	94.5	11/22/19 15:42	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	11/18/19 14:37	
92454032026	**SA-SB-41 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	6.2J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Acenaphthylene	1.5J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Anthracene	6.2J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Benzo(a)anthracene	6.8J	ug/kg	11.6	11/23/19 10:40	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032026	**SA-SB-41 (5.5-6.0)**					
EPA 8270D by SIM	Benzo(a)pyrene	5.2J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Benzo(b)fluoranthene	8.7J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Benzo(g,h,i)perylene	4.8J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Benzo(k)fluoranthene	3.2J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Chrysene	8.0J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Fluoranthene	20.0	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Fluorene	5.0J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	3.8J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	1-Methylnaphthalene	4.4J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	2-Methylnaphthalene	3.3J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Naphthalene	8.2J	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Phenanthrene	21.4	ug/kg	11.6	11/23/19 10:40	
EPA 8270D by SIM	Pyrene	18.2	ug/kg	11.6	11/23/19 10:40	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	11/18/19 14:37	
92454032027	**SA-SB-42 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	10.9J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Acenaphthylene	0.97J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Anthracene	20.6	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Benzo(a)anthracene	55.7	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Benzo(a)pyrene	52.4	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Benzo(b)fluoranthene	73.6	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Benzo(g,h,i)perylene	47.2	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Benzo(k)fluoranthene	29.2	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Chrysene	54.0	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Dibenz(a,h)anthracene	10.4J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Fluoranthene	135	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Fluorene	6.7J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	37.1	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	1-Methylnaphthalene	1.1J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	2-Methylnaphthalene	1.1J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Naphthalene	1.7J	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Phenanthrene	87.5	ug/kg	11.9	11/23/19 11:00	
EPA 8270D by SIM	Pyrene	103	ug/kg	11.9	11/23/19 11:00	
EPA 8260B	Acetone	113	ug/kg	105	11/22/19 16:33	
EPA 8260B	2-Hexanone	70.6	ug/kg	52.6	11/22/19 16:33	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	11/18/19 14:37	
92454032028	**SA-SB-42 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	1.7J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	Anthracene	0.66J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	Fluorene	1.6J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	1-Methylnaphthalene	3.8J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	2-Methylnaphthalene	1.2J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	Naphthalene	6.1J	ug/kg	11.2	11/23/19 11:21	
EPA 8270D by SIM	Phenanthrene	3.2J	ug/kg	11.2	11/23/19 11:21	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	11/18/19 14:37	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032029	**SA-SB-44 (0.5-1.0)**					
EPA 8260B	Acetone	59.5J	ug/kg	94.8	11/22/19 17:24	
EPA 8260B	2-Hexanone	4.6J	ug/kg	47.4	11/22/19 17:24	
ASTM D2974-87	Percent Moisture	20.4	%	0.10	11/18/19 14:37	
92454032030	**SA-SB-44 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	114	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Acenaphthylene	40.1	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Anthracene	94.5	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Benzo(a)anthracene	85.7	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Benzo(a)pyrene	82.6	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Benzo(b)fluoranthene	102	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Benzo(g,h,i)perylene	51.6	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Benzo(k)fluoranthene	34.7	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Chrysene	77.8	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Dibenz(a,h)anthracene	12.6	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Fluoranthene	189	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Fluorene	92.4	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	44.5	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	1-Methylnaphthalene	162	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	2-Methylnaphthalene	42.5	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Naphthalene	566	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Phenanthrene	316	ug/kg	12.3	11/23/19 12:03	
EPA 8270D by SIM	Pyrene	205	ug/kg	12.3	11/23/19 12:03	
EPA 8270D	Dibenzofuran	125J	ug/kg	400	11/23/19 21:43	
EPA 8260B	Ethylbenzene	3.0J	ug/kg	4.1	11/22/19 17:50	
EPA 8260B	Naphthalene	6190	ug/kg	204	11/24/19 13:54	
EPA 8260B	1,2,4-Trimethylbenzene	4.2	ug/kg	4.1	11/22/19 17:50	
EPA 8260B	1,3,5-Trimethylbenzene	1.5J	ug/kg	4.1	11/22/19 17:50	
ASTM D2974-87	Percent Moisture	18.7	%	0.10	11/18/19 14:37	
92454032031	**SA-SB-45 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	0.71J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Acenaphthylene	9.3J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Anthracene	7.8J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Benzo(a)anthracene	21.1	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Benzo(a)pyrene	24.3	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Benzo(b)fluoranthene	28.8	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Benzo(g,h,i)perylene	16.7	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Benzo(k)fluoranthene	14.0	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Chrysene	20.0	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Dibenz(a,h)anthracene	4.4J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Fluoranthene	34.6	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Fluorene	1.7J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	14.1	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	1-Methylnaphthalene	4.2J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	2-Methylnaphthalene	6.6J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Naphthalene	9.2J	ug/kg	12.8	11/23/19 12:24	
EPA 8270D by SIM	Phenanthrene	19.8	ug/kg	12.8	11/23/19 12:24	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032031	**SA-SB-45 (0.5-1.0)**					
EPA 8270D by SIM	Pyrene	35.1	ug/kg	12.8	11/23/19 12:24	
EPA 8270D	Dibenzofuran	80.8J	ug/kg	420	11/24/19 11:10	
EPA 8260B	Acetone	168	ug/kg	115	11/23/19 16:20	
EPA 8260B	2-Hexanone	37.8J	ug/kg	57.4	11/23/19 16:20	
EPA 8260B	p-Isopropyltoluene	5.5J	ug/kg	5.7	11/23/19 16:20	
ASTM D2974-87	Percent Moisture	21.8	%	0.10	11/19/19 12:41	
92454032032	**SA-SB-45 (5.5-6.0)**					
EPA 8260B	Methylene Chloride	295J	ug/kg	447	11/23/19 11:46	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	11/19/19 12:41	
92454032033	**SA-SB-46 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	1280	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Acenaphthylene	1450	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Anthracene	3250	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Benzo(a)anthracene	6470	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Benzo(a)pyrene	5890	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Benzo(b)fluoranthene	7700	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Benzo(g,h,i)perylene	3000	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Benzo(k)fluoranthene	2940	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Chrysene	6230	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Dibenz(a,h)anthracene	1080	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Fluoranthene	11000	ug/kg	231	11/23/19 15:10	
EPA 8270D by SIM	Fluorene	1860	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	2720	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	1-Methylnaphthalene	1020	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	2-Methylnaphthalene	1250	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Naphthalene	2090	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Phenanthrene	9410	ug/kg	116	11/23/19 14:28	
EPA 8270D by SIM	Pyrene	9670	ug/kg	231	11/23/19 15:10	
EPA 8260B	Naphthalene	74.9	ug/kg	6.2	11/21/19 16:27	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	11/19/19 12:41	
92454032034	**SA-SB-46 (5.5-6.0)**					
EPA 8270D by SIM	Acenaphthene	1150	ug/kg	68.7	11/24/19 12:47	M1
EPA 8270D by SIM	Acenaphthylene	4380	ug/kg	68.7	11/24/19 12:47	M1, R1
EPA 8270D by SIM	Anthracene	21100	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Benzo(a)anthracene	27900	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Benzo(a)pyrene	21500	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Benzo(b)fluoranthene	27200	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Benzo(g,h,i)perylene	12300	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Benzo(k)fluoranthene	12100	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Chrysene	24000	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Dibenz(a,h)anthracene	2170	ug/kg	68.7	11/24/19 12:47	M1, R1
EPA 8270D by SIM	Fluoranthene	63300	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Fluorene	8840	ug/kg	1370	11/25/19 10:38	M1
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	11000	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	1-Methylnaphthalene	1170	ug/kg	68.7	11/24/19 12:47	M1, R1
EPA 8270D by SIM	2-Methylnaphthalene	1450	ug/kg	68.7	11/24/19 12:47	M1, R1

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032034	**SA-SB-46 (5.5-6.0)**					
EPA 8270D by SIM	Naphthalene	2630	ug/kg	68.7	11/24/19 12:47	M1, R1
EPA 8270D by SIM	Phenanthrene	77700	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8270D by SIM	Pyrene	50300	ug/kg	1370	11/25/19 10:38	M1, R1
EPA 8260B	Acetone	76.8J	ug/kg	122	11/21/19 16:51	M1
EPA 8260B	p-Isopropyltoluene	2.3J	ug/kg	6.1	11/21/19 16:51	M1, R1
EPA 8260B	Naphthalene	5.7J	ug/kg	6.1	11/21/19 16:51	M1, R1
ASTM D2974-87	Percent Moisture	27.2	%	0.10	11/19/19 12:41	
92454032035	**SA-SB-47 (0.5-1.0)**					
EPA 8270D by SIM	Acenaphthene	3.8J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Acenaphthylene	12.0J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Anthracene	19.4	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Benzo(a)anthracene	41.0	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Benzo(a)pyrene	44.2	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Benzo(b)fluoranthene	55.9	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Benzo(g,h,i)perylene	34.2	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Benzo(k)fluoranthene	20.2	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Chrysene	38.8	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Dibenz(a,h)anthracene	8.3J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Fluoranthene	76.9	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Fluorene	8.5J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	27.8	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	1-Methylnaphthalene	13.2J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	2-Methylnaphthalene	16.6J	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Naphthalene	26.1	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Phenanthrene	76.3	ug/kg	17.4	11/23/19 13:05	
EPA 8270D by SIM	Pyrene	77.0	ug/kg	17.4	11/23/19 13:05	
ASTM D2974-87	Percent Moisture	43.3	%	0.10	11/19/19 12:41	
92454032036	**SA-SB-47 (5.5-6.0)**					
EPA 8270D by SIM	Anthracene	1.1J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Benzo(a)anthracene	2.3J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Benzo(a)pyrene	2.6J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Benzo(b)fluoranthene	4.6J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Benzo(g,h,i)perylene	3.0J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Benzo(k)fluoranthene	1.5J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Chrysene	2.7J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Fluoranthene	4.2J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	2.5J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	1-Methylnaphthalene	1.4J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	2-Methylnaphthalene	1.9J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Naphthalene	2.8J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Phenanthrene	4.2J	ug/kg	12.3	11/23/19 13:26	
EPA 8270D by SIM	Pyrene	3.3J	ug/kg	12.3	11/23/19 13:26	
ASTM D2974-87	Percent Moisture	18.8	%	0.10	11/19/19 12:41	
92454032037	**Blind DUP-4**					
EPA 8270D by SIM	Acenaphthene	17.6	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Anthracene	111	ug/kg	11.8	11/23/19 13:47	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032037	**Blind DUP-4**					
EPA 8270D by SIM	Benzo(a)anthracene	135	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Benzo(a)pyrene	112	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Benzo(b)fluoranthene	163	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Benzo(g,h,i)perylene	106	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Benzo(k)fluoranthene	67.0	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Chrysene	146	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Dibenz(a,h)anthracene	25.6	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Fluoranthene	295	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Fluorene	37.1	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	80.4	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	1-Methylnaphthalene	67.7	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	2-Methylnaphthalene	109	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Naphthalene	164	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Phenanthrene	399	ug/kg	11.8	11/23/19 13:47	
EPA 8270D by SIM	Pyrene	260	ug/kg	11.8	11/23/19 13:47	
EPA 8270D	Dibenzofuran	123J	ug/kg	396	11/23/19 23:36	
EPA 8260B	Acetone	63.3J	ug/kg	92.2	11/23/19 12:04	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	11/19/19 12:42	
92454032038	**Blind DUP-5**					
EPA 8270D by SIM	Acenaphthene	577	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Acenaphthylene	786	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Anthracene	1300	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Benzo(a)anthracene	2760	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Benzo(a)pyrene	2380	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Benzo(b)fluoranthene	3420	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Benzo(g,h,i)perylene	1270	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Benzo(k)fluoranthene	1090	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Chrysene	2670	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Dibenz(a,h)anthracene	362	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Fluoranthene	5040	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Fluorene	799	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	1140	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	1-Methylnaphthalene	415	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	2-Methylnaphthalene	477	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Naphthalene	806	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Phenanthrene	3530	ug/kg	116	11/23/19 14:49	
EPA 8270D by SIM	Pyrene	4720	ug/kg	116	11/23/19 14:49	
EPA 8260B	Acetone	116J	ug/kg	123	11/23/19 12:30	
EPA 8260B	Naphthalene	20.2	ug/kg	6.2	11/23/19 12:30	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	11/19/19 12:42	
92454032039	**Blind DUP-3**					
EPA 8270D by SIM	Acenaphthene	3.0J	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Acenaphthylene	25.3	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Anthracene	30.2	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Benzo(a)anthracene	54.5	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Benzo(a)pyrene	52.0	ug/kg	12.1	11/23/19 14:07	

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SUMMARY OF DETECTION

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92454032039	**Blind DUP-3**					
EPA 8270D by SIM	Benzo(b)fluoranthene	72.7	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Benzo(g,h,i)perylene	45.5	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Benzo(k)fluoranthene	31.0	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Chrysene	59.3	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Dibenz(a,h)anthracene	10.7J	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Fluoranthene	113	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Fluorene	8.5J	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Indeno(1,2,3-cd)pyrene	35.7	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	1-Methylnaphthalene	11.8J	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	2-Methylnaphthalene	17.6	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Naphthalene	33.4	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Phenanthrene	113	ug/kg	12.1	11/23/19 14:07	
EPA 8270D by SIM	Pyrene	93.6	ug/kg	12.1	11/23/19 14:07	
ASTM D2974-87	Percent Moisture	16.3	%	0.10	11/19/19 12:42	

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: Duke Energy
Date: December 09, 2019

General Information:
39 samples were analyzed for EPA 8270D by SIM. 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.

QC Batch: 511165

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- Blind DUP-5 (Lab ID: 92454032038)
  - 2-Fluorobiphenyl (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (S)
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - 2-Fluorobiphenyl (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (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.

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: Duke Energy
Date: December 09, 2019

QC Batch: 511163

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92454032009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2742155)
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Indeno(1,2,3-cd)pyrene
- MSD (Lab ID: 2742156)
  - Benzo(b)fluoranthene
  - Fluoranthene
  - Pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2742156)
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Pyrene

QC Batch: 511165

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92454032018

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2742162)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Chrysene
  - Fluoranthene
  - Naphthalene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 2742163)
  - 2-Methylnaphthalene
  - Acenaphthylene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: Duke Energy
Date: December 09, 2019

QC Batch: 511165

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92454032018

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Chrysene
- Fluoranthene
- Naphthalene
- Phenanthrene
- Pyrene

QC Batch: 511399

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2743404)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Fluorene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 2743405)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: Duke Energy
Date: December 09, 2019

QC Batch: 511399

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Chrysene
- Dibenz(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2743405)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

Additional Comments:

Analyte Comments:

QC Batch: 511165

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- Blind DUP-5 (Lab ID: 92454032038)
  - Nitrobenzene-d5 (S)
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - Nitrobenzene-d5 (S)

QC Batch: 511399

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MS (Lab ID: 2743404)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: Duke Energy
Date: December 09, 2019

Analyte Comments:

QC Batch: 511399

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MSD (Lab ID: 2743405)
  - Nitrobenzene-d5 (S)
- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Microwave SC
Client: Duke Energy
Date: December 09, 2019

General Information:
39 samples were analyzed for EPA 8270D. 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.

QC Batch: 511168

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

- SA-SB-18 (0.5-1.0) (Lab ID: 92454032007)
  - Hexachlorocyclopentadiene
- SA-SB-19 (5.5-6.0) (Lab ID: 92454032010)
  - Hexachlorocyclopentadiene
- SA-SB-25 (0.5-1.0) (Lab ID: 92454032011)
  - Hexachlorocyclopentadiene
- SA-SB-25 (5.5-6.0) (Lab ID: 92454032012)
  - Hexachlorocyclopentadiene
- SA-SB-26 (0.5-1.0) (Lab ID: 92454032013)
  - Hexachlorocyclopentadiene
- SA-SB-26 (5.5-6.0) (Lab ID: 92454032014)
  - Hexachlorocyclopentadiene
- SA-SB-32 (0.5-1.0) (Lab ID: 92454032015)
  - Hexachlorocyclopentadiene
- SA-SB-32 (5.5-6.0) (Lab ID: 92454032016)
  - Hexachlorocyclopentadiene
- SA-SB-33 (0.5-1.0) (Lab ID: 92454032017)
  - Hexachlorocyclopentadiene
- SA-SB-34 (0.5-1.0) (Lab ID: 92454032019)
  - Hexachlorocyclopentadiene
- SA-SB-34 (5.5-6.0) (Lab ID: 92454032020)
  - Hexachlorocyclopentadiene
- SA-SB-39 (0.5-1.0) (Lab ID: 92454032021)
  - Hexachlorocyclopentadiene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Microwave SC
Client: Duke Energy
Date: December 09, 2019

QC Batch: 511171

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- Blind DUP-5 (Lab ID: 92454032038)
  - 2-Nitroaniline
- MS (Lab ID: 2742183)
  - 2-Nitroaniline
- MSD (Lab ID: 2742184)
  - 2-Nitroaniline
- SA-SB-41 (5.5-6.0) (Lab ID: 92454032026)
  - Hexachlorocyclopentadiene
- SA-SB-45 (0.5-1.0) (Lab ID: 92454032031)
  - 2-Nitroaniline
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - 2-Nitroaniline
- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - 2-Nitroaniline

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

- Blind DUP-3 (Lab ID: 92454032039)
  - Hexachlorocyclopentadiene
- Blind DUP-4 (Lab ID: 92454032037)
  - Hexachlorocyclopentadiene
- Blind DUP-5 (Lab ID: 92454032038)
  - Hexachlorocyclopentadiene
- MS (Lab ID: 2742181)
  - Hexachlorocyclopentadiene
- MS (Lab ID: 2742183)
  - Hexachlorocyclopentadiene
- MSD (Lab ID: 2742182)
  - Hexachlorocyclopentadiene
- MSD (Lab ID: 2742184)
  - Hexachlorocyclopentadiene
- SA-SB-33 (5.5-6.0) (Lab ID: 92454032018)
  - Hexachlorocyclopentadiene
- SA-SB-42 (0.5-1.0) (Lab ID: 92454032027)
  - Hexachlorocyclopentadiene
- SA-SB-42 (5.5-6.0) (Lab ID: 92454032028)
  - Hexachlorocyclopentadiene
- SA-SB-44 (0.5-1.0) (Lab ID: 92454032029)
  - Hexachlorocyclopentadiene
- SA-SB-44 (5.5-6.0) (Lab ID: 92454032030)
  - Hexachlorocyclopentadiene
- SA-SB-45 (0.5-1.0) (Lab ID: 92454032031)
  - Hexachlorocyclopentadiene
- SA-SB-45 (5.5-6.0) (Lab ID: 92454032032)

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Microwave SC
Client: Duke Energy
Date: December 09, 2019

QC Batch: 511171

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

- Hexachlorocyclopentadiene
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - Hexachlorocyclopentadiene
- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - Hexachlorocyclopentadiene
- SA-SB-47 (0.5-1.0) (Lab ID: 92454032035)
  - Hexachlorocyclopentadiene
- SA-SB-47 (5.5-6.0) (Lab ID: 92454032036)
  - Hexachlorocyclopentadiene

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: 511171

S0: Surrogate recovery outside laboratory control limits.

- MSD (Lab ID: 2742184)
  - 2,4,6-Tribromophenol (S)
- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - 2,4,6-Tribromophenol (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- Blind DUP-5 (Lab ID: 92454032038)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

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

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Microwave SC
Client: Duke Energy
Date: December 09, 2019

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.

Additional Comments:

Analyte Comments:

QC Batch: 511168

1g: Comment applies to all compounds outside control limits.
- MS (Lab ID: 2742171)
  - Benzoic Acid
- MSD (Lab ID: 2742172)
  - Benzoic Acid

4g: Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.
- MS (Lab ID: 2742171)
  - Benzoic Acid
- MSD (Lab ID: 2742172)
  - Benzoic Acid

QC Batch: 511171

1g: Comment applies to all compounds outside control limits.
- MS (Lab ID: 2742181)
  - Phenol
- MSD (Lab ID: 2742182)
  - Phenol

2g: Due to extraction error, the MS/MSD were not spiked with all target compounds for analysis.
- MS (Lab ID: 2742183)
  - Phenol
- MSD (Lab ID: 2742184)
  - Phenol

4g: Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.
- MS (Lab ID: 2742181)
  - Phenol
- MSD (Lab ID: 2742182)
  - Phenol

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- Blind DUP-5 (Lab ID: 92454032038)
  - Nitrobenzene-d5 (S)
- MS (Lab ID: 2742183)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Microwave SC
Client: Duke Energy
Date: December 09, 2019

Analyte Comments:

QC Batch: 511171

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MSD (Lab ID: 2742184)
  - Nitrobenzene-d5 (S)
- SA-SB-46 (0.5-1.0) (Lab ID: 92454032033)
  - Nitrobenzene-d5 (S)
- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - Nitrobenzene-d5 (S)

P2: Re-extraction or re-analysis could not be performed due to insufficient sample amount.

- SA-SB-46 (5.5-6.0) (Lab ID: 92454032034)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Semivolatile Org SC
Client: Duke Energy
Date: December 09, 2019

General Information:
2 samples were analyzed for EPA 8270D. 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 3510C 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.

Additional Comments:

Analyte Comments:

QC Batch: 510120

1g: Comment applies to all compounds outside control limits.

- LCS (Lab ID: 2737327)
  - Phenol

4g: Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.

- LCS (Lab ID: 2737327)
  - Phenol

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8270D**
Description: 8270 MSSV Semivolatile Org SC
Client: Duke Energy
Date: December 09, 2019

Analyte Comments:

QC Batch: 510120

5g: Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.

Comment applies to all compounds outside control limits.

- MS (Lab ID: 2742375)
  - Phenol
- MSD (Lab ID: 2742376)
  - Phenol

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260 MSV Low Level SC
Client: Duke Energy
Date: December 09, 2019

General Information:
1 sample was analyzed for EPA 8260B. 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.

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:

Analyte Comments:

QC Batch: 511258

3g: Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

- LCS (Lab ID: 2742638)
  - Bromomethane

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

General Information:
39 samples were analyzed for EPA 8260B. 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 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.

QC Batch: 511047

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

- SA-SB-18 (5.5-6.0) (Lab ID: 92454032008)
  - Toluene-d8 (S)
- SA-SB-19 (5.5-6.0) (Lab ID: 92454032010)
  - Toluene-d8 (S)

QC Batch: 511222

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

- SA-SB-33 (0.5-1.0) (Lab ID: 92454032017)
  - Toluene-d8 (S)
- SA-SB-34 (5.5-6.0) (Lab ID: 92454032020)
  - Toluene-d8 (S)
- SA-SB-42 (5.5-6.0) (Lab ID: 92454032028)
  - 1,2-Dichloroethane-d4 (S)

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

QC Batch: 511222

B: Analyte was detected in the associated method blank.

- BLANK for HBN 511222 [MSV/5770 (Lab ID: 2742431)
  - Naphthalene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 510979

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2741203)
  - Bromomethane

QC Batch: 511047

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2741693)
  - Bromomethane
- LCSD (Lab ID: 2741694)
  - Bromomethane

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

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2741204)
  - Bromomethane
- MS (Lab ID: 2741210)
  - Bromomethane
- MSD (Lab ID: 2741205)
  - Bromomethane
- MSD (Lab ID: 2741211)
  - Bromomethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2741204)
  - 2-Hexanone
  - Trichlorofluoromethane
  - Vinyl chloride
- MS (Lab ID: 2741206)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 2-Chlorotoluene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Acetone
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chloroethane
- Dibromochloromethane
- Hexachloro-1,3-butadiene
- Naphthalene
- Styrene
- Tetrachloroethene
- Vinyl acetate
- Vinyl chloride
- cis-1,3-Dichloropropene
- n-Butylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,3-Dichloropropene

- MS (Lab ID: 2741208)
  - 1,1,2-Trichloroethane
  - 1,1-Dichloropropene
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,2-Dibromoethane (EDB)
  - 1,2-Dichlorobenzene
  - 1,2-Dichloroethane
  - 1,3-Dichlorobenzene
  - 1,3-Dichloropropane
  - 1,4-Dichlorobenzene
  - 2-Butanone (MEK)
  - 2-Chlorotoluene
  - 4-Chlorotoluene
  - Benzene
  - Bromobenzene
  - Bromodichloromethane
  - Bromoform
  - Chlorobenzene
  - Dibromochloromethane
  - Dibromomethane
  - Ethylbenzene
  - Hexachloro-1,3-butadiene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Isopropylbenzene (Cumene)
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Vinyl acetate
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

- MS (Lab ID: 2741210)
  - Chloroethane
  - Trichlorofluoromethane
- MSD (Lab ID: 2741205)
  - Trichlorofluoromethane
  - Vinyl chloride
- MSD (Lab ID: 2741207)
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - Acetone
  - Bromoform
  - Hexachloro-1,3-butadiene
  - Naphthalene
  - Trichlorofluoromethane
  - Vinyl acetate
  - Vinyl chloride
  - cis-1,3-Dichloropropene
  - n-Butylbenzene
  - p-Isopropyltoluene
  - tert-Butylbenzene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- trans-1,3-Dichloropropene

- MSD (Lab ID: 2741209)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,1-Dichloropropene
  - 1,2,3-Trichlorobenzene
  - 1,2,3-Trichloropropane
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,2-Dichlorobenzene
  - 1,2-Dichloroethane
  - 1,2-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - 1,3-Dichlorobenzene
  - 1,3-Dichloropropane
  - 1,4-Dichlorobenzene
  - 2,2-Dichloropropane
  - 2-Butanone (MEK)
  - 2-Chlorotoluene
  - 4-Chlorotoluene
  - Benzene
  - Bromobenzene
  - Bromochloromethane
  - Bromodichloromethane
  - Bromoform
  - Carbon tetrachloride
  - Chlorobenzene
  - Chloroethane
  - Chloroform
  - Chloromethane
  - Dibromochloromethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Diisopropyl ether
  - Ethylbenzene
  - Hexachloro-1,3-butadiene

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(704)875-9092

PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl acetate
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

- MSD (Lab ID: 2741211)
  - Chloroethane
  - Methylene Chloride
  - Trichlorofluoromethane

R1: RPD value was outside control limits.

- MSD (Lab ID: 2741207)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,1-Dichloropropene
  - 1,2,3-Trichlorobenzene
  - 1,2,3-Trichloropropane
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,2-Dichlorobenzene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

R1: RPD value was outside control limits.

- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 2-Chlorotoluene
- 4-Chlorotoluene
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dibromomethane
- Dichlorodifluoromethane
- Diisopropyl ether
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Naphthalene
- Styrene
- Tetrachloroethene
- Toluene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

R1: RPD value was outside control limits.

- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

- MSD (Lab ID: 2741209)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,2-Dibromoethane (EDB)
  - 1,2-Dichlorobenzene
  - 1,2-Dichloroethane
  - 1,2-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - 1,3-Dichlorobenzene
  - 1,3-Dichloropropane
  - 1,4-Dichlorobenzene
  - 2,2-Dichloropropane
  - 2-Chlorotoluene
  - 4-Chlorotoluene
  - Benzene
  - Bromobenzene
  - Bromochloromethane
  - Bromodichloromethane
  - Bromomethane
  - Carbon tetrachloride
  - Chlorobenzene
  - Chloroethane
  - Chloroform
  - Chloromethane
  - Dibromochloromethane
  - Diisopropyl ether
  - Ethylbenzene
  - Hexachloro-1,3-butadiene
  - Isopropylbenzene (Cumene)
  - Methyl-tert-butyl ether
  - Styrene
  - Tetrachloroethene
  - Toluene
  - Trichloroethene

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

QC Batch: 510979

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92453846040,92454032009,92454032018,92454032034

R1: RPD value was outside control limits.

- Trichlorofluoromethane
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Additional Comments:

Analyte Comments:

QC Batch: 510979

3g: Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

- LCS (Lab ID: 2741203)
  - 2-Butanone (MEK)
  - cis-1,3-Dichloropropene
  - Dichlorodifluoromethane
  - Diisopropyl ether
  - Trichloroethene
  - Vinyl acetate

QC Batch: 511047

3g: Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

- LCS (Lab ID: 2741693)
  - Chloroethane
- LCSD (Lab ID: 2741694)
  - Chloroethane

QC Batch: 511222

3g: Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

- LCS (Lab ID: 2742432)
  - Chloroethane
- LCSD (Lab ID: 2742433)
  - Chloroethane

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PROJECT NARRATIVE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Method: **EPA 8260B**
Description: 8260/5035A SC Volatile Org
Client: Duke Energy
Date: December 09, 2019

Analyte Comments:

QC Batch: 511378

3g: Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

- LCS (Lab ID: 2743314)
  - Chloroethane
- LCSD (Lab ID: 2743315)
  - Chloroethane

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

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (0.5-1.0) **Lab ID: 92454032001** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.5J**	ug/kg	11.8	0.59	1	11/22/19 10:24	11/22/19 16:35	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	0.53	1	11/22/19 10:24	11/22/19 16:35	208-96-8	
Anthracene	**27.6**	ug/kg	11.8	0.48	1	11/22/19 10:24	11/22/19 16:35	120-12-7	
Benzo(a)anthracene	**36.2**	ug/kg	11.8	0.86	1	11/22/19 10:24	11/22/19 16:35	56-55-3	
Benzo(a)pyrene	**25.8**	ug/kg	11.8	0.59	1	11/22/19 10:24	11/22/19 16:35	50-32-8	
Benzo(b)fluoranthene	**53.6**	ug/kg	11.8	0.84	1	11/22/19 10:24	11/22/19 16:35	205-99-2	
Benzo(g,h,i)perylene	**34.7**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 16:35	191-24-2	
Benzo(k)fluoranthene	**16.4**	ug/kg	11.8	0.47	1	11/22/19 10:24	11/22/19 16:35	207-08-9	
Chrysene	**52.5**	ug/kg	11.8	0.57	1	11/22/19 10:24	11/22/19 16:35	218-01-9	
Dibenz(a,h)anthracene	**8.3J**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 16:35	53-70-3	
Fluoranthene	**121**	ug/kg	11.8	1.5	1	11/22/19 10:24	11/22/19 16:35	206-44-0	
Fluorene	**8.4J**	ug/kg	11.8	0.50	1	11/22/19 10:24	11/22/19 16:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**24.7**	ug/kg	11.8	1.0	1	11/22/19 10:24	11/22/19 16:35	193-39-5	
1-Methylnaphthalene	**32.8**	ug/kg	11.8	0.72	1	11/22/19 10:24	11/22/19 16:35	90-12-0	
2-Methylnaphthalene	**44.7**	ug/kg	11.8	0.72	1	11/22/19 10:24	11/22/19 16:35	91-57-6	
Naphthalene	**83.9**	ug/kg	11.8	0.75	1	11/22/19 10:24	11/22/19 16:35	91-20-3	
Phenanthrene	**169**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 16:35	85-01-8	
Pyrene	**71.9**	ug/kg	11.8	1.2	1	11/22/19 10:24	11/22/19 16:35	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	60	%	10-128		1	11/22/19 10:24	11/22/19 16:35	4165-60-0	
2-Fluorobiphenyl (S)	66	%	10-110		1	11/22/19 10:24	11/22/19 16:35	321-60-8	
Terphenyl-d14 (S)	59	%	39-119		1	11/22/19 10:24	11/22/19 16:35	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	383	103	1	11/22/19 09:04	11/23/19 16:29	62-53-3	
Benzoic Acid	ND	ug/kg	1920	69.6	1	11/22/19 09:04	11/23/19 16:29	65-85-0	
Benzyl alcohol	ND	ug/kg	766	76.6	1	11/22/19 09:04	11/23/19 16:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	69.6	1	11/22/19 09:04	11/23/19 16:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	81.2	1	11/22/19 09:04	11/23/19 16:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	766	78.9	1	11/22/19 09:04	11/23/19 16:29	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/22/19 09:04	11/23/19 16:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	89.4	1	11/22/19 09:04	11/23/19 16:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	97.5	1	11/22/19 09:04	11/23/19 16:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	383	75.4	1	11/22/19 09:04	11/23/19 16:29	91-58-7	
2-Chlorophenol	ND	ug/kg	383	104	1	11/22/19 09:04	11/23/19 16:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	78.9	1	11/22/19 09:04	11/23/19 16:29	7005-72-3	
Dibenzofuran	ND	ug/kg	383	62.7	1	11/22/19 09:04	11/23/19 16:29	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	383	102	1	11/22/19 09:04	11/23/19 16:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	383	87.0	1	11/22/19 09:04	11/23/19 16:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	383	108	1	11/22/19 09:04	11/23/19 16:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	83.6	1	11/22/19 09:04	11/23/19 16:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	83.6	1	11/22/19 09:04	11/23/19 16:29	120-83-2	
Diethylphthalate	ND	ug/kg	383	59.2	1	11/22/19 09:04	11/23/19 16:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	151	1	11/22/19 09:04	11/23/19 16:29	105-67-9	
Dimethylphthalate	ND	ug/kg	383	77.8	1	11/22/19 09:04	11/23/19 16:29	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (0.5-1.0) **Lab ID: 92454032001** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	383	62.7	1	11/22/19 09:04	11/23/19 16:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	766	76.6	1	11/22/19 09:04	11/23/19 16:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	62.7	1	11/22/19 09:04	11/23/19 16:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	72.0	1	11/22/19 09:04	11/23/19 16:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	80.1	1	11/22/19 09:04	11/23/19 16:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	80.1	1	11/22/19 09:04	11/23/19 16:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	104	1	11/22/19 09:04	11/23/19 16:29	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	66.2	1	11/22/19 09:04	11/23/19 16:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	48.7	1	11/22/19 09:04	11/23/19 16:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	70.8	1	11/22/19 09:04	11/23/19 16:29	77-47-4	
Hexachloroethane	ND	ug/kg	383	101	1	11/22/19 09:04	11/23/19 16:29	67-72-1	
Isophorone	ND	ug/kg	383	85.9	1	11/22/19 09:04	11/23/19 16:29	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	116	1	11/22/19 09:04	11/23/19 16:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	151	1	11/22/19 09:04	11/23/19 16:29	15831-10-4	
2-Nitroaniline	ND	ug/kg	1920	118	1	11/22/19 09:04	11/23/19 16:29	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	104	1	11/22/19 09:04	11/23/19 16:29	99-09-2	
4-Nitroaniline	ND	ug/kg	766	108	1	11/22/19 09:04	11/23/19 16:29	100-01-6	
Nitrobenzene	ND	ug/kg	383	104	1	11/22/19 09:04	11/23/19 16:29	98-95-3	
2-Nitrophenol	ND	ug/kg	383	92.9	1	11/22/19 09:04	11/23/19 16:29	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.5	1	11/22/19 09:04	11/23/19 16:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	383	124	1	11/22/19 09:04	11/23/19 16:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	73.1	1	11/22/19 09:04	11/23/19 16:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	114	1	11/22/19 09:04	11/23/19 16:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	383	102	1	11/22/19 09:04	11/23/19 16:29	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	69.6	1	11/22/19 09:04	11/23/19 16:29	87-86-5	
Phenol	ND	ug/kg	383	115	1	11/22/19 09:04	11/23/19 16:29	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	383	74.3	1	11/22/19 09:04	11/23/19 16:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	383	118	1	11/22/19 09:04	11/23/19 16:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	84.7	1	11/22/19 09:04	11/23/19 16:29	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	23-110		1	11/22/19 09:04	11/23/19 16:29	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-110		1	11/22/19 09:04	11/23/19 16:29	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/22/19 09:04	11/23/19 16:29	1718-51-0	
Phenol-d6 (S)	61	%	22-110		1	11/22/19 09:04	11/23/19 16:29	13127-88-3	
2-Fluorophenol (S)	62	%	13-110		1	11/22/19 09:04	11/23/19 16:29	367-12-4	
2,4,6-Tribromophenol (S)	80	%	27-110		1	11/22/19 09:04	11/23/19 16:29	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	107	10.7	1	11/21/19 13:47	11/21/19 18:03	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1	11/21/19 13:47	11/21/19 18:03	71-43-2	
Bromobenzene	ND	ug/kg	5.3	2.1	1	11/21/19 13:47	11/21/19 18:03	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	75-27-4	
Bromoform	ND	ug/kg	5.3	2.5	1	11/21/19 13:47	11/21/19 18:03	75-25-2	
Bromomethane	ND	ug/kg	10.7	2.7	1	11/21/19 13:47	11/21/19 18:03	74-83-9	L1

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (0.5-1.0) **Lab ID: 92454032001** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	107	3.1	1	11/21/19 13:47	11/21/19 18:03	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1.7	1	11/21/19 13:47	11/21/19 18:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	2.1	1	11/21/19 13:47	11/21/19 18:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	2.8	1	11/21/19 13:47	11/21/19 18:03	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	108-90-7	
Chloroethane	ND	ug/kg	10.7	2.6	1	11/21/19 13:47	11/21/19 18:03	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1	11/21/19 13:47	11/21/19 18:03	67-66-3	
Chloromethane	ND	ug/kg	10.7	2.6	1	11/21/19 13:47	11/21/19 18:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1	11/21/19 13:47	11/21/19 18:03	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	106-93-4	
Dibromomethane	ND	ug/kg	5.3	2.7	1	11/21/19 13:47	11/21/19 18:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1	11/21/19 13:47	11/21/19 18:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	3.8	1	11/21/19 13:47	11/21/19 18:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1	11/21/19 13:47	11/21/19 18:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1	11/21/19 13:47	11/21/19 18:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.5	1	11/21/19 13:47	11/21/19 18:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1.6	1	11/21/19 13:47	11/21/19 18:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1	11/21/19 13:47	11/21/19 18:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	2.1	1	11/21/19 13:47	11/21/19 18:03	87-68-3	
2-Hexanone	ND	ug/kg	53.4	4.2	1	11/21/19 13:47	11/21/19 18:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	99-87-6	
Methylene Chloride	ND	ug/kg	21.4	3.2	1	11/21/19 13:47	11/21/19 18:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.4	4.0	1	11/21/19 13:47	11/21/19 18:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1	11/21/19 13:47	11/21/19 18:03	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1.3	1	11/21/19 13:47	11/21/19 18:03	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	103-65-1	
Styrene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	2.2	1	11/21/19 13:47	11/21/19 18:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1	11/21/19 13:47	11/21/19 18:03	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (0.5-1.0) **Lab ID: 92454032001** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1	11/21/19 13:47	11/21/19 18:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1	11/21/19 13:47	11/21/19 18:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1	11/21/19 13:47	11/21/19 18:03	79-00-5	
Trichloroethene	ND	ug/kg	5.3	2.2	1	11/21/19 13:47	11/21/19 18:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1	11/21/19 13:47	11/21/19 18:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1.7	1	11/21/19 13:47	11/21/19 18:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	2.1	1	11/21/19 13:47	11/21/19 18:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1.9	1	11/21/19 13:47	11/21/19 18:03	108-67-8	
Vinyl acetate	ND	ug/kg	53.4	9.4	1	11/21/19 13:47	11/21/19 18:03	108-05-4	
Vinyl chloride	ND	ug/kg	10.7	1.9	1	11/21/19 13:47	11/21/19 18:03	75-01-4	
Xylene (Total)	ND	ug/kg	10.7	3.8	1	11/21/19 13:47	11/21/19 18:03	1330-20-7	
m&p-Xylene	ND	ug/kg	10.7	3.8	1	11/21/19 13:47	11/21/19 18:03	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1	11/21/19 13:47	11/21/19 18:03	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1	11/21/19 13:47	11/21/19 18:03	2037-26-5	
4-Bromofluorobenzene (S)	81	%	70-130		1	11/21/19 13:47	11/21/19 18:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1	11/21/19 13:47	11/21/19 18:03	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		11/18/19 14:13		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (5.5-6.0) **Lab ID: 92454032002** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.3	0.61	1	11/22/19 10:24	11/22/19 16:56	83-32-9	
Acenaphthylene	ND	ug/kg	12.3	0.55	1	11/22/19 10:24	11/22/19 16:56	208-96-8	
Anthracene	ND	ug/kg	12.3	0.50	1	11/22/19 10:24	11/22/19 16:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.3	0.90	1	11/22/19 10:24	11/22/19 16:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.3	0.61	1	11/22/19 10:24	11/22/19 16:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.3	0.88	1	11/22/19 10:24	11/22/19 16:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.3	1.3	1	11/22/19 10:24	11/22/19 16:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.3	0.49	1	11/22/19 10:24	11/22/19 16:56	207-08-9	
Chrysene	ND	ug/kg	12.3	0.60	1	11/22/19 10:24	11/22/19 16:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.3	1.4	1	11/22/19 10:24	11/22/19 16:56	53-70-3	
Fluoranthene	ND	ug/kg	12.3	1.5	1	11/22/19 10:24	11/22/19 16:56	206-44-0	
Fluorene	ND	ug/kg	12.3	0.52	1	11/22/19 10:24	11/22/19 16:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.3	1.1	1	11/22/19 10:24	11/22/19 16:56	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.3	0.75	1	11/22/19 10:24	11/22/19 16:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.3	0.75	1	11/22/19 10:24	11/22/19 16:56	91-57-6	
Naphthalene	ND	ug/kg	12.3	0.78	1	11/22/19 10:24	11/22/19 16:56	91-20-3	
Phenanthrene	ND	ug/kg	12.3	1.4	1	11/22/19 10:24	11/22/19 16:56	85-01-8	
Pyrene	ND	ug/kg	12.3	1.3	1	11/22/19 10:24	11/22/19 16:56	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	10-128		1	11/22/19 10:24	11/22/19 16:56	4165-60-0	
2-Fluorobiphenyl (S)	71	%	10-110		1	11/22/19 10:24	11/22/19 16:56	321-60-8	
Terphenyl-d14 (S)	65	%	39-119		1	11/22/19 10:24	11/22/19 16:56	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	407	110	1	11/22/19 09:04	11/23/19 17:04	62-53-3	
Benzoic Acid	ND	ug/kg	2040	74.0	1	11/22/19 09:04	11/23/19 17:04	65-85-0	
Benzyl alcohol	ND	ug/kg	814	81.4	1	11/22/19 09:04	11/23/19 17:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	407	74.0	1	11/22/19 09:04	11/23/19 17:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	407	86.3	1	11/22/19 09:04	11/23/19 17:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	814	83.9	1	11/22/19 09:04	11/23/19 17:04	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	113	1	11/22/19 09:04	11/23/19 17:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	407	95.0	1	11/22/19 09:04	11/23/19 17:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	407	104	1	11/22/19 09:04	11/23/19 17:04	111-44-4	
2-Chloronaphthalene	ND	ug/kg	407	80.2	1	11/22/19 09:04	11/23/19 17:04	91-58-7	
2-Chlorophenol	ND	ug/kg	407	111	1	11/22/19 09:04	11/23/19 17:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	407	83.9	1	11/22/19 09:04	11/23/19 17:04	7005-72-3	
Dibenzofuran	ND	ug/kg	407	66.6	1	11/22/19 09:04	11/23/19 17:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	407	109	1	11/22/19 09:04	11/23/19 17:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	407	92.5	1	11/22/19 09:04	11/23/19 17:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	407	115	1	11/22/19 09:04	11/23/19 17:04	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	88.8	1	11/22/19 09:04	11/23/19 17:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	407	88.8	1	11/22/19 09:04	11/23/19 17:04	120-83-2	
Diethylphthalate	ND	ug/kg	407	62.9	1	11/22/19 09:04	11/23/19 17:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	407	160	1	11/22/19 09:04	11/23/19 17:04	105-67-9	
Dimethylphthalate	ND	ug/kg	407	82.6	1	11/22/19 09:04	11/23/19 17:04	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (5.5-6.0) **Lab ID: 92454032002** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	407	66.6	1	11/22/19 09:04	11/23/19 17:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	814	81.4	1	11/22/19 09:04	11/23/19 17:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	66.6	1	11/22/19 09:04	11/23/19 17:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	407	76.5	1	11/22/19 09:04	11/23/19 17:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	407	85.1	1	11/22/19 09:04	11/23/19 17:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	407	85.1	1	11/22/19 09:04	11/23/19 17:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	407	111	1	11/22/19 09:04	11/23/19 17:04	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	407	70.3	1	11/22/19 09:04	11/23/19 17:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	407	51.8	1	11/22/19 09:04	11/23/19 17:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	407	75.2	1	11/22/19 09:04	11/23/19 17:04	77-47-4	
Hexachloroethane	ND	ug/kg	407	107	1	11/22/19 09:04	11/23/19 17:04	67-72-1	
Isophorone	ND	ug/kg	407	91.3	1	11/22/19 09:04	11/23/19 17:04	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	407	123	1	11/22/19 09:04	11/23/19 17:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	407	160	1	11/22/19 09:04	11/23/19 17:04	15831-10-4	
2-Nitroaniline	ND	ug/kg	2040	126	1	11/22/19 09:04	11/23/19 17:04	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	111	1	11/22/19 09:04	11/23/19 17:04	99-09-2	
4-Nitroaniline	ND	ug/kg	814	115	1	11/22/19 09:04	11/23/19 17:04	100-01-6	
Nitrobenzene	ND	ug/kg	407	111	1	11/22/19 09:04	11/23/19 17:04	98-95-3	
2-Nitrophenol	ND	ug/kg	407	98.7	1	11/22/19 09:04	11/23/19 17:04	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	72.8	1	11/22/19 09:04	11/23/19 17:04	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	407	132	1	11/22/19 09:04	11/23/19 17:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	407	77.7	1	11/22/19 09:04	11/23/19 17:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	407	121	1	11/22/19 09:04	11/23/19 17:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	407	109	1	11/22/19 09:04	11/23/19 17:04	108-60-1	
Pentachlorophenol	ND	ug/kg	2040	74.0	1	11/22/19 09:04	11/23/19 17:04	87-86-5	
Phenol	ND	ug/kg	407	122	1	11/22/19 09:04	11/23/19 17:04	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	407	78.9	1	11/22/19 09:04	11/23/19 17:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	407	126	1	11/22/19 09:04	11/23/19 17:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	407	90.0	1	11/22/19 09:04	11/23/19 17:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	57	%	23-110		1	11/22/19 09:04	11/23/19 17:04	4165-60-0	
2-Fluorobiphenyl (S)	57	%	30-110		1	11/22/19 09:04	11/23/19 17:04	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	11/22/19 09:04	11/23/19 17:04	1718-51-0	
Phenol-d6 (S)	55	%	22-110		1	11/22/19 09:04	11/23/19 17:04	13127-88-3	
2-Fluorophenol (S)	55	%	13-110		1	11/22/19 09:04	11/23/19 17:04	367-12-4	
2,4,6-Tribromophenol (S)	69	%	27-110		1	11/22/19 09:04	11/23/19 17:04	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	126	12.6	1	11/21/19 13:47	11/21/19 18:28	67-64-1	
Benzene	ND	ug/kg	6.3	2.0	1	11/21/19 13:47	11/21/19 18:28	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.5	1	11/21/19 13:47	11/21/19 18:28	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	75-27-4	
Bromoform	ND	ug/kg	6.3	2.9	1	11/21/19 13:47	11/21/19 18:28	75-25-2	
Bromomethane	ND	ug/kg	12.6	3.2	1	11/21/19 13:47	11/21/19 18:28	74-83-9	L1

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (5.5-6.0) **Lab ID: 92454032002** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	126	3.7	1	11/21/19 13:47	11/21/19 18:28	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.0	1	11/21/19 13:47	11/21/19 18:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.5	1	11/21/19 13:47	11/21/19 18:28	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	3.3	1	11/21/19 13:47	11/21/19 18:28	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	108-90-7	
Chloroethane	ND	ug/kg	12.6	3.0	1	11/21/19 13:47	11/21/19 18:28	75-00-3	
Chloroform	ND	ug/kg	6.3	2.0	1	11/21/19 13:47	11/21/19 18:28	67-66-3	
Chloromethane	ND	ug/kg	12.6	3.0	1	11/21/19 13:47	11/21/19 18:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	4.5	1	11/21/19 13:47	11/21/19 18:28	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	106-93-4	
Dibromomethane	ND	ug/kg	6.3	3.2	1	11/21/19 13:47	11/21/19 18:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	2.5	1	11/21/19 13:47	11/21/19 18:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	4.5	1	11/21/19 13:47	11/21/19 18:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.3	1.9	1	11/21/19 13:47	11/21/19 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	2.8	1	11/21/19 13:47	11/21/19 18:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	1.8	1	11/21/19 13:47	11/21/19 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	1.9	1	11/21/19 13:47	11/21/19 18:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	1.9	1	11/21/19 13:47	11/21/19 18:28	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	108-20-3	
Ethylbenzene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	2.5	1	11/21/19 13:47	11/21/19 18:28	87-68-3	
2-Hexanone	ND	ug/kg	63.2	4.9	1	11/21/19 13:47	11/21/19 18:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	99-87-6	
Methylene Chloride	ND	ug/kg	25.3	3.8	1	11/21/19 13:47	11/21/19 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.2	4.7	1	11/21/19 13:47	11/21/19 18:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	1.9	1	11/21/19 13:47	11/21/19 18:28	1634-04-4	
Naphthalene	ND	ug/kg	6.3	1.5	1	11/21/19 13:47	11/21/19 18:28	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	103-65-1	
Styrene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.7	1	11/21/19 13:47	11/21/19 18:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.1	1	11/21/19 13:47	11/21/19 18:28	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-1 (5.5-6.0) **Lab ID: 92454032002** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	2.8	1	11/21/19 13:47	11/21/19 18:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	2.0	1	11/21/19 13:47	11/21/19 18:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.7	1	11/21/19 13:47	11/21/19 18:28	79-00-5	
Trichloroethene	ND	ug/kg	6.3	2.7	1	11/21/19 13:47	11/21/19 18:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	2.8	1	11/21/19 13:47	11/21/19 18:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	2.0	1	11/21/19 13:47	11/21/19 18:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	2.5	1	11/21/19 13:47	11/21/19 18:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.3	1	11/21/19 13:47	11/21/19 18:28	108-67-8	
Vinyl acetate	ND	ug/kg	63.2	11.1	1	11/21/19 13:47	11/21/19 18:28	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	2.3	1	11/21/19 13:47	11/21/19 18:28	75-01-4	
Xylene (Total)	ND	ug/kg	12.6	4.5	1	11/21/19 13:47	11/21/19 18:28	1330-20-7	
m&p-Xylene	ND	ug/kg	12.6	4.5	1	11/21/19 13:47	11/21/19 18:28	179601-23-1	
o-Xylene	ND	ug/kg	6.3	2.4	1	11/21/19 13:47	11/21/19 18:28	95-47-6	
Surrogates									
Toluene-d8 (S)	93	%	70-130		1	11/21/19 13:47	11/21/19 18:28	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1	11/21/19 13:47	11/21/19 18:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1	11/21/19 13:47	11/21/19 18:28	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.7**	%	0.10	0.10	1		11/18/19 14:13		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (0.5-1.0) **Lab ID: 92454032003** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.3J**	ug/kg	11.6	0.58	1	11/22/19 10:24	11/22/19 17:17	83-32-9	
Acenaphthylene	**2.8J**	ug/kg	11.6	0.52	1	11/22/19 10:24	11/22/19 17:17	208-96-8	
Anthracene	**13.0**	ug/kg	11.6	0.47	1	11/22/19 10:24	11/22/19 17:17	120-12-7	
Benzo(a)anthracene	**34.1**	ug/kg	11.6	0.84	1	11/22/19 10:24	11/22/19 17:17	56-55-3	
Benzo(a)pyrene	**58.5**	ug/kg	11.6	0.57	1	11/22/19 10:24	11/22/19 17:17	50-32-8	
Benzo(b)fluoranthene	**79.0**	ug/kg	11.6	0.82	1	11/22/19 10:24	11/22/19 17:17	205-99-2	
Benzo(g,h,i)perylene	**66.5**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 17:17	191-24-2	
Benzo(k)fluoranthene	**23.5**	ug/kg	11.6	0.46	1	11/22/19 10:24	11/22/19 17:17	207-08-9	
Chrysene	**42.7**	ug/kg	11.6	0.56	1	11/22/19 10:24	11/22/19 17:17	218-01-9	
Dibenz(a,h)anthracene	**15.6**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 17:17	53-70-3	
Fluoranthene	**54.9**	ug/kg	11.6	1.5	1	11/22/19 10:24	11/22/19 17:17	206-44-0	
Fluorene	**1.6J**	ug/kg	11.6	0.49	1	11/22/19 10:24	11/22/19 17:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**51.6**	ug/kg	11.6	1.0	1	11/22/19 10:24	11/22/19 17:17	193-39-5	
1-Methylnaphthalene	**11.3J**	ug/kg	11.6	0.70	1	11/22/19 10:24	11/22/19 17:17	90-12-0	
2-Methylnaphthalene	**16.4**	ug/kg	11.6	0.70	1	11/22/19 10:24	11/22/19 17:17	91-57-6	
Naphthalene	**23.6**	ug/kg	11.6	0.73	1	11/22/19 10:24	11/22/19 17:17	91-20-3	
Phenanthrene	**68.0**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 17:17	85-01-8	
Pyrene	**45.5**	ug/kg	11.6	1.2	1	11/22/19 10:24	11/22/19 17:17	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/19 10:24	11/22/19 17:17	4165-60-0	
2-Fluorobiphenyl (S)	67	%	10-110		1	11/22/19 10:24	11/22/19 17:17	321-60-8	
Terphenyl-d14 (S)	60	%	39-119		1	11/22/19 10:24	11/22/19 17:17	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	391	106	1	11/22/19 09:04	11/23/19 17:38	62-53-3	
Benzoic Acid	ND	ug/kg	1960	71.1	1	11/22/19 09:04	11/23/19 17:38	65-85-0	
Benzyl alcohol	ND	ug/kg	783	78.3	1	11/22/19 09:04	11/23/19 17:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	391	71.1	1	11/22/19 09:04	11/23/19 17:38	101-55-3	
Butylbenzylphthalate	ND	ug/kg	391	83.0	1	11/22/19 09:04	11/23/19 17:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	783	80.6	1	11/22/19 09:04	11/23/19 17:38	59-50-7	
4-Chloroaniline	ND	ug/kg	1960	109	1	11/22/19 09:04	11/23/19 17:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	391	91.3	1	11/22/19 09:04	11/23/19 17:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	391	99.6	1	11/22/19 09:04	11/23/19 17:38	111-44-4	
2-Chloronaphthalene	ND	ug/kg	391	77.1	1	11/22/19 09:04	11/23/19 17:38	91-58-7	
2-Chlorophenol	ND	ug/kg	391	107	1	11/22/19 09:04	11/23/19 17:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	391	80.6	1	11/22/19 09:04	11/23/19 17:38	7005-72-3	
Dibenzofuran	ND	ug/kg	391	64.0	1	11/22/19 09:04	11/23/19 17:38	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	391	104	1	11/22/19 09:04	11/23/19 17:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	391	88.9	1	11/22/19 09:04	11/23/19 17:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	391	110	1	11/22/19 09:04	11/23/19 17:38	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1960	85.4	1	11/22/19 09:04	11/23/19 17:38	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	391	85.4	1	11/22/19 09:04	11/23/19 17:38	120-83-2	
Diethylphthalate	ND	ug/kg	391	60.5	1	11/22/19 09:04	11/23/19 17:38	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	391	154	1	11/22/19 09:04	11/23/19 17:38	105-67-9	
Dimethylphthalate	ND	ug/kg	391	79.4	1	11/22/19 09:04	11/23/19 17:38	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (0.5-1.0) **Lab ID: 92454032003** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	391	64.0	1	11/22/19 09:04	11/23/19 17:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	783	78.3	1	11/22/19 09:04	11/23/19 17:38	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	64.0	1	11/22/19 09:04	11/23/19 17:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	391	73.5	1	11/22/19 09:04	11/23/19 17:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	391	81.8	1	11/22/19 09:04	11/23/19 17:38	606-20-2	
Di-n-octylphthalate	ND	ug/kg	391	81.8	1	11/22/19 09:04	11/23/19 17:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	391	107	1	11/22/19 09:04	11/23/19 17:38	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	391	67.6	1	11/22/19 09:04	11/23/19 17:38	87-68-3	
Hexachlorobenzene	ND	ug/kg	391	49.8	1	11/22/19 09:04	11/23/19 17:38	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	391	72.3	1	11/22/19 09:04	11/23/19 17:38	77-47-4	
Hexachloroethane	ND	ug/kg	391	103	1	11/22/19 09:04	11/23/19 17:38	67-72-1	
Isophorone	ND	ug/kg	391	87.7	1	11/22/19 09:04	11/23/19 17:38	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	391	119	1	11/22/19 09:04	11/23/19 17:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	391	154	1	11/22/19 09:04	11/23/19 17:38	15831-10-4	
2-Nitroaniline	ND	ug/kg	1960	121	1	11/22/19 09:04	11/23/19 17:38	88-74-4	
3-Nitroaniline	ND	ug/kg	1960	107	1	11/22/19 09:04	11/23/19 17:38	99-09-2	
4-Nitroaniline	ND	ug/kg	783	110	1	11/22/19 09:04	11/23/19 17:38	100-01-6	
Nitrobenzene	ND	ug/kg	391	107	1	11/22/19 09:04	11/23/19 17:38	98-95-3	
2-Nitrophenol	ND	ug/kg	391	94.9	1	11/22/19 09:04	11/23/19 17:38	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	70.0	1	11/22/19 09:04	11/23/19 17:38	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	391	127	1	11/22/19 09:04	11/23/19 17:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	391	74.7	1	11/22/19 09:04	11/23/19 17:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	391	116	1	11/22/19 09:04	11/23/19 17:38	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	391	104	1	11/22/19 09:04	11/23/19 17:38	108-60-1	
Pentachlorophenol	ND	ug/kg	1960	71.1	1	11/22/19 09:04	11/23/19 17:38	87-86-5	
Phenol	ND	ug/kg	391	117	1	11/22/19 09:04	11/23/19 17:38	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	391	75.9	1	11/22/19 09:04	11/23/19 17:38	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	391	121	1	11/22/19 09:04	11/23/19 17:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	391	86.6	1	11/22/19 09:04	11/23/19 17:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%	23-110		1	11/22/19 09:04	11/23/19 17:38	4165-60-0	
2-Fluorobiphenyl (S)	58	%	30-110		1	11/22/19 09:04	11/23/19 17:38	321-60-8	
Terphenyl-d14 (S)	46	%	28-110		1	11/22/19 09:04	11/23/19 17:38	1718-51-0	
Phenol-d6 (S)	49	%	22-110		1	11/22/19 09:04	11/23/19 17:38	13127-88-3	
2-Fluorophenol (S)	49	%	13-110		1	11/22/19 09:04	11/23/19 17:38	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110		1	11/22/19 09:04	11/23/19 17:38	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	103	10.3	1	11/21/19 13:47	11/21/19 18:52	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1	11/21/19 13:47	11/21/19 18:52	71-43-2	
Bromobenzene	ND	ug/kg	5.1	2.1	1	11/21/19 13:47	11/21/19 18:52	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1	11/21/19 13:47	11/21/19 18:52	75-25-2	
Bromomethane	ND	ug/kg	10.3	2.6	1	11/21/19 13:47	11/21/19 18:52	74-83-9	L1

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (0.5-1.0) **Lab ID: 92454032003** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	103	3.0	1	11/21/19 13:47	11/21/19 18:52	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1.6	1	11/21/19 13:47	11/21/19 18:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	2.1	1	11/21/19 13:47	11/21/19 18:52	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1	11/21/19 13:47	11/21/19 18:52	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	108-90-7	
Chloroethane	ND	ug/kg	10.3	2.5	1	11/21/19 13:47	11/21/19 18:52	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1	11/21/19 13:47	11/21/19 18:52	67-66-3	
Chloromethane	ND	ug/kg	10.3	2.5	1	11/21/19 13:47	11/21/19 18:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1	11/21/19 13:47	11/21/19 18:52	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	106-93-4	
Dibromomethane	ND	ug/kg	5.1	2.6	1	11/21/19 13:47	11/21/19 18:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.1	1	11/21/19 13:47	11/21/19 18:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	3.7	1	11/21/19 13:47	11/21/19 18:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1	11/21/19 13:47	11/21/19 18:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.3	1	11/21/19 13:47	11/21/19 18:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1	11/21/19 13:47	11/21/19 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1.5	1	11/21/19 13:47	11/21/19 18:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1	11/21/19 13:47	11/21/19 18:52	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	108-20-3	
Ethylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	2.1	1	11/21/19 13:47	11/21/19 18:52	87-68-3	
2-Hexanone	ND	ug/kg	51.3	4.0	1	11/21/19 13:47	11/21/19 18:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	99-87-6	
Methylene Chloride	ND	ug/kg	20.5	3.1	1	11/21/19 13:47	11/21/19 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.3	3.8	1	11/21/19 13:47	11/21/19 18:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1	11/21/19 13:47	11/21/19 18:52	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1.2	1	11/21/19 13:47	11/21/19 18:52	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	103-65-1	
Styrene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	2.2	1	11/21/19 13:47	11/21/19 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1	11/21/19 13:47	11/21/19 18:52	127-18-4	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (0.5-1.0) **Lab ID: 92454032003** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.3	1	11/21/19 13:47	11/21/19 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1	11/21/19 13:47	11/21/19 18:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.2	1	11/21/19 13:47	11/21/19 18:52	79-00-5	
Trichloroethene	ND	ug/kg	5.1	2.2	1	11/21/19 13:47	11/21/19 18:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.3	1	11/21/19 13:47	11/21/19 18:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1.6	1	11/21/19 13:47	11/21/19 18:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	2.1	1	11/21/19 13:47	11/21/19 18:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 13:47	11/21/19 18:52	108-67-8	
Vinyl acetate	ND	ug/kg	51.3	9.0	1	11/21/19 13:47	11/21/19 18:52	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1.8	1	11/21/19 13:47	11/21/19 18:52	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	3.7	1	11/21/19 13:47	11/21/19 18:52	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	3.7	1	11/21/19 13:47	11/21/19 18:52	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1	11/21/19 13:47	11/21/19 18:52	95-47-6	
Surrogates									
Toluene-d8 (S)	94	%	70-130		1	11/21/19 13:47	11/21/19 18:52	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1	11/21/19 13:47	11/21/19 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1	11/21/19 13:47	11/21/19 18:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.1**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (5.5-6.0) **Lab ID: 92454032004** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.5	0.62	1	11/22/19 10:24	11/22/19 17:38	83-32-9	
Acenaphthylene	**1.2J**	ug/kg	12.5	0.57	1	11/22/19 10:24	11/22/19 17:38	208-96-8	
Anthracene	**12.6**	ug/kg	12.5	0.51	1	11/22/19 10:24	11/22/19 17:38	120-12-7	
Benzo(a)anthracene	**21.5**	ug/kg	12.5	0.91	1	11/22/19 10:24	11/22/19 17:38	56-55-3	
Benzo(a)pyrene	**14.6**	ug/kg	12.5	0.62	1	11/22/19 10:24	11/22/19 17:38	50-32-8	
Benzo(b)fluoranthene	**27.9**	ug/kg	12.5	0.89	1	11/22/19 10:24	11/22/19 17:38	205-99-2	
Benzo(g,h,i)perylene	**15.8**	ug/kg	12.5	1.4	1	11/22/19 10:24	11/22/19 17:38	191-24-2	
Benzo(k)fluoranthene	**11.3J**	ug/kg	12.5	0.50	1	11/22/19 10:24	11/22/19 17:38	207-08-9	
Chrysene	**25.4**	ug/kg	12.5	0.61	1	11/22/19 10:24	11/22/19 17:38	218-01-9	
Dibenz(a,h)anthracene	**4.0J**	ug/kg	12.5	1.4	1	11/22/19 10:24	11/22/19 17:38	53-70-3	
Fluoranthene	**52.4**	ug/kg	12.5	1.6	1	11/22/19 10:24	11/22/19 17:38	206-44-0	
Fluorene	**3.3J**	ug/kg	12.5	0.53	1	11/22/19 10:24	11/22/19 17:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**11.4J**	ug/kg	12.5	1.1	1	11/22/19 10:24	11/22/19 17:38	193-39-5	
1-Methylnaphthalene	**12.0J**	ug/kg	12.5	0.76	1	11/22/19 10:24	11/22/19 17:38	90-12-0	
2-Methylnaphthalene	**16.9**	ug/kg	12.5	0.76	1	11/22/19 10:24	11/22/19 17:38	91-57-6	
Naphthalene	**27.8**	ug/kg	12.5	0.79	1	11/22/19 10:24	11/22/19 17:38	91-20-3	
Phenanthrene	**54.3**	ug/kg	12.5	1.4	1	11/22/19 10:24	11/22/19 17:38	85-01-8	
Pyrene	**36.1**	ug/kg	12.5	1.3	1	11/22/19 10:24	11/22/19 17:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	10-128		1	11/22/19 10:24	11/22/19 17:38	4165-60-0	
2-Fluorobiphenyl (S)	60	%	10-110		1	11/22/19 10:24	11/22/19 17:38	321-60-8	
Terphenyl-d14 (S)	56	%	39-119		1	11/22/19 10:24	11/22/19 17:38	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	414	112	1	11/22/19 09:04	11/23/19 18:13	62-53-3	
Benzoic Acid	ND	ug/kg	2070	75.2	1	11/22/19 09:04	11/23/19 18:13	65-85-0	
Benzyl alcohol	ND	ug/kg	827	82.7	1	11/22/19 09:04	11/23/19 18:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	414	75.2	1	11/22/19 09:04	11/23/19 18:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	87.7	1	11/22/19 09:04	11/23/19 18:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	827	85.2	1	11/22/19 09:04	11/23/19 18:13	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	115	1	11/22/19 09:04	11/23/19 18:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	414	96.5	1	11/22/19 09:04	11/23/19 18:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	105	1	11/22/19 09:04	11/23/19 18:13	111-44-4	
2-Chloronaphthalene	ND	ug/kg	414	81.5	1	11/22/19 09:04	11/23/19 18:13	91-58-7	
2-Chlorophenol	ND	ug/kg	414	113	1	11/22/19 09:04	11/23/19 18:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	85.2	1	11/22/19 09:04	11/23/19 18:13	7005-72-3	
Dibenzofuran	ND	ug/kg	414	67.7	1	11/22/19 09:04	11/23/19 18:13	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	414	110	1	11/22/19 09:04	11/23/19 18:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	414	94.0	1	11/22/19 09:04	11/23/19 18:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	414	117	1	11/22/19 09:04	11/23/19 18:13	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	90.2	1	11/22/19 09:04	11/23/19 18:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	90.2	1	11/22/19 09:04	11/23/19 18:13	120-83-2	
Diethylphthalate	ND	ug/kg	414	63.9	1	11/22/19 09:04	11/23/19 18:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	163	1	11/22/19 09:04	11/23/19 18:13	105-67-9	
Dimethylphthalate	ND	ug/kg	414	84.0	1	11/22/19 09:04	11/23/19 18:13	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (5.5-6.0) **Lab ID: 92454032004** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	414	67.7	1	11/22/19 09:04	11/23/19 18:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	827	82.7	1	11/22/19 09:04	11/23/19 18:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	67.7	1	11/22/19 09:04	11/23/19 18:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	77.7	1	11/22/19 09:04	11/23/19 18:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	86.5	1	11/22/19 09:04	11/23/19 18:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	86.5	1	11/22/19 09:04	11/23/19 18:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	113	1	11/22/19 09:04	11/23/19 18:13	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	71.4	1	11/22/19 09:04	11/23/19 18:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	52.6	1	11/22/19 09:04	11/23/19 18:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	76.5	1	11/22/19 09:04	11/23/19 18:13	77-47-4	
Hexachloroethane	ND	ug/kg	414	109	1	11/22/19 09:04	11/23/19 18:13	67-72-1	
Isophorone	ND	ug/kg	414	92.8	1	11/22/19 09:04	11/23/19 18:13	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	125	1	11/22/19 09:04	11/23/19 18:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	414	163	1	11/22/19 09:04	11/23/19 18:13	15831-10-4	
2-Nitroaniline	ND	ug/kg	2070	128	1	11/22/19 09:04	11/23/19 18:13	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	113	1	11/22/19 09:04	11/23/19 18:13	99-09-2	
4-Nitroaniline	ND	ug/kg	827	117	1	11/22/19 09:04	11/23/19 18:13	100-01-6	
Nitrobenzene	ND	ug/kg	414	113	1	11/22/19 09:04	11/23/19 18:13	98-95-3	
2-Nitrophenol	ND	ug/kg	414	100	1	11/22/19 09:04	11/23/19 18:13	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	74.0	1	11/22/19 09:04	11/23/19 18:13	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	414	134	1	11/22/19 09:04	11/23/19 18:13	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	79.0	1	11/22/19 09:04	11/23/19 18:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	414	123	1	11/22/19 09:04	11/23/19 18:13	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	414	110	1	11/22/19 09:04	11/23/19 18:13	108-60-1	
Pentachlorophenol	ND	ug/kg	2070	75.2	1	11/22/19 09:04	11/23/19 18:13	87-86-5	
Phenol	ND	ug/kg	414	124	1	11/22/19 09:04	11/23/19 18:13	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	414	80.2	1	11/22/19 09:04	11/23/19 18:13	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	414	128	1	11/22/19 09:04	11/23/19 18:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	91.5	1	11/22/19 09:04	11/23/19 18:13	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	51	%	23-110		1	11/22/19 09:04	11/23/19 18:13	4165-60-0	
2-Fluorobiphenyl (S)	53	%	30-110		1	11/22/19 09:04	11/23/19 18:13	321-60-8	
Terphenyl-d14 (S)	46	%	28-110		1	11/22/19 09:04	11/23/19 18:13	1718-51-0	
Phenol-d6 (S)	51	%	22-110		1	11/22/19 09:04	11/23/19 18:13	13127-88-3	
2-Fluorophenol (S)	51	%	13-110		1	11/22/19 09:04	11/23/19 18:13	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	11/22/19 09:04	11/23/19 18:13	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	120	12.0	1	11/21/19 13:47	11/21/19 19:16	67-64-1	
Benzene	ND	ug/kg	6.0	1.9	1	11/21/19 13:47	11/21/19 19:16	71-43-2	
Bromobenzene	ND	ug/kg	6.0	2.4	1	11/21/19 13:47	11/21/19 19:16	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	75-27-4	
Bromoform	ND	ug/kg	6.0	2.8	1	11/21/19 13:47	11/21/19 19:16	75-25-2	
Bromomethane	ND	ug/kg	12.0	3.0	1	11/21/19 13:47	11/21/19 19:16	74-83-9	L1

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (5.5-6.0) **Lab ID: 92454032004** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	120	3.5	1	11/21/19 13:47	11/21/19 19:16	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1.9	1	11/21/19 13:47	11/21/19 19:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	2.4	1	11/21/19 13:47	11/21/19 19:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	3.1	1	11/21/19 13:47	11/21/19 19:16	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	108-90-7	
Chloroethane	ND	ug/kg	12.0	2.9	1	11/21/19 13:47	11/21/19 19:16	75-00-3	
Chloroform	ND	ug/kg	6.0	1.9	1	11/21/19 13:47	11/21/19 19:16	67-66-3	
Chloromethane	ND	ug/kg	12.0	2.9	1	11/21/19 13:47	11/21/19 19:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	4.3	1	11/21/19 13:47	11/21/19 19:16	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	106-93-4	
Dibromomethane	ND	ug/kg	6.0	3.0	1	11/21/19 13:47	11/21/19 19:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	2.4	1	11/21/19 13:47	11/21/19 19:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.0	4.3	1	11/21/19 13:47	11/21/19 19:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1.8	1	11/21/19 13:47	11/21/19 19:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	2.6	1	11/21/19 13:47	11/21/19 19:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1.7	1	11/21/19 13:47	11/21/19 19:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1.8	1	11/21/19 13:47	11/21/19 19:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1.8	1	11/21/19 13:47	11/21/19 19:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	2.4	1	11/21/19 13:47	11/21/19 19:16	87-68-3	
2-Hexanone	ND	ug/kg	60.2	4.7	1	11/21/19 13:47	11/21/19 19:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	99-87-6	
Methylene Chloride	ND	ug/kg	24.1	3.6	1	11/21/19 13:47	11/21/19 19:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.2	4.5	1	11/21/19 13:47	11/21/19 19:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1.8	1	11/21/19 13:47	11/21/19 19:16	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1.4	1	11/21/19 13:47	11/21/19 19:16	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	103-65-1	
Styrene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	2.5	1	11/21/19 13:47	11/21/19 19:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	2.0	1	11/21/19 13:47	11/21/19 19:16	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-3 (5.5-6.0) **Lab ID: 92454032004** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	2.6	1	11/21/19 13:47	11/21/19 19:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1.9	1	11/21/19 13:47	11/21/19 19:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	2.5	1	11/21/19 13:47	11/21/19 19:16	79-00-5	
Trichloroethene	ND	ug/kg	6.0	2.5	1	11/21/19 13:47	11/21/19 19:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	2.6	1	11/21/19 13:47	11/21/19 19:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1.9	1	11/21/19 13:47	11/21/19 19:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	2.4	1	11/21/19 13:47	11/21/19 19:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	2.2	1	11/21/19 13:47	11/21/19 19:16	108-67-8	
Vinyl acetate	ND	ug/kg	60.2	10.6	1	11/21/19 13:47	11/21/19 19:16	108-05-4	
Vinyl chloride	ND	ug/kg	12.0	2.2	1	11/21/19 13:47	11/21/19 19:16	75-01-4	
Xylene (Total)	ND	ug/kg	12.0	4.3	1	11/21/19 13:47	11/21/19 19:16	1330-20-7	
m&p-Xylene	ND	ug/kg	12.0	4.3	1	11/21/19 13:47	11/21/19 19:16	179601-23-1	
o-Xylene	ND	ug/kg	6.0	2.3	1	11/21/19 13:47	11/21/19 19:16	95-47-6	
Surrogates									
Toluene-d8 (S)	89	%	70-130		1	11/21/19 13:47	11/21/19 19:16	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1	11/21/19 13:47	11/21/19 19:16	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1	11/21/19 13:47	11/21/19 19:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.0**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (0.5-1.0) **Lab ID: 92454032005** Collected: 11/14/19 09:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**10.7J**	ug/kg	11.9	0.59	1	11/22/19 10:24	11/22/19 17:59	83-32-9	
Acenaphthylene	**86.3**	ug/kg	11.9	0.54	1	11/22/19 10:24	11/22/19 17:59	208-96-8	
Anthracene	**132**	ug/kg	11.9	0.48	1	11/22/19 10:24	11/22/19 17:59	120-12-7	
Benzo(a)anthracene	**212**	ug/kg	11.9	0.87	1	11/22/19 10:24	11/22/19 17:59	56-55-3	
Benzo(a)pyrene	**158**	ug/kg	11.9	0.59	1	11/22/19 10:24	11/22/19 17:59	50-32-8	
Benzo(b)fluoranthene	**227**	ug/kg	11.9	0.85	1	11/22/19 10:24	11/22/19 17:59	205-99-2	
Benzo(g,h,i)perylene	**110**	ug/kg	11.9	1.3	1	11/22/19 10:24	11/22/19 17:59	191-24-2	
Benzo(k)fluoranthene	**86.4**	ug/kg	11.9	0.47	1	11/22/19 10:24	11/22/19 17:59	207-08-9	
Chrysene	**203**	ug/kg	11.9	0.58	1	11/22/19 10:24	11/22/19 17:59	218-01-9	
Dibenz(a,h)anthracene	**29.3**	ug/kg	11.9	1.3	1	11/22/19 10:24	11/22/19 17:59	53-70-3	
Fluoranthene	**443**	ug/kg	11.9	1.5	1	11/22/19 10:24	11/22/19 17:59	206-44-0	
Fluorene	**55.2**	ug/kg	11.9	0.50	1	11/22/19 10:24	11/22/19 17:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**89.9**	ug/kg	11.9	1.1	1	11/22/19 10:24	11/22/19 17:59	193-39-5	
1-Methylnaphthalene	**63.5**	ug/kg	11.9	0.72	1	11/22/19 10:24	11/22/19 17:59	90-12-0	
2-Methylnaphthalene	**86.6**	ug/kg	11.9	0.72	1	11/22/19 10:24	11/22/19 17:59	91-57-6	
Naphthalene	**77.4**	ug/kg	11.9	0.75	1	11/22/19 10:24	11/22/19 17:59	91-20-3	
Phenanthrene	**496**	ug/kg	11.9	1.3	1	11/22/19 10:24	11/22/19 17:59	85-01-8	
Pyrene	**391**	ug/kg	11.9	1.2	1	11/22/19 10:24	11/22/19 17:59	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	10-128		1	11/22/19 10:24	11/22/19 17:59	4165-60-0	
2-Fluorobiphenyl (S)	70	%	10-110		1	11/22/19 10:24	11/22/19 17:59	321-60-8	
Terphenyl-d14 (S)	68	%	39-119		1	11/22/19 10:24	11/22/19 17:59	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	390	105	1	11/22/19 09:04	11/23/19 18:47	62-53-3	
Benzoic Acid	ND	ug/kg	1950	70.9	1	11/22/19 09:04	11/23/19 18:47	65-85-0	
Benzyl alcohol	ND	ug/kg	780	78.0	1	11/22/19 09:04	11/23/19 18:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	70.9	1	11/22/19 09:04	11/23/19 18:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.8	1	11/22/19 09:04	11/23/19 18:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	780	80.4	1	11/22/19 09:04	11/23/19 18:47	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/19 09:04	11/23/19 18:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	91.0	1	11/22/19 09:04	11/23/19 18:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.3	1	11/22/19 09:04	11/23/19 18:47	111-44-4	
2-Chloronaphthalene	ND	ug/kg	390	76.8	1	11/22/19 09:04	11/23/19 18:47	91-58-7	
2-Chlorophenol	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.4	1	11/22/19 09:04	11/23/19 18:47	7005-72-3	
Dibenzofuran	ND	ug/kg	390	63.8	1	11/22/19 09:04	11/23/19 18:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	390	104	1	11/22/19 09:04	11/23/19 18:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	390	88.7	1	11/22/19 09:04	11/23/19 18:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	390	110	1	11/22/19 09:04	11/23/19 18:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.1	1	11/22/19 09:04	11/23/19 18:47	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	85.1	1	11/22/19 09:04	11/23/19 18:47	120-83-2	
Diethylphthalate	ND	ug/kg	390	60.3	1	11/22/19 09:04	11/23/19 18:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	154	1	11/22/19 09:04	11/23/19 18:47	105-67-9	
Dimethylphthalate	ND	ug/kg	390	79.2	1	11/22/19 09:04	11/23/19 18:47	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (0.5-1.0) **Lab ID: 92454032005** Collected: 11/14/19 09:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	390	63.8	1	11/22/19 09:04	11/23/19 18:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	780	78.0	1	11/22/19 09:04	11/23/19 18:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.8	1	11/22/19 09:04	11/23/19 18:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	73.3	1	11/22/19 09:04	11/23/19 18:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	81.6	1	11/22/19 09:04	11/23/19 18:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	81.6	1	11/22/19 09:04	11/23/19 18:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:47	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.4	1	11/22/19 09:04	11/23/19 18:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	49.7	1	11/22/19 09:04	11/23/19 18:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	72.1	1	11/22/19 09:04	11/23/19 18:47	77-47-4	
Hexachloroethane	ND	ug/kg	390	103	1	11/22/19 09:04	11/23/19 18:47	67-72-1	
Isophorone	ND	ug/kg	390	87.5	1	11/22/19 09:04	11/23/19 18:47	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	11/22/19 09:04	11/23/19 18:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	154	1	11/22/19 09:04	11/23/19 18:47	15831-10-4	
2-Nitroaniline	ND	ug/kg	1950	121	1	11/22/19 09:04	11/23/19 18:47	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/19 09:04	11/23/19 18:47	99-09-2	
4-Nitroaniline	ND	ug/kg	780	110	1	11/22/19 09:04	11/23/19 18:47	100-01-6	
Nitrobenzene	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:47	98-95-3	
2-Nitrophenol	ND	ug/kg	390	94.6	1	11/22/19 09:04	11/23/19 18:47	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.8	1	11/22/19 09:04	11/23/19 18:47	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	390	127	1	11/22/19 09:04	11/23/19 18:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.5	1	11/22/19 09:04	11/23/19 18:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	11/22/19 09:04	11/23/19 18:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	11/22/19 09:04	11/23/19 18:47	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.9	1	11/22/19 09:04	11/23/19 18:47	87-86-5	
Phenol	ND	ug/kg	390	117	1	11/22/19 09:04	11/23/19 18:47	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	390	75.7	1	11/22/19 09:04	11/23/19 18:47	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	390	121	1	11/22/19 09:04	11/23/19 18:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	86.3	1	11/22/19 09:04	11/23/19 18:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	57	%	23-110		1	11/22/19 09:04	11/23/19 18:47	4165-60-0	
2-Fluorobiphenyl (S)	61	%	30-110		1	11/22/19 09:04	11/23/19 18:47	321-60-8	
Terphenyl-d14 (S)	54	%	28-110		1	11/22/19 09:04	11/23/19 18:47	1718-51-0	
Phenol-d6 (S)	54	%	22-110		1	11/22/19 09:04	11/23/19 18:47	13127-88-3	
2-Fluorophenol (S)	53	%	13-110		1	11/22/19 09:04	11/23/19 18:47	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110		1	11/22/19 09:04	11/23/19 18:47	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	92.2	9.2	1	11/21/19 16:35	11/21/19 18:39	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1	11/21/19 16:35	11/21/19 18:39	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1	11/21/19 16:35	11/21/19 18:39	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1	11/21/19 16:35	11/21/19 18:39	74-83-9	L1

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (0.5-1.0) **Lab ID: 92454032005** Collected: 11/14/19 09:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	92.2	2.7	1	11/21/19 16:35	11/21/19 18:39	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1.5	1	11/21/19 16:35	11/21/19 18:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1	11/21/19 16:35	11/21/19 18:39	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1	11/21/19 16:35	11/21/19 18:39	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1	11/21/19 16:35	11/21/19 18:39	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1	11/21/19 16:35	11/21/19 18:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1	11/21/19 16:35	11/21/19 18:39	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	106-93-4	
Dibromomethane	ND	ug/kg	4.6	2.3	1	11/21/19 16:35	11/21/19 18:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1	11/21/19 16:35	11/21/19 18:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1	11/21/19 16:35	11/21/19 18:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1	11/21/19 16:35	11/21/19 18:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1	11/21/19 16:35	11/21/19 18:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/21/19 16:35	11/21/19 18:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/21/19 16:35	11/21/19 18:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	87-68-3	
2-Hexanone	ND	ug/kg	46.1	3.6	1	11/21/19 16:35	11/21/19 18:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	2.8	1	11/21/19 16:35	11/21/19 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.1	3.4	1	11/21/19 16:35	11/21/19 18:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1	11/21/19 16:35	11/21/19 18:39	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1.1	1	11/21/19 16:35	11/21/19 18:39	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	103-65-1	
Styrene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.9	1	11/21/19 16:35	11/21/19 18:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1	11/21/19 16:35	11/21/19 18:39	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (0.5-1.0) **Lab ID: 92454032005** Collected: 11/14/19 09:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1	11/21/19 16:35	11/21/19 18:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1	11/21/19 16:35	11/21/19 18:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1	11/21/19 16:35	11/21/19 18:39	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1	11/21/19 16:35	11/21/19 18:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1	11/21/19 16:35	11/21/19 18:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1.5	1	11/21/19 16:35	11/21/19 18:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.7	1	11/21/19 16:35	11/21/19 18:39	108-67-8	
Vinyl acetate	ND	ug/kg	46.1	8.1	1	11/21/19 16:35	11/21/19 18:39	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1.7	1	11/21/19 16:35	11/21/19 18:39	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	3.3	1	11/21/19 16:35	11/21/19 18:39	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	3.3	1	11/21/19 16:35	11/21/19 18:39	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.8	1	11/21/19 16:35	11/21/19 18:39	95-47-6	
Surrogates									
Toluene-d8 (S)	92	%	70-130		1	11/21/19 16:35	11/21/19 18:39	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1	11/21/19 16:35	11/21/19 18:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1	11/21/19 16:35	11/21/19 18:39	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (5.5-6.0) **Lab ID: 92454032006** Collected: 11/14/19 09:05 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.1J**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 18:19	83-32-9	
Acenaphthylene	**4.1J**	ug/kg	11.7	0.53	1	11/22/19 10:24	11/22/19 18:19	208-96-8	
Anthracene	**17.1**	ug/kg	11.7	0.47	1	11/22/19 10:24	11/22/19 18:19	120-12-7	
Benzo(a)anthracene	**31.2**	ug/kg	11.7	0.85	1	11/22/19 10:24	11/22/19 18:19	56-55-3	
Benzo(a)pyrene	**22.6**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 18:19	50-32-8	
Benzo(b)fluoranthene	**42.4**	ug/kg	11.7	0.83	1	11/22/19 10:24	11/22/19 18:19	205-99-2	
Benzo(g,h,i)perylene	**17.9**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 18:19	191-24-2	
Benzo(k)fluoranthene	**14.6**	ug/kg	11.7	0.46	1	11/22/19 10:24	11/22/19 18:19	207-08-9	
Chrysene	**38.6**	ug/kg	11.7	0.56	1	11/22/19 10:24	11/22/19 18:19	218-01-9	
Dibenz(a,h)anthracene	**5.4J**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 18:19	53-70-3	
Fluoranthene	**71.3**	ug/kg	11.7	1.5	1	11/22/19 10:24	11/22/19 18:19	206-44-0	
Fluorene	**4.9J**	ug/kg	11.7	0.49	1	11/22/19 10:24	11/22/19 18:19	86-73-7	
Indeno(1,2,3-cd)pyrene	**15.1**	ug/kg	11.7	1.0	1	11/22/19 10:24	11/22/19 18:19	193-39-5	
1-Methylnaphthalene	**12.3**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 18:19	90-12-0	
2-Methylnaphthalene	**18.8**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 18:19	91-57-6	
Naphthalene	**32.1**	ug/kg	11.7	0.74	1	11/22/19 10:24	11/22/19 18:19	91-20-3	
Phenanthrene	**88.6**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 18:19	85-01-8	
Pyrene	**54.7**	ug/kg	11.7	1.2	1	11/22/19 10:24	11/22/19 18:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	10-128		1	11/22/19 10:24	11/22/19 18:19	4165-60-0	
2-Fluorobiphenyl (S)	69	%	10-110		1	11/22/19 10:24	11/22/19 18:19	321-60-8	
Terphenyl-d14 (S)	62	%	39-119		1	11/22/19 10:24	11/22/19 18:19	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	381	103	1	11/22/19 09:04	11/23/19 19:21	62-53-3	
Benzoic Acid	ND	ug/kg	1910	69.3	1	11/22/19 09:04	11/23/19 19:21	65-85-0	
Benzyl alcohol	ND	ug/kg	762	76.2	1	11/22/19 09:04	11/23/19 19:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	381	69.3	1	11/22/19 09:04	11/23/19 19:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	381	80.9	1	11/22/19 09:04	11/23/19 19:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	762	78.5	1	11/22/19 09:04	11/23/19 19:21	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	106	1	11/22/19 09:04	11/23/19 19:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	381	88.9	1	11/22/19 09:04	11/23/19 19:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	381	97.0	1	11/22/19 09:04	11/23/19 19:21	111-44-4	
2-Chloronaphthalene	ND	ug/kg	381	75.1	1	11/22/19 09:04	11/23/19 19:21	91-58-7	
2-Chlorophenol	ND	ug/kg	381	104	1	11/22/19 09:04	11/23/19 19:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	381	78.5	1	11/22/19 09:04	11/23/19 19:21	7005-72-3	
Dibenzofuran	ND	ug/kg	381	62.4	1	11/22/19 09:04	11/23/19 19:21	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	381	102	1	11/22/19 09:04	11/23/19 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	381	86.6	1	11/22/19 09:04	11/23/19 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	381	107	1	11/22/19 09:04	11/23/19 19:21	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	83.2	1	11/22/19 09:04	11/23/19 19:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	381	83.2	1	11/22/19 09:04	11/23/19 19:21	120-83-2	
Diethylphthalate	ND	ug/kg	381	58.9	1	11/22/19 09:04	11/23/19 19:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	381	150	1	11/22/19 09:04	11/23/19 19:21	105-67-9	
Dimethylphthalate	ND	ug/kg	381	77.4	1	11/22/19 09:04	11/23/19 19:21	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (5.5-6.0) **Lab ID: 92454032006** Collected: 11/14/19 09:05 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	381	62.4	1	11/22/19 09:04	11/23/19 19:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	762	76.2	1	11/22/19 09:04	11/23/19 19:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	62.4	1	11/22/19 09:04	11/23/19 19:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	381	71.6	1	11/22/19 09:04	11/23/19 19:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	381	79.7	1	11/22/19 09:04	11/23/19 19:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	381	79.7	1	11/22/19 09:04	11/23/19 19:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	381	104	1	11/22/19 09:04	11/23/19 19:21	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	381	65.8	1	11/22/19 09:04	11/23/19 19:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	381	48.5	1	11/22/19 09:04	11/23/19 19:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	381	70.5	1	11/22/19 09:04	11/23/19 19:21	77-47-4	
Hexachloroethane	ND	ug/kg	381	100	1	11/22/19 09:04	11/23/19 19:21	67-72-1	
Isophorone	ND	ug/kg	381	85.5	1	11/22/19 09:04	11/23/19 19:21	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	381	116	1	11/22/19 09:04	11/23/19 19:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	381	150	1	11/22/19 09:04	11/23/19 19:21	15831-10-4	
2-Nitroaniline	ND	ug/kg	1910	118	1	11/22/19 09:04	11/23/19 19:21	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	104	1	11/22/19 09:04	11/23/19 19:21	99-09-2	
4-Nitroaniline	ND	ug/kg	762	107	1	11/22/19 09:04	11/23/19 19:21	100-01-6	
Nitrobenzene	ND	ug/kg	381	104	1	11/22/19 09:04	11/23/19 19:21	98-95-3	
2-Nitrophenol	ND	ug/kg	381	92.4	1	11/22/19 09:04	11/23/19 19:21	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	68.1	1	11/22/19 09:04	11/23/19 19:21	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	381	124	1	11/22/19 09:04	11/23/19 19:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	381	72.8	1	11/22/19 09:04	11/23/19 19:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	381	113	1	11/22/19 09:04	11/23/19 19:21	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	381	102	1	11/22/19 09:04	11/23/19 19:21	108-60-1	
Pentachlorophenol	ND	ug/kg	1910	69.3	1	11/22/19 09:04	11/23/19 19:21	87-86-5	
Phenol	ND	ug/kg	381	114	1	11/22/19 09:04	11/23/19 19:21	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	381	73.9	1	11/22/19 09:04	11/23/19 19:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	381	118	1	11/22/19 09:04	11/23/19 19:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	381	84.3	1	11/22/19 09:04	11/23/19 19:21	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	45	%	23-110		1	11/22/19 09:04	11/23/19 19:21	4165-60-0	
2-Fluorobiphenyl (S)	49	%	30-110		1	11/22/19 09:04	11/23/19 19:21	321-60-8	
Terphenyl-d14 (S)	45	%	28-110		1	11/22/19 09:04	11/23/19 19:21	1718-51-0	
Phenol-d6 (S)	45	%	22-110		1	11/22/19 09:04	11/23/19 19:21	13127-88-3	
2-Fluorophenol (S)	44	%	13-110		1	11/22/19 09:04	11/23/19 19:21	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110		1	11/22/19 09:04	11/23/19 19:21	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	4510	451	25	11/21/19 16:35	11/22/19 20:59	67-64-1	
Benzene	ND	ug/kg	226	72.2	25	11/21/19 16:35	11/22/19 20:59	71-43-2	
Bromobenzene	ND	ug/kg	226	90.3	25	11/21/19 16:35	11/22/19 20:59	108-86-1	
Bromochloromethane	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	74-97-5	
Bromodichloromethane	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	75-27-4	
Bromoform	ND	ug/kg	226	104	25	11/21/19 16:35	11/22/19 20:59	75-25-2	
Bromomethane	ND	ug/kg	451	113	25	11/21/19 16:35	11/22/19 20:59	74-83-9	L1

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (5.5-6.0) **Lab ID: 92454032006** Collected: 11/14/19 09:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	4510	131	25	11/21/19 16:35	11/22/19 20:59	78-93-3	
n-Butylbenzene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	226	72.2	25	11/21/19 16:35	11/22/19 20:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	226	90.3	25	11/21/19 16:35	11/22/19 20:59	98-06-6	
Carbon tetrachloride	ND	ug/kg	226	117	25	11/21/19 16:35	11/22/19 20:59	56-23-5	
Chlorobenzene	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	108-90-7	
Chloroethane	ND	ug/kg	451	108	25	11/21/19 16:35	11/22/19 20:59	75-00-3	
Chloroform	ND	ug/kg	226	72.2	25	11/21/19 16:35	11/22/19 20:59	67-66-3	
Chloromethane	ND	ug/kg	451	108	25	11/21/19 16:35	11/22/19 20:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	226	162	25	11/21/19 16:35	11/22/19 20:59	96-12-8	
Dibromochloromethane	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	106-93-4	
Dibromomethane	ND	ug/kg	226	113	25	11/21/19 16:35	11/22/19 20:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	226	90.3	25	11/21/19 16:35	11/22/19 20:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	451	162	25	11/21/19 16:35	11/22/19 20:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	226	67.7	25	11/21/19 16:35	11/22/19 20:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	226	99.3	25	11/21/19 16:35	11/22/19 20:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	226	63.2	25	11/21/19 16:35	11/22/19 20:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	226	67.7	25	11/21/19 16:35	11/22/19 20:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	226	67.7	25	11/21/19 16:35	11/22/19 20:59	10061-02-6	
Diisopropyl ether	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	108-20-3	
Ethylbenzene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	226	90.3	25	11/21/19 16:35	11/22/19 20:59	87-68-3	
2-Hexanone	ND	ug/kg	2260	176	25	11/21/19 16:35	11/22/19 20:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	99-87-6	
Methylene Chloride	**810J**	ug/kg	903	135	25	11/21/19 16:35	11/22/19 20:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2260	167	25	11/21/19 16:35	11/22/19 20:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	226	67.7	25	11/21/19 16:35	11/22/19 20:59	1634-04-4	
Naphthalene	**66.1J**	ug/kg	226	54.2	25	11/21/19 16:35	11/22/19 20:59	91-20-3	
n-Propylbenzene	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	103-65-1	
Styrene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	226	94.8	25	11/21/19 16:35	11/22/19 20:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	79-34-5	
Tetrachloroethene	ND	ug/kg	226	76.7	25	11/21/19 16:35	11/22/19 20:59	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-12 (5.5-6.0) **Lab ID: 92454032006** Collected: 11/14/19 09:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	226	99.3	25	11/21/19 16:35	11/22/19 20:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	226	72.2	25	11/21/19 16:35	11/22/19 20:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	226	94.8	25	11/21/19 16:35	11/22/19 20:59	79-00-5	
Trichloroethene	ND	ug/kg	226	94.8	25	11/21/19 16:35	11/22/19 20:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	226	99.3	25	11/21/19 16:35	11/22/19 20:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	226	72.2	25	11/21/19 16:35	11/22/19 20:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	226	90.3	25	11/21/19 16:35	11/22/19 20:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	226	81.2	25	11/21/19 16:35	11/22/19 20:59	108-67-8	
Vinyl acetate	ND	ug/kg	2260	397	25	11/21/19 16:35	11/22/19 20:59	108-05-4	
Vinyl chloride	ND	ug/kg	451	81.2	25	11/21/19 16:35	11/22/19 20:59	75-01-4	
Xylene (Total)	ND	ug/kg	451	162	25	11/21/19 16:35	11/22/19 20:59	1330-20-7	
m&p-Xylene	ND	ug/kg	451	162	25	11/21/19 16:35	11/22/19 20:59	179601-23-1	
o-Xylene	ND	ug/kg	226	85.7	25	11/21/19 16:35	11/22/19 20:59	95-47-6	
Surrogates									
Toluene-d8 (S)	107	%	70-130		25	11/21/19 16:35	11/22/19 20:59	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		25	11/21/19 16:35	11/22/19 20:59	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		25	11/21/19 16:35	11/22/19 20:59	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (0.5-1.0) **Lab ID: 92454032007** Collected: 11/14/19 09:15 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**18.7**	ug/kg	11.8	0.59	1	11/22/19 10:24	11/22/19 18:40	83-32-9	
Acenaphthylene	**7.6J**	ug/kg	11.8	0.53	1	11/22/19 10:24	11/22/19 18:40	208-96-8	
Anthracene	**92.4**	ug/kg	11.8	0.48	1	11/22/19 10:24	11/22/19 18:40	120-12-7	
Benzo(a)anthracene	**109**	ug/kg	11.8	0.86	1	11/22/19 10:24	11/22/19 18:40	56-55-3	
Benzo(a)pyrene	**70.8**	ug/kg	11.8	0.58	1	11/22/19 10:24	11/22/19 18:40	50-32-8	
Benzo(b)fluoranthene	**134**	ug/kg	11.8	0.84	1	11/22/19 10:24	11/22/19 18:40	205-99-2	
Benzo(g,h,i)perylene	**65.6**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 18:40	191-24-2	
Benzo(k)fluoranthene	**41.6**	ug/kg	11.8	0.47	1	11/22/19 10:24	11/22/19 18:40	207-08-9	
Chrysene	**131**	ug/kg	11.8	0.57	1	11/22/19 10:24	11/22/19 18:40	218-01-9	
Dibenz(a,h)anthracene	**17.5**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 18:40	53-70-3	
Fluoranthene	**249**	ug/kg	11.8	1.5	1	11/22/19 10:24	11/22/19 18:40	206-44-0	
Fluorene	**36.5**	ug/kg	11.8	0.50	1	11/22/19 10:24	11/22/19 18:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**46.7**	ug/kg	11.8	1.0	1	11/22/19 10:24	11/22/19 18:40	193-39-5	
1-Methylnaphthalene	**48.8**	ug/kg	11.8	0.71	1	11/22/19 10:24	11/22/19 18:40	90-12-0	
2-Methylnaphthalene	**69.7**	ug/kg	11.8	0.71	1	11/22/19 10:24	11/22/19 18:40	91-57-6	
Naphthalene	**71.9**	ug/kg	11.8	0.75	1	11/22/19 10:24	11/22/19 18:40	91-20-3	
Phenanthrene	**305**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 18:40	85-01-8	
Pyrene	**242**	ug/kg	11.8	1.2	1	11/22/19 10:24	11/22/19 18:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/19 10:24	11/22/19 18:40	4165-60-0	
2-Fluorobiphenyl (S)	73	%	10-110		1	11/22/19 10:24	11/22/19 18:40	321-60-8	
Terphenyl-d14 (S)	73	%	39-119		1	11/22/19 10:24	11/22/19 18:40	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	393	106	1	11/22/19 09:04	11/23/19 14:15	62-53-3	
Benzoic Acid	ND	ug/kg	1970	71.5	1	11/22/19 09:04	11/23/19 14:15	65-85-0	
Benzyl alcohol	ND	ug/kg	786	78.6	1	11/22/19 09:04	11/23/19 14:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	393	71.5	1	11/22/19 09:04	11/23/19 14:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	83.4	1	11/22/19 09:04	11/23/19 14:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	786	81.0	1	11/22/19 09:04	11/23/19 14:15	59-50-7	
4-Chloroaniline	ND	ug/kg	1970	110	1	11/22/19 09:04	11/23/19 14:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	91.7	1	11/22/19 09:04	11/23/19 14:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	100	1	11/22/19 09:04	11/23/19 14:15	111-44-4	
2-Chloronaphthalene	ND	ug/kg	393	77.4	1	11/22/19 09:04	11/23/19 14:15	91-58-7	
2-Chlorophenol	ND	ug/kg	393	107	1	11/22/19 09:04	11/23/19 14:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	81.0	1	11/22/19 09:04	11/23/19 14:15	7005-72-3	
Dibenzofuran	**89.1J**	ug/kg	393	64.3	1	11/22/19 09:04	11/23/19 14:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	393	105	1	11/22/19 09:04	11/23/19 14:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	393	89.4	1	11/22/19 09:04	11/23/19 14:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	393	111	1	11/22/19 09:04	11/23/19 14:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1970	85.8	1	11/22/19 09:04	11/23/19 14:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	393	85.8	1	11/22/19 09:04	11/23/19 14:15	120-83-2	
Diethylphthalate	ND	ug/kg	393	60.8	1	11/22/19 09:04	11/23/19 14:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	393	155	1	11/22/19 09:04	11/23/19 14:15	105-67-9	
Dimethylphthalate	ND	ug/kg	393	79.8	1	11/22/19 09:04	11/23/19 14:15	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (0.5-1.0) **Lab ID: 92454032007** Collected: 11/14/19 09:15 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	393	64.3	1	11/22/19 09:04	11/23/19 14:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	786	78.6	1	11/22/19 09:04	11/23/19 14:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1970	64.3	1	11/22/19 09:04	11/23/19 14:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	393	73.9	1	11/22/19 09:04	11/23/19 14:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	393	82.2	1	11/22/19 09:04	11/23/19 14:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	393	82.2	1	11/22/19 09:04	11/23/19 14:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	393	107	1	11/22/19 09:04	11/23/19 14:15	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	393	67.9	1	11/22/19 09:04	11/23/19 14:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	393	50.0	1	11/22/19 09:04	11/23/19 14:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	393	72.7	1	11/22/19 09:04	11/23/19 14:15	77-47-4	v3
Hexachloroethane	ND	ug/kg	393	104	1	11/22/19 09:04	11/23/19 14:15	67-72-1	
Isophorone	ND	ug/kg	393	88.2	1	11/22/19 09:04	11/23/19 14:15	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	393	119	1	11/22/19 09:04	11/23/19 14:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	393	155	1	11/22/19 09:04	11/23/19 14:15	15831-10-4	
2-Nitroaniline	ND	ug/kg	1970	122	1	11/22/19 09:04	11/23/19 14:15	88-74-4	
3-Nitroaniline	ND	ug/kg	1970	107	1	11/22/19 09:04	11/23/19 14:15	99-09-2	
4-Nitroaniline	ND	ug/kg	786	111	1	11/22/19 09:04	11/23/19 14:15	100-01-6	
Nitrobenzene	ND	ug/kg	393	107	1	11/22/19 09:04	11/23/19 14:15	98-95-3	
2-Nitrophenol	ND	ug/kg	393	95.3	1	11/22/19 09:04	11/23/19 14:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1970	70.3	1	11/22/19 09:04	11/23/19 14:15	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	393	127	1	11/22/19 09:04	11/23/19 14:15	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	393	75.1	1	11/22/19 09:04	11/23/19 14:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	393	117	1	11/22/19 09:04	11/23/19 14:15	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	393	105	1	11/22/19 09:04	11/23/19 14:15	108-60-1	
Pentachlorophenol	ND	ug/kg	1970	71.5	1	11/22/19 09:04	11/23/19 14:15	87-86-5	
Phenol	ND	ug/kg	393	118	1	11/22/19 09:04	11/23/19 14:15	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	393	76.2	1	11/22/19 09:04	11/23/19 14:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	393	122	1	11/22/19 09:04	11/23/19 14:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	393	87.0	1	11/22/19 09:04	11/23/19 14:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	23-110		1	11/22/19 09:04	11/23/19 14:15	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-110		1	11/22/19 09:04	11/23/19 14:15	321-60-8	
Terphenyl-d14 (S)	68	%	28-110		1	11/22/19 09:04	11/23/19 14:15	1718-51-0	
Phenol-d6 (S)	71	%	22-110		1	11/22/19 09:04	11/23/19 14:15	13127-88-3	
2-Fluorophenol (S)	68	%	13-110		1	11/22/19 09:04	11/23/19 14:15	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	11/22/19 09:04	11/23/19 14:15	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	102	10.2	1	11/21/19 16:35	11/21/19 19:30	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1	11/21/19 16:35	11/21/19 19:30	71-43-2	
Bromobenzene	ND	ug/kg	5.1	2.0	1	11/21/19 16:35	11/21/19 19:30	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1	11/21/19 16:35	11/21/19 19:30	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.5	1	11/21/19 16:35	11/21/19 19:30	74-83-9	L1

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (0.5-1.0) **Lab ID: 92454032007** Collected: 11/14/19 09:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	102	2.9	1	11/21/19 16:35	11/21/19 19:30	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1.6	1	11/21/19 16:35	11/21/19 19:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	2.0	1	11/21/19 16:35	11/21/19 19:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1	11/21/19 16:35	11/21/19 19:30	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.4	1	11/21/19 16:35	11/21/19 19:30	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1	11/21/19 16:35	11/21/19 19:30	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.4	1	11/21/19 16:35	11/21/19 19:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1	11/21/19 16:35	11/21/19 19:30	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	106-93-4	
Dibromomethane	ND	ug/kg	5.1	2.5	1	11/21/19 16:35	11/21/19 19:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1	11/21/19 16:35	11/21/19 19:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1	11/21/19 16:35	11/21/19 19:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1	11/21/19 16:35	11/21/19 19:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1	11/21/19 16:35	11/21/19 19:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1	11/21/19 16:35	11/21/19 19:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1.5	1	11/21/19 16:35	11/21/19 19:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1	11/21/19 16:35	11/21/19 19:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	108-20-3	
Ethylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	2.0	1	11/21/19 16:35	11/21/19 19:30	87-68-3	
2-Hexanone	ND	ug/kg	50.8	4.0	1	11/21/19 16:35	11/21/19 19:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	99-87-6	
Methylene Chloride	ND	ug/kg	20.3	3.1	1	11/21/19 16:35	11/21/19 19:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.8	3.8	1	11/21/19 16:35	11/21/19 19:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1	11/21/19 16:35	11/21/19 19:30	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1.2	1	11/21/19 16:35	11/21/19 19:30	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	103-65-1	
Styrene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	2.1	1	11/21/19 16:35	11/21/19 19:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1	11/21/19 16:35	11/21/19 19:30	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (0.5-1.0) **Lab ID: 92454032007** Collected: 11/14/19 09:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1	11/21/19 16:35	11/21/19 19:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1	11/21/19 16:35	11/21/19 19:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1	11/21/19 16:35	11/21/19 19:30	79-00-5	
Trichloroethene	ND	ug/kg	5.1	2.1	1	11/21/19 16:35	11/21/19 19:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1	11/21/19 16:35	11/21/19 19:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1.6	1	11/21/19 16:35	11/21/19 19:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	2.0	1	11/21/19 16:35	11/21/19 19:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1.8	1	11/21/19 16:35	11/21/19 19:30	108-67-8	
Vinyl acetate	ND	ug/kg	50.8	8.9	1	11/21/19 16:35	11/21/19 19:30	108-05-4	
Vinyl chloride	ND	ug/kg	10.2	1.8	1	11/21/19 16:35	11/21/19 19:30	75-01-4	
Xylene (Total)	ND	ug/kg	10.2	3.7	1	11/21/19 16:35	11/21/19 19:30	1330-20-7	
m&p-Xylene	ND	ug/kg	10.2	3.7	1	11/21/19 16:35	11/21/19 19:30	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1	11/21/19 16:35	11/21/19 19:30	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	70-130		1	11/21/19 16:35	11/21/19 19:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1	11/21/19 16:35	11/21/19 19:30	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1	11/21/19 16:35	11/21/19 19:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (5.5-6.0) **Lab ID: 92454032008** Collected: 11/14/19 09:20 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**24.8**	ug/kg	11.6	0.58	1	11/22/19 10:24	11/22/19 19:01	83-32-9	
Acenaphthylene	**62.7**	ug/kg	11.6	0.52	1	11/22/19 10:24	11/22/19 19:01	208-96-8	
Anthracene	**161**	ug/kg	11.6	0.47	1	11/22/19 10:24	11/22/19 19:01	120-12-7	
Benzo(a)anthracene	**268**	ug/kg	11.6	0.84	1	11/22/19 10:24	11/22/19 19:01	56-55-3	
Benzo(a)pyrene	**227**	ug/kg	11.6	0.58	1	11/22/19 10:24	11/22/19 19:01	50-32-8	
Benzo(b)fluoranthene	**322**	ug/kg	11.6	0.83	1	11/22/19 10:24	11/22/19 19:01	205-99-2	
Benzo(g,h,i)perylene	**205**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 19:01	191-24-2	
Benzo(k)fluoranthene	**130**	ug/kg	11.6	0.46	1	11/22/19 10:24	11/22/19 19:01	207-08-9	
Chrysene	**279**	ug/kg	11.6	0.56	1	11/22/19 10:24	11/22/19 19:01	218-01-9	
Dibenz(a,h)anthracene	**49.4**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 19:01	53-70-3	
Fluoranthene	**465**	ug/kg	11.6	1.5	1	11/22/19 10:24	11/22/19 19:01	206-44-0	
Fluorene	**59.8**	ug/kg	11.6	0.49	1	11/22/19 10:24	11/22/19 19:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**154**	ug/kg	11.6	1.0	1	11/22/19 10:24	11/22/19 19:01	193-39-5	
1-Methylnaphthalene	**110**	ug/kg	11.6	0.70	1	11/22/19 10:24	11/22/19 19:01	90-12-0	
2-Methylnaphthalene	**178**	ug/kg	11.6	0.70	1	11/22/19 10:24	11/22/19 19:01	91-57-6	
Naphthalene	**280**	ug/kg	11.6	0.73	1	11/22/19 10:24	11/22/19 19:01	91-20-3	
Phenanthrene	**552**	ug/kg	11.6	1.3	1	11/22/19 10:24	11/22/19 19:01	85-01-8	
Pyrene	**435**	ug/kg	11.6	1.2	1	11/22/19 10:24	11/22/19 19:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/19 10:24	11/22/19 19:01	4165-60-0	
2-Fluorobiphenyl (S)	63	%	10-110		1	11/22/19 10:24	11/22/19 19:01	321-60-8	
Terphenyl-d14 (S)	60	%	39-119		1	11/22/19 10:24	11/22/19 19:01	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	377	102	1	11/22/19 09:04	11/23/19 19:56	62-53-3	
Benzoic Acid	ND	ug/kg	1880	68.5	1	11/22/19 09:04	11/23/19 19:56	65-85-0	
Benzyl alcohol	ND	ug/kg	753	75.3	1	11/22/19 09:04	11/23/19 19:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	68.5	1	11/22/19 09:04	11/23/19 19:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	79.9	1	11/22/19 09:04	11/23/19 19:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	753	77.6	1	11/22/19 09:04	11/23/19 19:56	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/22/19 09:04	11/23/19 19:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	87.9	1	11/22/19 09:04	11/23/19 19:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	95.9	1	11/22/19 09:04	11/23/19 19:56	111-44-4	
2-Chloronaphthalene	ND	ug/kg	377	74.2	1	11/22/19 09:04	11/23/19 19:56	91-58-7	
2-Chlorophenol	ND	ug/kg	377	103	1	11/22/19 09:04	11/23/19 19:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	77.6	1	11/22/19 09:04	11/23/19 19:56	7005-72-3	
Dibenzofuran	**117J**	ug/kg	377	61.6	1	11/22/19 09:04	11/23/19 19:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	377	100	1	11/22/19 09:04	11/23/19 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	377	85.6	1	11/22/19 09:04	11/23/19 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	377	106	1	11/22/19 09:04	11/23/19 19:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.2	1	11/22/19 09:04	11/23/19 19:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	82.2	1	11/22/19 09:04	11/23/19 19:56	120-83-2	
Diethylphthalate	ND	ug/kg	377	58.2	1	11/22/19 09:04	11/23/19 19:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	148	1	11/22/19 09:04	11/23/19 19:56	105-67-9	
Dimethylphthalate	ND	ug/kg	377	76.5	1	11/22/19 09:04	11/23/19 19:56	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (5.5-6.0) **Lab ID: 92454032008** Collected: 11/14/19 09:20 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	377	61.6	1	11/22/19 09:04	11/23/19 19:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	753	75.3	1	11/22/19 09:04	11/23/19 19:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.6	1	11/22/19 09:04	11/23/19 19:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	70.8	1	11/22/19 09:04	11/23/19 19:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	78.7	1	11/22/19 09:04	11/23/19 19:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	78.7	1	11/22/19 09:04	11/23/19 19:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	103	1	11/22/19 09:04	11/23/19 19:56	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	65.1	1	11/22/19 09:04	11/23/19 19:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	47.9	1	11/22/19 09:04	11/23/19 19:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	69.6	1	11/22/19 09:04	11/23/19 19:56	77-47-4	
Hexachloroethane	ND	ug/kg	377	99.3	1	11/22/19 09:04	11/23/19 19:56	67-72-1	
Isophorone	ND	ug/kg	377	84.5	1	11/22/19 09:04	11/23/19 19:56	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	114	1	11/22/19 09:04	11/23/19 19:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	148	1	11/22/19 09:04	11/23/19 19:56	15831-10-4	
2-Nitroaniline	ND	ug/kg	1880	116	1	11/22/19 09:04	11/23/19 19:56	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	11/22/19 09:04	11/23/19 19:56	99-09-2	
4-Nitroaniline	ND	ug/kg	753	106	1	11/22/19 09:04	11/23/19 19:56	100-01-6	
Nitrobenzene	ND	ug/kg	377	103	1	11/22/19 09:04	11/23/19 19:56	98-95-3	
2-Nitrophenol	ND	ug/kg	377	91.3	1	11/22/19 09:04	11/23/19 19:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.3	1	11/22/19 09:04	11/23/19 19:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	377	122	1	11/22/19 09:04	11/23/19 19:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	71.9	1	11/22/19 09:04	11/23/19 19:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	112	1	11/22/19 09:04	11/23/19 19:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	377	100	1	11/22/19 09:04	11/23/19 19:56	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.5	1	11/22/19 09:04	11/23/19 19:56	87-86-5	
Phenol	ND	ug/kg	377	113	1	11/22/19 09:04	11/23/19 19:56	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	377	73.0	1	11/22/19 09:04	11/23/19 19:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	377	116	1	11/22/19 09:04	11/23/19 19:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	83.3	1	11/22/19 09:04	11/23/19 19:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	23-110		1	11/22/19 09:04	11/23/19 19:56	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-110		1	11/22/19 09:04	11/23/19 19:56	321-60-8	
Terphenyl-d14 (S)	54	%	28-110		1	11/22/19 09:04	11/23/19 19:56	1718-51-0	
Phenol-d6 (S)	62	%	22-110		1	11/22/19 09:04	11/23/19 19:56	13127-88-3	
2-Fluorophenol (S)	62	%	13-110		1	11/22/19 09:04	11/23/19 19:56	367-12-4	
2,4,6-Tribromophenol (S)	77	%	27-110		1	11/22/19 09:04	11/23/19 19:56	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	96.9	9.7	1	11/21/19 16:35	11/21/19 19:56	67-64-1	
Benzene	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1.9	1	11/21/19 16:35	11/21/19 19:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	75-27-4	
Bromoform	ND	ug/kg	4.8	2.2	1	11/21/19 16:35	11/21/19 19:56	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1	11/21/19 16:35	11/21/19 19:56	74-83-9	L1

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (5.5-6.0) **Lab ID: 92454032008** Collected: 11/14/19 09:20 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	96.9	2.8	1	11/21/19 16:35	11/21/19 19:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1.9	1	11/21/19 16:35	11/21/19 19:56	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	2.5	1	11/21/19 16:35	11/21/19 19:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	108-90-7	
Chloroethane	ND	ug/kg	9.7	2.3	1	11/21/19 16:35	11/21/19 19:56	75-00-3	
Chloroform	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1	11/21/19 16:35	11/21/19 19:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	3.5	1	11/21/19 16:35	11/21/19 19:56	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	106-93-4	
Dibromomethane	ND	ug/kg	4.8	2.4	1	11/21/19 16:35	11/21/19 19:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.9	1	11/21/19 16:35	11/21/19 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1	11/21/19 16:35	11/21/19 19:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	2.1	1	11/21/19 16:35	11/21/19 19:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.4	1	11/21/19 16:35	11/21/19 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.9	1	11/21/19 16:35	11/21/19 19:56	87-68-3	
2-Hexanone	ND	ug/kg	48.4	3.8	1	11/21/19 16:35	11/21/19 19:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	99-87-6	
Methylene Chloride	ND	ug/kg	19.4	2.9	1	11/21/19 16:35	11/21/19 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.4	3.6	1	11/21/19 16:35	11/21/19 19:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1.2	1	11/21/19 16:35	11/21/19 19:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	103-65-1	
Styrene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	2.0	1	11/21/19 16:35	11/21/19 19:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1.6	1	11/21/19 16:35	11/21/19 19:56	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-18 (5.5-6.0) **Lab ID: 92454032008** Collected: 11/14/19 09:20 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	2.1	1	11/21/19 16:35	11/21/19 19:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	2.0	1	11/21/19 16:35	11/21/19 19:56	79-00-5	
Trichloroethene	ND	ug/kg	4.8	2.0	1	11/21/19 16:35	11/21/19 19:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	2.1	1	11/21/19 16:35	11/21/19 19:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.5	1	11/21/19 16:35	11/21/19 19:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1.9	1	11/21/19 16:35	11/21/19 19:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1.7	1	11/21/19 16:35	11/21/19 19:56	108-67-8	
Vinyl acetate	ND	ug/kg	48.4	8.5	1	11/21/19 16:35	11/21/19 19:56	108-05-4	
Vinyl chloride	ND	ug/kg	9.7	1.7	1	11/21/19 16:35	11/21/19 19:56	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	3.5	1	11/21/19 16:35	11/21/19 19:56	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	3.5	1	11/21/19 16:35	11/21/19 19:56	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1.8	1	11/21/19 16:35	11/21/19 19:56	95-47-6	
Surrogates									
Toluene-d8 (S)	151	%	70-130		1	11/21/19 16:35	11/21/19 19:56	2037-26-5	S3
4-Bromofluorobenzene (S)	106	%	70-130		1	11/21/19 16:35	11/21/19 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	76	%	70-130		1	11/21/19 16:35	11/21/19 19:56	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (0.5-1.0) **Lab ID: 92454032009** Collected: 11/14/19 08:00 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.61J**	ug/kg	12.0	0.60	1	11/22/19 10:24	11/22/19 19:22	83-32-9	
Acenaphthylene	**2.6J**	ug/kg	12.0	0.54	1	11/22/19 10:24	11/22/19 19:22	208-96-8	
Anthracene	**5.8J**	ug/kg	12.0	0.49	1	11/22/19 10:24	11/22/19 19:22	120-12-7	R1
Benzo(a)anthracene	**12.5**	ug/kg	12.0	0.88	1	11/22/19 10:24	11/22/19 19:22	56-55-3	M1,R1
Benzo(a)pyrene	**10.7J**	ug/kg	12.0	0.60	1	11/22/19 10:24	11/22/19 19:22	50-32-8	M1,R1
Benzo(b)fluoranthene	**21.0**	ug/kg	12.0	0.86	1	11/22/19 10:24	11/22/19 19:22	205-99-2	M1,R1
Benzo(g,h,i)perylene	**11.4J**	ug/kg	12.0	1.3	1	11/22/19 10:24	11/22/19 19:22	191-24-2	M1,R1
Benzo(k)fluoranthene	**6.5J**	ug/kg	12.0	0.48	1	11/22/19 10:24	11/22/19 19:22	207-08-9	M1,R1
Chrysene	**16.0**	ug/kg	12.0	0.58	1	11/22/19 10:24	11/22/19 19:22	218-01-9	M1,R1
Dibenz(a,h)anthracene	**3.2J**	ug/kg	12.0	1.3	1	11/22/19 10:24	11/22/19 19:22	53-70-3	M1,R1
Fluoranthene	**23.5**	ug/kg	12.0	1.5	1	11/22/19 10:24	11/22/19 19:22	206-44-0	M1,R1
Fluorene	**0.82J**	ug/kg	12.0	0.51	1	11/22/19 10:24	11/22/19 19:22	86-73-7	
Indeno(1,2,3-cd)pyrene	**9.0J**	ug/kg	12.0	1.1	1	11/22/19 10:24	11/22/19 19:22	193-39-5	M1,R1
1-Methylnaphthalene	**3.0J**	ug/kg	12.0	0.73	1	11/22/19 10:24	11/22/19 19:22	90-12-0	
2-Methylnaphthalene	**4.9J**	ug/kg	12.0	0.73	1	11/22/19 10:24	11/22/19 19:22	91-57-6	
Naphthalene	**8.3J**	ug/kg	12.0	0.76	1	11/22/19 10:24	11/22/19 19:22	91-20-3	
Phenanthrene	**26.0**	ug/kg	12.0	1.3	1	11/22/19 10:24	11/22/19 19:22	85-01-8	
Pyrene	**22.5**	ug/kg	12.0	1.2	1	11/22/19 10:24	11/22/19 19:22	129-00-0	M1,R1
Surrogates									
Nitrobenzene-d5 (S)	55	%	10-128		1	11/22/19 10:24	11/22/19 19:22	4165-60-0	
2-Fluorobiphenyl (S)	45	%	10-110		1	11/22/19 10:24	11/22/19 19:22	321-60-8	
Terphenyl-d14 (S)	55	%	39-119		1	11/22/19 10:24	11/22/19 19:22	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	398	107	1	11/22/19 09:04	11/23/19 20:29	62-53-3	
Benzoic Acid	ND	ug/kg	1990	72.4	1	11/22/19 09:04	11/23/19 20:29	65-85-0	
Benzyl alcohol	ND	ug/kg	797	79.7	1	11/22/19 09:04	11/23/19 20:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	72.4	1	11/22/19 09:04	11/23/19 20:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	84.5	1	11/22/19 09:04	11/23/19 20:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	797	82.1	1	11/22/19 09:04	11/23/19 20:29	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/19 09:04	11/23/19 20:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	93.0	1	11/22/19 09:04	11/23/19 20:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	101	1	11/22/19 09:04	11/23/19 20:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	398	78.5	1	11/22/19 09:04	11/23/19 20:29	91-58-7	
2-Chlorophenol	ND	ug/kg	398	109	1	11/22/19 09:04	11/23/19 20:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	82.1	1	11/22/19 09:04	11/23/19 20:29	7005-72-3	
Dibenzofuran	ND	ug/kg	398	65.2	1	11/22/19 09:04	11/23/19 20:29	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	398	106	1	11/22/19 09:04	11/23/19 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	398	90.6	1	11/22/19 09:04	11/23/19 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	398	112	1	11/22/19 09:04	11/23/19 20:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.9	1	11/22/19 09:04	11/23/19 20:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	398	86.9	1	11/22/19 09:04	11/23/19 20:29	120-83-2	
Diethylphthalate	ND	ug/kg	398	61.6	1	11/22/19 09:04	11/23/19 20:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	157	1	11/22/19 09:04	11/23/19 20:29	105-67-9	
Dimethylphthalate	ND	ug/kg	398	80.9	1	11/22/19 09:04	11/23/19 20:29	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (0.5-1.0) **Lab ID: 92454032009** Collected: 11/14/19 08:00 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	398	65.2	1	11/22/19 09:04	11/23/19 20:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	797	79.7	1	11/22/19 09:04	11/23/19 20:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.2	1	11/22/19 09:04	11/23/19 20:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	74.9	1	11/22/19 09:04	11/23/19 20:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	83.3	1	11/22/19 09:04	11/23/19 20:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	83.3	1	11/22/19 09:04	11/23/19 20:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	109	1	11/22/19 09:04	11/23/19 20:29	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	398	68.8	1	11/22/19 09:04	11/23/19 20:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	398	50.7	1	11/22/19 09:04	11/23/19 20:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	398	73.6	1	11/22/19 09:04	11/23/19 20:29	77-47-4	
Hexachloroethane	ND	ug/kg	398	105	1	11/22/19 09:04	11/23/19 20:29	67-72-1	
Isophorone	ND	ug/kg	398	89.3	1	11/22/19 09:04	11/23/19 20:29	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	121	1	11/22/19 09:04	11/23/19 20:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	398	157	1	11/22/19 09:04	11/23/19 20:29	15831-10-4	
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/19 09:04	11/23/19 20:29	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	109	1	11/22/19 09:04	11/23/19 20:29	99-09-2	
4-Nitroaniline	ND	ug/kg	797	112	1	11/22/19 09:04	11/23/19 20:29	100-01-6	
Nitrobenzene	ND	ug/kg	398	109	1	11/22/19 09:04	11/23/19 20:29	98-95-3	
2-Nitrophenol	ND	ug/kg	398	96.6	1	11/22/19 09:04	11/23/19 20:29	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.2	1	11/22/19 09:04	11/23/19 20:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	398	129	1	11/22/19 09:04	11/23/19 20:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	76.1	1	11/22/19 09:04	11/23/19 20:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	118	1	11/22/19 09:04	11/23/19 20:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	398	106	1	11/22/19 09:04	11/23/19 20:29	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.4	1	11/22/19 09:04	11/23/19 20:29	87-86-5	
Phenol	ND	ug/kg	398	120	1	11/22/19 09:04	11/23/19 20:29	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	398	77.3	1	11/22/19 09:04	11/23/19 20:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	398	123	1	11/22/19 09:04	11/23/19 20:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	88.1	1	11/22/19 09:04	11/23/19 20:29	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%	23-110		1	11/22/19 09:04	11/23/19 20:29	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-110		1	11/22/19 09:04	11/23/19 20:29	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/22/19 09:04	11/23/19 20:29	1718-51-0	
Phenol-d6 (S)	72	%	22-110		1	11/22/19 09:04	11/23/19 20:29	13127-88-3	
2-Fluorophenol (S)	70	%	13-110		1	11/22/19 09:04	11/23/19 20:29	367-12-4	
2,4,6-Tribromophenol (S)	94	%	27-110		1	11/22/19 09:04	11/23/19 20:29	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	2820	282	25	11/21/19 13:52	11/21/19 20:04	67-64-1	
Benzene	ND	ug/kg	141	45.2	25	11/21/19 13:52	11/21/19 20:04	71-43-2	
Bromobenzene	ND	ug/kg	141	56.5	25	11/21/19 13:52	11/21/19 20:04	108-86-1	
Bromochloromethane	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	74-97-5	
Bromodichloromethane	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	75-27-4	
Bromoform	ND	ug/kg	141	64.9	25	11/21/19 13:52	11/21/19 20:04	75-25-2	
Bromomethane	ND	ug/kg	282	70.6	25	11/21/19 13:52	11/21/19 20:04	74-83-9	L1,M0

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (0.5-1.0) **Lab ID: 92454032009** Collected: 11/14/19 08:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	2820	81.9	25	11/21/19 13:52	11/21/19 20:04	78-93-3	
n-Butylbenzene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	141	45.2	25	11/21/19 13:52	11/21/19 20:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	141	56.5	25	11/21/19 13:52	11/21/19 20:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	141	73.4	25	11/21/19 13:52	11/21/19 20:04	56-23-5	
Chlorobenzene	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	108-90-7	
Chloroethane	ND	ug/kg	282	67.8	25	11/21/19 13:52	11/21/19 20:04	75-00-3	M1
Chloroform	ND	ug/kg	141	45.2	25	11/21/19 13:52	11/21/19 20:04	67-66-3	
Chloromethane	ND	ug/kg	282	67.8	25	11/21/19 13:52	11/21/19 20:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	141	102	25	11/21/19 13:52	11/21/19 20:04	96-12-8	
Dibromochloromethane	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	106-93-4	
Dibromomethane	ND	ug/kg	141	70.6	25	11/21/19 13:52	11/21/19 20:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	141	56.5	25	11/21/19 13:52	11/21/19 20:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	282	102	25	11/21/19 13:52	11/21/19 20:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	141	42.3	25	11/21/19 13:52	11/21/19 20:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	141	62.1	25	11/21/19 13:52	11/21/19 20:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	141	39.5	25	11/21/19 13:52	11/21/19 20:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	141	42.3	25	11/21/19 13:52	11/21/19 20:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	141	42.3	25	11/21/19 13:52	11/21/19 20:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	108-20-3	
Ethylbenzene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	141	56.5	25	11/21/19 13:52	11/21/19 20:04	87-68-3	
2-Hexanone	ND	ug/kg	1410	110	25	11/21/19 13:52	11/21/19 20:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	99-87-6	
Methylene Chloride	ND	ug/kg	565	84.7	25	11/21/19 13:52	11/21/19 20:04	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1410	104	25	11/21/19 13:52	11/21/19 20:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	141	42.3	25	11/21/19 13:52	11/21/19 20:04	1634-04-4	
Naphthalene	**40.2J**	ug/kg	141	33.9	25	11/21/19 13:52	11/21/19 20:04	91-20-3	
n-Propylbenzene	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	103-65-1	
Styrene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	141	59.3	25	11/21/19 13:52	11/21/19 20:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	79-34-5	
Tetrachloroethene	ND	ug/kg	141	48.0	25	11/21/19 13:52	11/21/19 20:04	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (0.5-1.0) **Lab ID: 92454032009** Collected: 11/14/19 08:00 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	141	62.1	25	11/21/19 13:52	11/21/19 20:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	141	45.2	25	11/21/19 13:52	11/21/19 20:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	141	59.3	25	11/21/19 13:52	11/21/19 20:04	79-00-5	
Trichloroethene	ND	ug/kg	141	59.3	25	11/21/19 13:52	11/21/19 20:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	141	62.1	25	11/21/19 13:52	11/21/19 20:04	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/kg	141	45.2	25	11/21/19 13:52	11/21/19 20:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	141	56.5	25	11/21/19 13:52	11/21/19 20:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	141	50.8	25	11/21/19 13:52	11/21/19 20:04	108-67-8	
Vinyl acetate	ND	ug/kg	1410	248	25	11/21/19 13:52	11/21/19 20:04	108-05-4	
Vinyl chloride	ND	ug/kg	282	50.8	25	11/21/19 13:52	11/21/19 20:04	75-01-4	
Xylene (Total)	ND	ug/kg	282	102	25	11/21/19 13:52	11/21/19 20:04	1330-20-7	
m&p-Xylene	ND	ug/kg	282	102	25	11/21/19 13:52	11/21/19 20:04	179601-23-1	
o-Xylene	ND	ug/kg	141	53.6	25	11/21/19 13:52	11/21/19 20:04	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		25	11/21/19 13:52	11/21/19 20:04	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		25	11/21/19 13:52	11/21/19 20:04	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		25	11/21/19 13:52	11/21/19 20:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (5.5-6.0) **Lab ID: 92454032010** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**16.4**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 20:25	83-32-9	
Acenaphthylene	**23.7**	ug/kg	11.7	0.53	1	11/22/19 10:24	11/22/19 20:25	208-96-8	
Anthracene	**109**	ug/kg	11.7	0.48	1	11/22/19 10:24	11/22/19 20:25	120-12-7	
Benzo(a)anthracene	**142**	ug/kg	11.7	0.85	1	11/22/19 10:24	11/22/19 20:25	56-55-3	
Benzo(a)pyrene	**125**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 20:25	50-32-8	
Benzo(b)fluoranthene	**185**	ug/kg	11.7	0.83	1	11/22/19 10:24	11/22/19 20:25	205-99-2	
Benzo(g,h,i)perylene	**112**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 20:25	191-24-2	
Benzo(k)fluoranthene	**77.5**	ug/kg	11.7	0.47	1	11/22/19 10:24	11/22/19 20:25	207-08-9	
Chrysene	**163**	ug/kg	11.7	0.57	1	11/22/19 10:24	11/22/19 20:25	218-01-9	
Dibenz(a,h)anthracene	**28.6**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 20:25	53-70-3	
Fluoranthene	**314**	ug/kg	11.7	1.5	1	11/22/19 10:24	11/22/19 20:25	206-44-0	
Fluorene	**37.0**	ug/kg	11.7	0.50	1	11/22/19 10:24	11/22/19 20:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**87.0**	ug/kg	11.7	1.0	1	11/22/19 10:24	11/22/19 20:25	193-39-5	
1-Methylnaphthalene	**56.3**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 20:25	90-12-0	
2-Methylnaphthalene	**88.2**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 20:25	91-57-6	
Naphthalene	**152**	ug/kg	11.7	0.74	1	11/22/19 10:24	11/22/19 20:25	91-20-3	
Phenanthrene	**400**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 20:25	85-01-8	
Pyrene	**277**	ug/kg	11.7	1.2	1	11/22/19 10:24	11/22/19 20:25	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/19 10:24	11/22/19 20:25	4165-60-0	
2-Fluorobiphenyl (S)	65	%	10-110		1	11/22/19 10:24	11/22/19 20:25	321-60-8	
Terphenyl-d14 (S)	65	%	39-119		1	11/22/19 10:24	11/22/19 20:25	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	385	104	1	11/22/19 09:04	11/23/19 14:43	62-53-3	
Benzoic Acid	ND	ug/kg	1930	70.1	1	11/22/19 09:04	11/23/19 14:43	65-85-0	
Benzyl alcohol	ND	ug/kg	771	77.1	1	11/22/19 09:04	11/23/19 14:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	70.1	1	11/22/19 09:04	11/23/19 14:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	81.7	1	11/22/19 09:04	11/23/19 14:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	771	79.4	1	11/22/19 09:04	11/23/19 14:43	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	107	1	11/22/19 09:04	11/23/19 14:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	89.9	1	11/22/19 09:04	11/23/19 14:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	98.1	1	11/22/19 09:04	11/23/19 14:43	111-44-4	
2-Chloronaphthalene	ND	ug/kg	385	75.9	1	11/22/19 09:04	11/23/19 14:43	91-58-7	
2-Chlorophenol	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 14:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	79.4	1	11/22/19 09:04	11/23/19 14:43	7005-72-3	
Dibenzofuran	**118J**	ug/kg	385	63.0	1	11/22/19 09:04	11/23/19 14:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	385	103	1	11/22/19 09:04	11/23/19 14:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	385	87.6	1	11/22/19 09:04	11/23/19 14:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	385	109	1	11/22/19 09:04	11/23/19 14:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	84.1	1	11/22/19 09:04	11/23/19 14:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	84.1	1	11/22/19 09:04	11/23/19 14:43	120-83-2	
Diethylphthalate	ND	ug/kg	385	59.5	1	11/22/19 09:04	11/23/19 14:43	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	152	1	11/22/19 09:04	11/23/19 14:43	105-67-9	
Dimethylphthalate	ND	ug/kg	385	78.2	1	11/22/19 09:04	11/23/19 14:43	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (5.5-6.0) **Lab ID: 92454032010** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	385	63.0	1	11/22/19 09:04	11/23/19 14:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	771	77.1	1	11/22/19 09:04	11/23/19 14:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	63.0	1	11/22/19 09:04	11/23/19 14:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	72.4	1	11/22/19 09:04	11/23/19 14:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	80.6	1	11/22/19 09:04	11/23/19 14:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	80.6	1	11/22/19 09:04	11/23/19 14:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 14:43	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	66.6	1	11/22/19 09:04	11/23/19 14:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	49.0	1	11/22/19 09:04	11/23/19 14:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	71.2	1	11/22/19 09:04	11/23/19 14:43	77-47-4	v3
Hexachloroethane	ND	ug/kg	385	102	1	11/22/19 09:04	11/23/19 14:43	67-72-1	
Isophorone	ND	ug/kg	385	86.4	1	11/22/19 09:04	11/23/19 14:43	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	117	1	11/22/19 09:04	11/23/19 14:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	152	1	11/22/19 09:04	11/23/19 14:43	15831-10-4	
2-Nitroaniline	ND	ug/kg	1930	119	1	11/22/19 09:04	11/23/19 14:43	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	105	1	11/22/19 09:04	11/23/19 14:43	99-09-2	
4-Nitroaniline	ND	ug/kg	771	109	1	11/22/19 09:04	11/23/19 14:43	100-01-6	
Nitrobenzene	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 14:43	98-95-3	
2-Nitrophenol	ND	ug/kg	385	93.4	1	11/22/19 09:04	11/23/19 14:43	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	68.9	1	11/22/19 09:04	11/23/19 14:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	385	125	1	11/22/19 09:04	11/23/19 14:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	73.6	1	11/22/19 09:04	11/23/19 14:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	114	1	11/22/19 09:04	11/23/19 14:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	385	103	1	11/22/19 09:04	11/23/19 14:43	108-60-1	
Pentachlorophenol	ND	ug/kg	1930	70.1	1	11/22/19 09:04	11/23/19 14:43	87-86-5	
Phenol	ND	ug/kg	385	116	1	11/22/19 09:04	11/23/19 14:43	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	385	74.7	1	11/22/19 09:04	11/23/19 14:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	385	119	1	11/22/19 09:04	11/23/19 14:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	85.2	1	11/22/19 09:04	11/23/19 14:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	23-110		1	11/22/19 09:04	11/23/19 14:43	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-110		1	11/22/19 09:04	11/23/19 14:43	321-60-8	
Terphenyl-d14 (S)	57	%	28-110		1	11/22/19 09:04	11/23/19 14:43	1718-51-0	
Phenol-d6 (S)	77	%	22-110		1	11/22/19 09:04	11/23/19 14:43	13127-88-3	
2-Fluorophenol (S)	74	%	13-110		1	11/22/19 09:04	11/23/19 14:43	367-12-4	
2,4,6-Tribromophenol (S)	73	%	27-110		1	11/22/19 09:04	11/23/19 14:43	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	98.8	9.9	1	11/21/19 16:35	11/21/19 20:21	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1	11/21/19 16:35	11/21/19 20:21	71-43-2	
Bromobenzene	ND	ug/kg	4.9	2.0	1	11/21/19 16:35	11/21/19 20:21	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1	11/21/19 16:35	11/21/19 20:21	75-25-2	
Bromomethane	ND	ug/kg	9.9	2.5	1	11/21/19 16:35	11/21/19 20:21	74-83-9	L1

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (5.5-6.0) **Lab ID: 92454032010** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	98.8	2.9	1	11/21/19 16:35	11/21/19 20:21	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1	11/21/19 16:35	11/21/19 20:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	2.0	1	11/21/19 16:35	11/21/19 20:21	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.6	1	11/21/19 16:35	11/21/19 20:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	108-90-7	
Chloroethane	ND	ug/kg	9.9	2.4	1	11/21/19 16:35	11/21/19 20:21	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1	11/21/19 16:35	11/21/19 20:21	67-66-3	
Chloromethane	ND	ug/kg	9.9	2.4	1	11/21/19 16:35	11/21/19 20:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.6	1	11/21/19 16:35	11/21/19 20:21	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.5	1	11/21/19 16:35	11/21/19 20:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1	11/21/19 16:35	11/21/19 20:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.9	3.6	1	11/21/19 16:35	11/21/19 20:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1	11/21/19 16:35	11/21/19 20:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1	11/21/19 16:35	11/21/19 20:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1	11/21/19 16:35	11/21/19 20:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1	11/21/19 16:35	11/21/19 20:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1	11/21/19 16:35	11/21/19 20:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	2.0	1	11/21/19 16:35	11/21/19 20:21	87-68-3	
2-Hexanone	ND	ug/kg	49.4	3.9	1	11/21/19 16:35	11/21/19 20:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	99-87-6	
Methylene Chloride	ND	ug/kg	19.8	3.0	1	11/21/19 16:35	11/21/19 20:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.4	3.7	1	11/21/19 16:35	11/21/19 20:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1	11/21/19 16:35	11/21/19 20:21	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1	11/21/19 16:35	11/21/19 20:21	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.1	1	11/21/19 16:35	11/21/19 20:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1	11/21/19 16:35	11/21/19 20:21	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-19 (5.5-6.0) **Lab ID: 92454032010** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1	11/21/19 16:35	11/21/19 20:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1	11/21/19 16:35	11/21/19 20:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1	11/21/19 16:35	11/21/19 20:21	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.1	1	11/21/19 16:35	11/21/19 20:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1	11/21/19 16:35	11/21/19 20:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1	11/21/19 16:35	11/21/19 20:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	2.0	1	11/21/19 16:35	11/21/19 20:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1	11/21/19 16:35	11/21/19 20:21	108-67-8	
Vinyl acetate	ND	ug/kg	49.4	8.7	1	11/21/19 16:35	11/21/19 20:21	108-05-4	
Vinyl chloride	ND	ug/kg	9.9	1.8	1	11/21/19 16:35	11/21/19 20:21	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	3.6	1	11/21/19 16:35	11/21/19 20:21	1330-20-7	
m&p-Xylene	ND	ug/kg	9.9	3.6	1	11/21/19 16:35	11/21/19 20:21	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1	11/21/19 16:35	11/21/19 20:21	95-47-6	
Surrogates									
Toluene-d8 (S)	138	%	70-130		1	11/21/19 16:35	11/21/19 20:21	2037-26-5	S3
4-Bromofluorobenzene (S)	88	%	70-130		1	11/21/19 16:35	11/21/19 20:21	460-00-4	
1,2-Dichloroethane-d4 (S)	80	%	70-130		1	11/21/19 16:35	11/21/19 20:21	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		11/18/19 14:14		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (0.5-1.0) **Lab ID: 92454032011** Collected: 11/14/19 11:10 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.4J**	ug/kg	12.2	0.61	1	11/22/19 10:24	11/22/19 20:45	83-32-9	
Acenaphthylene	**15.0**	ug/kg	12.2	0.55	1	11/22/19 10:24	11/22/19 20:45	208-96-8	
Anthracene	**30.2**	ug/kg	12.2	0.50	1	11/22/19 10:24	11/22/19 20:45	120-12-7	
Benzo(a)anthracene	**76.2**	ug/kg	12.2	0.89	1	11/22/19 10:24	11/22/19 20:45	56-55-3	
Benzo(a)pyrene	**68.8**	ug/kg	12.2	0.61	1	11/22/19 10:24	11/22/19 20:45	50-32-8	
Benzo(b)fluoranthene	**111**	ug/kg	12.2	0.87	1	11/22/19 10:24	11/22/19 20:45	205-99-2	
Benzo(g,h,i)perylene	**69.2**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 20:45	191-24-2	
Benzo(k)fluoranthene	**35.8**	ug/kg	12.2	0.49	1	11/22/19 10:24	11/22/19 20:45	207-08-9	
Chrysene	**82.6**	ug/kg	12.2	0.59	1	11/22/19 10:24	11/22/19 20:45	218-01-9	
Dibenz(a,h)anthracene	**18.2**	ug/kg	12.2	1.4	1	11/22/19 10:24	11/22/19 20:45	53-70-3	
Fluoranthene	**116**	ug/kg	12.2	1.5	1	11/22/19 10:24	11/22/19 20:45	206-44-0	
Fluorene	**4.5J**	ug/kg	12.2	0.52	1	11/22/19 10:24	11/22/19 20:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**55.8**	ug/kg	12.2	1.1	1	11/22/19 10:24	11/22/19 20:45	193-39-5	
1-Methylnaphthalene	**14.6**	ug/kg	12.2	0.74	1	11/22/19 10:24	11/22/19 20:45	90-12-0	
2-Methylnaphthalene	**21.5**	ug/kg	12.2	0.74	1	11/22/19 10:24	11/22/19 20:45	91-57-6	
Naphthalene	**28.1**	ug/kg	12.2	0.77	1	11/22/19 10:24	11/22/19 20:45	91-20-3	
Phenanthrene	**105**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 20:45	85-01-8	
Pyrene	**109**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 20:45	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	62	%	10-128		1	11/22/19 10:24	11/22/19 20:45	4165-60-0	
2-Fluorobiphenyl (S)	64	%	10-110		1	11/22/19 10:24	11/22/19 20:45	321-60-8	
Terphenyl-d14 (S)	57	%	39-119		1	11/22/19 10:24	11/22/19 20:45	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	403	109	1	11/22/19 09:04	11/23/19 15:11	62-53-3	
Benzoic Acid	ND	ug/kg	2020	73.3	1	11/22/19 09:04	11/23/19 15:11	65-85-0	
Benzyl alcohol	ND	ug/kg	806	80.6	1	11/22/19 09:04	11/23/19 15:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	403	73.3	1	11/22/19 09:04	11/23/19 15:11	101-55-3	
Butylbenzylphthalate	ND	ug/kg	403	85.5	1	11/22/19 09:04	11/23/19 15:11	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	806	83.1	1	11/22/19 09:04	11/23/19 15:11	59-50-7	
4-Chloroaniline	ND	ug/kg	2020	112	1	11/22/19 09:04	11/23/19 15:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	403	94.0	1	11/22/19 09:04	11/23/19 15:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	403	103	1	11/22/19 09:04	11/23/19 15:11	111-44-4	
2-Chloronaphthalene	ND	ug/kg	403	79.4	1	11/22/19 09:04	11/23/19 15:11	91-58-7	
2-Chlorophenol	ND	ug/kg	403	110	1	11/22/19 09:04	11/23/19 15:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	403	83.1	1	11/22/19 09:04	11/23/19 15:11	7005-72-3	
Dibenzofuran	ND	ug/kg	403	66.0	1	11/22/19 09:04	11/23/19 15:11	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	403	107	1	11/22/19 09:04	11/23/19 15:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	403	91.6	1	11/22/19 09:04	11/23/19 15:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	403	114	1	11/22/19 09:04	11/23/19 15:11	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2020	87.9	1	11/22/19 09:04	11/23/19 15:11	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	403	87.9	1	11/22/19 09:04	11/23/19 15:11	120-83-2	
Diethylphthalate	ND	ug/kg	403	62.3	1	11/22/19 09:04	11/23/19 15:11	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	403	159	1	11/22/19 09:04	11/23/19 15:11	105-67-9	
Dimethylphthalate	ND	ug/kg	403	81.8	1	11/22/19 09:04	11/23/19 15:11	131-11-3	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (0.5-1.0) **Lab ID: 92454032011** Collected: 11/14/19 11:10 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	403	66.0	1	11/22/19 09:04	11/23/19 15:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	806	80.6	1	11/22/19 09:04	11/23/19 15:11	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2020	66.0	1	11/22/19 09:04	11/23/19 15:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	403	75.7	1	11/22/19 09:04	11/23/19 15:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	403	84.3	1	11/22/19 09:04	11/23/19 15:11	606-20-2	
Di-n-octylphthalate	ND	ug/kg	403	84.3	1	11/22/19 09:04	11/23/19 15:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	403	110	1	11/22/19 09:04	11/23/19 15:11	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	403	69.6	1	11/22/19 09:04	11/23/19 15:11	87-68-3	
Hexachlorobenzene	ND	ug/kg	403	51.3	1	11/22/19 09:04	11/23/19 15:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	403	74.5	1	11/22/19 09:04	11/23/19 15:11	77-47-4	v3
Hexachloroethane	ND	ug/kg	403	106	1	11/22/19 09:04	11/23/19 15:11	67-72-1	
Isophorone	ND	ug/kg	403	90.4	1	11/22/19 09:04	11/23/19 15:11	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	403	122	1	11/22/19 09:04	11/23/19 15:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	403	159	1	11/22/19 09:04	11/23/19 15:11	15831-10-4	
2-Nitroaniline	ND	ug/kg	2020	125	1	11/22/19 09:04	11/23/19 15:11	88-74-4	
3-Nitroaniline	ND	ug/kg	2020	110	1	11/22/19 09:04	11/23/19 15:11	99-09-2	
4-Nitroaniline	ND	ug/kg	806	114	1	11/22/19 09:04	11/23/19 15:11	100-01-6	
Nitrobenzene	ND	ug/kg	403	110	1	11/22/19 09:04	11/23/19 15:11	98-95-3	
2-Nitrophenol	ND	ug/kg	403	97.7	1	11/22/19 09:04	11/23/19 15:11	88-75-5	
4-Nitrophenol	ND	ug/kg	2020	72.1	1	11/22/19 09:04	11/23/19 15:11	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	403	131	1	11/22/19 09:04	11/23/19 15:11	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	403	76.9	1	11/22/19 09:04	11/23/19 15:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	403	120	1	11/22/19 09:04	11/23/19 15:11	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	403	107	1	11/22/19 09:04	11/23/19 15:11	108-60-1	
Pentachlorophenol	ND	ug/kg	2020	73.3	1	11/22/19 09:04	11/23/19 15:11	87-86-5	
Phenol	ND	ug/kg	403	121	1	11/22/19 09:04	11/23/19 15:11	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	403	78.2	1	11/22/19 09:04	11/23/19 15:11	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	403	125	1	11/22/19 09:04	11/23/19 15:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	403	89.2	1	11/22/19 09:04	11/23/19 15:11	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	23-110		1	11/22/19 09:04	11/23/19 15:11	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-110		1	11/22/19 09:04	11/23/19 15:11	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/22/19 09:04	11/23/19 15:11	1718-51-0	
Phenol-d6 (S)	72	%	22-110		1	11/22/19 09:04	11/23/19 15:11	13127-88-3	
2-Fluorophenol (S)	69	%	13-110		1	11/22/19 09:04	11/23/19 15:11	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110		1	11/22/19 09:04	11/23/19 15:11	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	91.8	9.2	1	11/22/19 11:10	11/22/19 18:41	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 18:41	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 18:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1	11/22/19 11:10	11/22/19 18:41	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1	11/22/19 11:10	11/22/19 18:41	74-83-9	

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9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (0.5-1.0) **Lab ID: 92454032011** Collected: 11/14/19 11:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	91.8	2.7	1	11/22/19 11:10	11/22/19 18:41	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 18:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 18:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1	11/22/19 11:10	11/22/19 18:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1	11/22/19 11:10	11/22/19 18:41	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 18:41	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1	11/22/19 11:10	11/22/19 18:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1	11/22/19 11:10	11/22/19 18:41	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	106-93-4	
Dibromomethane	ND	ug/kg	4.6	2.3	1	11/22/19 11:10	11/22/19 18:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 18:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 18:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 18:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 18:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1	11/22/19 11:10	11/22/19 18:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 18:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 18:41	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 18:41	87-68-3	
2-Hexanone	ND	ug/kg	45.9	3.6	1	11/22/19 11:10	11/22/19 18:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	2.8	1	11/22/19 11:10	11/22/19 18:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.9	3.4	1	11/22/19 11:10	11/22/19 18:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 18:41	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1.1	1	11/22/19 11:10	11/22/19 18:41	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	103-65-1	
Styrene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 18:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 18:41	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (0.5-1.0) **Lab ID: 92454032011** Collected: 11/14/19 11:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 18:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 18:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 18:41	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 18:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 18:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 18:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 18:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	108-67-8	
Vinyl acetate	ND	ug/kg	45.9	8.1	1	11/22/19 11:10	11/22/19 18:41	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1.7	1	11/22/19 11:10	11/22/19 18:41	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 18:41	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 18:41	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 18:41	95-47-6	
Surrogates									
Toluene-d8 (S)	113	%	70-130		1	11/22/19 11:10	11/22/19 18:41	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1	11/22/19 11:10	11/22/19 18:41	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1	11/22/19 11:10	11/22/19 18:41	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/18/19 14:35		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (5.5-6.0) **Lab ID: 92454032012** Collected: 11/14/19 11:15 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**9.9J**	ug/kg	12.3	0.61	1	11/22/19 10:24	11/22/19 21:06	83-32-9	
Acenaphthylene	**25.3**	ug/kg	12.3	0.56	1	11/22/19 10:24	11/22/19 21:06	208-96-8	
Anthracene	**85.9**	ug/kg	12.3	0.50	1	11/22/19 10:24	11/22/19 21:06	120-12-7	
Benzo(a)anthracene	**136**	ug/kg	12.3	0.90	1	11/22/19 10:24	11/22/19 21:06	56-55-3	
Benzo(a)pyrene	**130**	ug/kg	12.3	0.61	1	11/22/19 10:24	11/22/19 21:06	50-32-8	
Benzo(b)fluoranthene	**184**	ug/kg	12.3	0.88	1	11/22/19 10:24	11/22/19 21:06	205-99-2	
Benzo(g,h,i)perylene	**125**	ug/kg	12.3	1.3	1	11/22/19 10:24	11/22/19 21:06	191-24-2	
Benzo(k)fluoranthene	**58.3**	ug/kg	12.3	0.49	1	11/22/19 10:24	11/22/19 21:06	207-08-9	
Chrysene	**146**	ug/kg	12.3	0.60	1	11/22/19 10:24	11/22/19 21:06	218-01-9	
Dibenz(a,h)anthracene	**31.1**	ug/kg	12.3	1.4	1	11/22/19 10:24	11/22/19 21:06	53-70-3	
Fluoranthene	**243**	ug/kg	12.3	1.6	1	11/22/19 10:24	11/22/19 21:06	206-44-0	
Fluorene	**20.5**	ug/kg	12.3	0.52	1	11/22/19 10:24	11/22/19 21:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**97.3**	ug/kg	12.3	1.1	1	11/22/19 10:24	11/22/19 21:06	193-39-5	
1-Methylnaphthalene	**58.9**	ug/kg	12.3	0.75	1	11/22/19 10:24	11/22/19 21:06	90-12-0	
2-Methylnaphthalene	**87.4**	ug/kg	12.3	0.75	1	11/22/19 10:24	11/22/19 21:06	91-57-6	
Naphthalene	**101**	ug/kg	12.3	0.78	1	11/22/19 10:24	11/22/19 21:06	91-20-3	
Phenanthrene	**261**	ug/kg	12.3	1.4	1	11/22/19 10:24	11/22/19 21:06	85-01-8	
Pyrene	**221**	ug/kg	12.3	1.3	1	11/22/19 10:24	11/22/19 21:06	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	10-128		1	11/22/19 10:24	11/22/19 21:06	4165-60-0	
2-Fluorobiphenyl (S)	64	%	10-110		1	11/22/19 10:24	11/22/19 21:06	321-60-8	
Terphenyl-d14 (S)	64	%	39-119		1	11/22/19 10:24	11/22/19 21:06	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	399	108	1	11/22/19 09:04	11/23/19 15:39	62-53-3	
Benzoic Acid	ND	ug/kg	1990	72.5	1	11/22/19 09:04	11/23/19 15:39	65-85-0	
Benzyl alcohol	ND	ug/kg	797	79.7	1	11/22/19 09:04	11/23/19 15:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	399	72.5	1	11/22/19 09:04	11/23/19 15:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	399	84.6	1	11/22/19 09:04	11/23/19 15:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	797	82.2	1	11/22/19 09:04	11/23/19 15:39	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/19 09:04	11/23/19 15:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	399	93.0	1	11/22/19 09:04	11/23/19 15:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	399	101	1	11/22/19 09:04	11/23/19 15:39	111-44-4	
2-Chloronaphthalene	ND	ug/kg	399	78.5	1	11/22/19 09:04	11/23/19 15:39	91-58-7	
2-Chlorophenol	ND	ug/kg	399	109	1	11/22/19 09:04	11/23/19 15:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	399	82.2	1	11/22/19 09:04	11/23/19 15:39	7005-72-3	
Dibenzofuran	**72.0J**	ug/kg	399	65.2	1	11/22/19 09:04	11/23/19 15:39	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	399	106	1	11/22/19 09:04	11/23/19 15:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	399	90.6	1	11/22/19 09:04	11/23/19 15:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	399	112	1	11/22/19 09:04	11/23/19 15:39	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	87.0	1	11/22/19 09:04	11/23/19 15:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	399	87.0	1	11/22/19 09:04	11/23/19 15:39	120-83-2	
Diethylphthalate	ND	ug/kg	399	61.6	1	11/22/19 09:04	11/23/19 15:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	399	157	1	11/22/19 09:04	11/23/19 15:39	105-67-9	
Dimethylphthalate	ND	ug/kg	399	80.9	1	11/22/19 09:04	11/23/19 15:39	131-11-3	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (5.5-6.0) **Lab ID: 92454032012** Collected: 11/14/19 11:15 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	399	65.2	1	11/22/19 09:04	11/23/19 15:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	797	79.7	1	11/22/19 09:04	11/23/19 15:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.2	1	11/22/19 09:04	11/23/19 15:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	399	74.9	1	11/22/19 09:04	11/23/19 15:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	399	83.4	1	11/22/19 09:04	11/23/19 15:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	399	83.4	1	11/22/19 09:04	11/23/19 15:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	399	109	1	11/22/19 09:04	11/23/19 15:39	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	399	68.9	1	11/22/19 09:04	11/23/19 15:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	399	50.7	1	11/22/19 09:04	11/23/19 15:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	399	73.7	1	11/22/19 09:04	11/23/19 15:39	77-47-4	v3
Hexachloroethane	ND	ug/kg	399	105	1	11/22/19 09:04	11/23/19 15:39	67-72-1	
Isophorone	ND	ug/kg	399	89.4	1	11/22/19 09:04	11/23/19 15:39	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	399	121	1	11/22/19 09:04	11/23/19 15:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	399	157	1	11/22/19 09:04	11/23/19 15:39	15831-10-4	
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/19 09:04	11/23/19 15:39	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	109	1	11/22/19 09:04	11/23/19 15:39	99-09-2	
4-Nitroaniline	ND	ug/kg	797	112	1	11/22/19 09:04	11/23/19 15:39	100-01-6	
Nitrobenzene	ND	ug/kg	399	109	1	11/22/19 09:04	11/23/19 15:39	98-95-3	
2-Nitrophenol	ND	ug/kg	399	96.6	1	11/22/19 09:04	11/23/19 15:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.3	1	11/22/19 09:04	11/23/19 15:39	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	399	129	1	11/22/19 09:04	11/23/19 15:39	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	399	76.1	1	11/22/19 09:04	11/23/19 15:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	399	118	1	11/22/19 09:04	11/23/19 15:39	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	399	106	1	11/22/19 09:04	11/23/19 15:39	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.5	1	11/22/19 09:04	11/23/19 15:39	87-86-5	
Phenol	ND	ug/kg	399	120	1	11/22/19 09:04	11/23/19 15:39	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	399	77.3	1	11/22/19 09:04	11/23/19 15:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	399	123	1	11/22/19 09:04	11/23/19 15:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	399	88.2	1	11/22/19 09:04	11/23/19 15:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	23-110		1	11/22/19 09:04	11/23/19 15:39	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-110		1	11/22/19 09:04	11/23/19 15:39	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/22/19 09:04	11/23/19 15:39	1718-51-0	
Phenol-d6 (S)	71	%	22-110		1	11/22/19 09:04	11/23/19 15:39	13127-88-3	
2-Fluorophenol (S)	68	%	13-110		1	11/22/19 09:04	11/23/19 15:39	367-12-4	
2,4,6-Tribromophenol (S)	73	%	27-110		1	11/22/19 09:04	11/23/19 15:39	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	95.6	9.6	1	11/22/19 11:10	11/22/19 19:06	67-64-1	
Benzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 19:06	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 19:06	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	75-27-4	
Bromoform	ND	ug/kg	4.8	2.2	1	11/22/19 11:10	11/22/19 19:06	75-25-2	
Bromomethane	ND	ug/kg	9.6	2.4	1	11/22/19 11:10	11/22/19 19:06	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (5.5-6.0) **Lab ID: 92454032012** Collected: 11/14/19 11:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	95.6	2.8	1	11/22/19 11:10	11/22/19 19:06	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 19:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 19:06	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	2.5	1	11/22/19 11:10	11/22/19 19:06	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	108-90-7	
Chloroethane	ND	ug/kg	9.6	2.3	1	11/22/19 11:10	11/22/19 19:06	75-00-3	
Chloroform	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 19:06	67-66-3	
Chloromethane	ND	ug/kg	9.6	2.3	1	11/22/19 11:10	11/22/19 19:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	3.4	1	11/22/19 11:10	11/22/19 19:06	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	106-93-4	
Dibromomethane	ND	ug/kg	4.8	2.4	1	11/22/19 11:10	11/22/19 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 19:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.6	3.4	1	11/22/19 11:10	11/22/19 19:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.3	1	11/22/19 11:10	11/22/19 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 19:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 19:06	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 19:06	87-68-3	
2-Hexanone	ND	ug/kg	47.8	3.7	1	11/22/19 11:10	11/22/19 19:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	99-87-6	
Methylene Chloride	ND	ug/kg	19.1	2.9	1	11/22/19 11:10	11/22/19 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.8	3.5	1	11/22/19 11:10	11/22/19 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 19:06	1634-04-4	
Naphthalene	**2.3J**	ug/kg	4.8	1.1	1	11/22/19 11:10	11/22/19 19:06	91-20-3	B
n-Propylbenzene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	103-65-1	
Styrene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 19:06	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-25 (5.5-6.0) **Lab ID: 92454032012** Collected: 11/14/19 11:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 19:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 19:06	79-00-5	
Trichloroethene	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 19:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 19:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 19:06	108-67-8	
Vinyl acetate	ND	ug/kg	47.8	8.4	1	11/22/19 11:10	11/22/19 19:06	108-05-4	
Vinyl chloride	ND	ug/kg	9.6	1.7	1	11/22/19 11:10	11/22/19 19:06	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	3.4	1	11/22/19 11:10	11/22/19 19:06	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	3.4	1	11/22/19 11:10	11/22/19 19:06	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 19:06	95-47-6	
Surrogates									
Toluene-d8 (S)	109	%	70-130		1	11/22/19 11:10	11/22/19 19:06	2037-26-5	
4-Bromofluorobenzene (S)	73	%	70-130		1	11/22/19 11:10	11/22/19 19:06	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1	11/22/19 11:10	11/22/19 19:06	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.5**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (0.5-1.0) **Lab ID: 92454032013** Collected: 11/14/19 09:25 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.66J**	ug/kg	12.9	0.64	1	11/22/19 10:24	11/22/19 21:27	83-32-9	
Acenaphthylene	**1.9J**	ug/kg	12.9	0.58	1	11/22/19 10:24	11/22/19 21:27	208-96-8	
Anthracene	**4.1J**	ug/kg	12.9	0.52	1	11/22/19 10:24	11/22/19 21:27	120-12-7	
Benzo(a)anthracene	**15.5**	ug/kg	12.9	0.94	1	11/22/19 10:24	11/22/19 21:27	56-55-3	
Benzo(a)pyrene	**32.0**	ug/kg	12.9	0.64	1	11/22/19 10:24	11/22/19 21:27	50-32-8	
Benzo(b)fluoranthene	**39.3**	ug/kg	12.9	0.92	1	11/22/19 10:24	11/22/19 21:27	205-99-2	
Benzo(g,h,i)perylene	**26.1**	ug/kg	12.9	1.4	1	11/22/19 10:24	11/22/19 21:27	191-24-2	
Benzo(k)fluoranthene	**13.5**	ug/kg	12.9	0.51	1	11/22/19 10:24	11/22/19 21:27	207-08-9	
Chrysene	**17.2**	ug/kg	12.9	0.62	1	11/22/19 10:24	11/22/19 21:27	218-01-9	
Dibenz(a,h)anthracene	**8.2J**	ug/kg	12.9	1.4	1	11/22/19 10:24	11/22/19 21:27	53-70-3	
Fluoranthene	**14.1**	ug/kg	12.9	1.6	1	11/22/19 10:24	11/22/19 21:27	206-44-0	
Fluorene	**1.5J**	ug/kg	12.9	0.54	1	11/22/19 10:24	11/22/19 21:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**23.6**	ug/kg	12.9	1.1	1	11/22/19 10:24	11/22/19 21:27	193-39-5	
1-Methylnaphthalene	**5.9J**	ug/kg	12.9	0.78	1	11/22/19 10:24	11/22/19 21:27	90-12-0	
2-Methylnaphthalene	**7.6J**	ug/kg	12.9	0.78	1	11/22/19 10:24	11/22/19 21:27	91-57-6	
Naphthalene	**9.6J**	ug/kg	12.9	0.82	1	11/22/19 10:24	11/22/19 21:27	91-20-3	
Phenanthrene	**21.1**	ug/kg	12.9	1.4	1	11/22/19 10:24	11/22/19 21:27	85-01-8	
Pyrene	**16.5**	ug/kg	12.9	1.3	1	11/22/19 10:24	11/22/19 21:27	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	65	%	10-128		1	11/22/19 10:24	11/22/19 21:27	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	11/22/19 10:24	11/22/19 21:27	321-60-8	
Terphenyl-d14 (S)	61	%	39-119		1	11/22/19 10:24	11/22/19 21:27	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	420	113	1	11/22/19 09:04	11/23/19 16:07	62-53-3	
Benzoic Acid	ND	ug/kg	2100	76.3	1	11/22/19 09:04	11/23/19 16:07	65-85-0	
Benzyl alcohol	ND	ug/kg	839	83.9	1	11/22/19 09:04	11/23/19 16:07	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	420	76.3	1	11/22/19 09:04	11/23/19 16:07	101-55-3	
Butylbenzylphthalate	ND	ug/kg	420	89.0	1	11/22/19 09:04	11/23/19 16:07	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	839	86.5	1	11/22/19 09:04	11/23/19 16:07	59-50-7	
4-Chloroaniline	ND	ug/kg	2100	117	1	11/22/19 09:04	11/23/19 16:07	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	420	97.9	1	11/22/19 09:04	11/23/19 16:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	420	107	1	11/22/19 09:04	11/23/19 16:07	111-44-4	
2-Chloronaphthalene	ND	ug/kg	420	82.6	1	11/22/19 09:04	11/23/19 16:07	91-58-7	
2-Chlorophenol	ND	ug/kg	420	114	1	11/22/19 09:04	11/23/19 16:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	420	86.5	1	11/22/19 09:04	11/23/19 16:07	7005-72-3	
Dibenzofuran	ND	ug/kg	420	68.7	1	11/22/19 09:04	11/23/19 16:07	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	420	112	1	11/22/19 09:04	11/23/19 16:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	420	95.4	1	11/22/19 09:04	11/23/19 16:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	420	118	1	11/22/19 09:04	11/23/19 16:07	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2100	91.5	1	11/22/19 09:04	11/23/19 16:07	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	420	91.5	1	11/22/19 09:04	11/23/19 16:07	120-83-2	
Diethylphthalate	ND	ug/kg	420	64.8	1	11/22/19 09:04	11/23/19 16:07	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	420	165	1	11/22/19 09:04	11/23/19 16:07	105-67-9	
Dimethylphthalate	ND	ug/kg	420	85.2	1	11/22/19 09:04	11/23/19 16:07	131-11-3	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (0.5-1.0) **Lab ID: 92454032013** Collected: 11/14/19 09:25 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	420	68.7	1	11/22/19 09:04	11/23/19 16:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	839	83.9	1	11/22/19 09:04	11/23/19 16:07	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2100	68.7	1	11/22/19 09:04	11/23/19 16:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	420	78.8	1	11/22/19 09:04	11/23/19 16:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	420	87.7	1	11/22/19 09:04	11/23/19 16:07	606-20-2	
Di-n-octylphthalate	ND	ug/kg	420	87.7	1	11/22/19 09:04	11/23/19 16:07	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	114	1	11/22/19 09:04	11/23/19 16:07	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	420	72.5	1	11/22/19 09:04	11/23/19 16:07	87-68-3	
Hexachlorobenzene	ND	ug/kg	420	53.4	1	11/22/19 09:04	11/23/19 16:07	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	420	77.6	1	11/22/19 09:04	11/23/19 16:07	77-47-4	v3
Hexachloroethane	ND	ug/kg	420	111	1	11/22/19 09:04	11/23/19 16:07	67-72-1	
Isophorone	ND	ug/kg	420	94.1	1	11/22/19 09:04	11/23/19 16:07	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	420	127	1	11/22/19 09:04	11/23/19 16:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	420	165	1	11/22/19 09:04	11/23/19 16:07	15831-10-4	
2-Nitroaniline	ND	ug/kg	2100	130	1	11/22/19 09:04	11/23/19 16:07	88-74-4	
3-Nitroaniline	ND	ug/kg	2100	114	1	11/22/19 09:04	11/23/19 16:07	99-09-2	
4-Nitroaniline	ND	ug/kg	839	118	1	11/22/19 09:04	11/23/19 16:07	100-01-6	
Nitrobenzene	ND	ug/kg	420	114	1	11/22/19 09:04	11/23/19 16:07	98-95-3	
2-Nitrophenol	ND	ug/kg	420	102	1	11/22/19 09:04	11/23/19 16:07	88-75-5	
4-Nitrophenol	ND	ug/kg	2100	75.0	1	11/22/19 09:04	11/23/19 16:07	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	420	136	1	11/22/19 09:04	11/23/19 16:07	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	420	80.1	1	11/22/19 09:04	11/23/19 16:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	420	125	1	11/22/19 09:04	11/23/19 16:07	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	420	112	1	11/22/19 09:04	11/23/19 16:07	108-60-1	
Pentachlorophenol	ND	ug/kg	2100	76.3	1	11/22/19 09:04	11/23/19 16:07	87-86-5	
Phenol	ND	ug/kg	420	126	1	11/22/19 09:04	11/23/19 16:07	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	420	81.4	1	11/22/19 09:04	11/23/19 16:07	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	420	130	1	11/22/19 09:04	11/23/19 16:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	420	92.8	1	11/22/19 09:04	11/23/19 16:07	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	23-110		1	11/22/19 09:04	11/23/19 16:07	4165-60-0	
2-Fluorobiphenyl (S)	52	%	30-110		1	11/22/19 09:04	11/23/19 16:07	321-60-8	
Terphenyl-d14 (S)	57	%	28-110		1	11/22/19 09:04	11/23/19 16:07	1718-51-0	
Phenol-d6 (S)	74	%	22-110		1	11/22/19 09:04	11/23/19 16:07	13127-88-3	
2-Fluorophenol (S)	73	%	13-110		1	11/22/19 09:04	11/23/19 16:07	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110		1	11/22/19 09:04	11/23/19 16:07	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	3070	307	25	11/22/19 11:10	11/23/19 11:22	67-64-1	
Benzene	ND	ug/kg	153	49.1	25	11/22/19 11:10	11/23/19 11:22	71-43-2	
Bromobenzene	ND	ug/kg	153	61.3	25	11/22/19 11:10	11/23/19 11:22	108-86-1	
Bromochloromethane	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	74-97-5	
Bromodichloromethane	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	75-27-4	
Bromoform	ND	ug/kg	153	70.5	25	11/22/19 11:10	11/23/19 11:22	75-25-2	
Bromomethane	ND	ug/kg	307	76.6	25	11/22/19 11:10	11/23/19 11:22	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (0.5-1.0) **Lab ID: 92454032013** Collected: 11/14/19 09:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	3070	88.9	25	11/22/19 11:10	11/23/19 11:22	78-93-3	
n-Butylbenzene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	153	49.1	25	11/22/19 11:10	11/23/19 11:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	153	61.3	25	11/22/19 11:10	11/23/19 11:22	98-06-6	
Carbon tetrachloride	ND	ug/kg	153	79.7	25	11/22/19 11:10	11/23/19 11:22	56-23-5	
Chlorobenzene	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	108-90-7	
Chloroethane	ND	ug/kg	307	73.6	25	11/22/19 11:10	11/23/19 11:22	75-00-3	
Chloroform	ND	ug/kg	153	49.1	25	11/22/19 11:10	11/23/19 11:22	67-66-3	
Chloromethane	ND	ug/kg	307	73.6	25	11/22/19 11:10	11/23/19 11:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	153	110	25	11/22/19 11:10	11/23/19 11:22	96-12-8	
Dibromochloromethane	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	106-93-4	
Dibromomethane	ND	ug/kg	153	76.6	25	11/22/19 11:10	11/23/19 11:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	153	61.3	25	11/22/19 11:10	11/23/19 11:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	307	110	25	11/22/19 11:10	11/23/19 11:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	153	46.0	25	11/22/19 11:10	11/23/19 11:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	153	67.4	25	11/22/19 11:10	11/23/19 11:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	153	42.9	25	11/22/19 11:10	11/23/19 11:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	153	46.0	25	11/22/19 11:10	11/23/19 11:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	153	46.0	25	11/22/19 11:10	11/23/19 11:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	108-20-3	
Ethylbenzene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	153	61.3	25	11/22/19 11:10	11/23/19 11:22	87-68-3	
2-Hexanone	ND	ug/kg	1530	120	25	11/22/19 11:10	11/23/19 11:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	99-87-6	
Methylene Chloride	ND	ug/kg	613	92.0	25	11/22/19 11:10	11/23/19 11:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1530	113	25	11/22/19 11:10	11/23/19 11:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	153	46.0	25	11/22/19 11:10	11/23/19 11:22	1634-04-4	
Naphthalene	ND	ug/kg	153	36.8	25	11/22/19 11:10	11/23/19 11:22	91-20-3	
n-Propylbenzene	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	103-65-1	
Styrene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	153	64.4	25	11/22/19 11:10	11/23/19 11:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	79-34-5	
Tetrachloroethene	ND	ug/kg	153	52.1	25	11/22/19 11:10	11/23/19 11:22	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (0.5-1.0) **Lab ID: 92454032013** Collected: 11/14/19 09:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	153	67.4	25	11/22/19 11:10	11/23/19 11:22	87-61-6	
1,2,4-Trichlorobenzene	**55.5J**	ug/kg	153	49.1	25	11/22/19 11:10	11/23/19 11:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	153	64.4	25	11/22/19 11:10	11/23/19 11:22	79-00-5	
Trichloroethene	ND	ug/kg	153	64.4	25	11/22/19 11:10	11/23/19 11:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	153	67.4	25	11/22/19 11:10	11/23/19 11:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	153	49.1	25	11/22/19 11:10	11/23/19 11:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	153	61.3	25	11/22/19 11:10	11/23/19 11:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	153	55.2	25	11/22/19 11:10	11/23/19 11:22	108-67-8	
Vinyl acetate	ND	ug/kg	1530	270	25	11/22/19 11:10	11/23/19 11:22	108-05-4	
Vinyl chloride	ND	ug/kg	307	55.2	25	11/22/19 11:10	11/23/19 11:22	75-01-4	
Xylene (Total)	ND	ug/kg	307	110	25	11/22/19 11:10	11/23/19 11:22	1330-20-7	
m&p-Xylene	ND	ug/kg	307	110	25	11/22/19 11:10	11/23/19 11:22	179601-23-1	
o-Xylene	ND	ug/kg	153	58.2	25	11/22/19 11:10	11/23/19 11:22	95-47-6	
Surrogates									
Toluene-d8 (S)	109	%	70-130		25	11/22/19 11:10	11/23/19 11:22	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		25	11/22/19 11:10	11/23/19 11:22	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		25	11/22/19 11:10	11/23/19 11:22	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.6**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (5.5-6.0) **Lab ID: 92454032014** Collected: 11/14/19 09:30 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**14.5**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 21:48	83-32-9	
Acenaphthylene	**33.7**	ug/kg	11.7	0.53	1	11/22/19 10:24	11/22/19 21:48	208-96-8	
Anthracene	**85.5**	ug/kg	11.7	0.48	1	11/22/19 10:24	11/22/19 21:48	120-12-7	
Benzo(a)anthracene	**153**	ug/kg	11.7	0.85	1	11/22/19 10:24	11/22/19 21:48	56-55-3	
Benzo(a)pyrene	**118**	ug/kg	11.7	0.58	1	11/22/19 10:24	11/22/19 21:48	50-32-8	
Benzo(b)fluoranthene	**199**	ug/kg	11.7	0.83	1	11/22/19 10:24	11/22/19 21:48	205-99-2	
Benzo(g,h,i)perylene	**98.0**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 21:48	191-24-2	
Benzo(k)fluoranthene	**69.4**	ug/kg	11.7	0.47	1	11/22/19 10:24	11/22/19 21:48	207-08-9	
Chrysene	**179**	ug/kg	11.7	0.57	1	11/22/19 10:24	11/22/19 21:48	218-01-9	
Dibenz(a,h)anthracene	**26.3**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 21:48	53-70-3	
Fluoranthene	**371**	ug/kg	11.7	1.5	1	11/22/19 10:24	11/22/19 21:48	206-44-0	
Fluorene	**36.9**	ug/kg	11.7	0.49	1	11/22/19 10:24	11/22/19 21:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**79.1**	ug/kg	11.7	1.0	1	11/22/19 10:24	11/22/19 21:48	193-39-5	
1-Methylnaphthalene	**79.9**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 21:48	90-12-0	
2-Methylnaphthalene	**114**	ug/kg	11.7	0.71	1	11/22/19 10:24	11/22/19 21:48	91-57-6	
Naphthalene	**152**	ug/kg	11.7	0.74	1	11/22/19 10:24	11/22/19 21:48	91-20-3	
Phenanthrene	**483**	ug/kg	11.7	1.3	1	11/22/19 10:24	11/22/19 21:48	85-01-8	
Pyrene	**326**	ug/kg	11.7	1.2	1	11/22/19 10:24	11/22/19 21:48	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/19 10:24	11/22/19 21:48	4165-60-0	
2-Fluorobiphenyl (S)	75	%	10-110		1	11/22/19 10:24	11/22/19 21:48	321-60-8	
Terphenyl-d14 (S)	74	%	39-119		1	11/22/19 10:24	11/22/19 21:48	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	388	105	1	11/22/19 09:04	11/23/19 16:35	62-53-3	
Benzoic Acid	ND	ug/kg	1940	70.6	1	11/22/19 09:04	11/23/19 16:35	65-85-0	
Benzyl alcohol	ND	ug/kg	777	77.7	1	11/22/19 09:04	11/23/19 16:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	388	70.6	1	11/22/19 09:04	11/23/19 16:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	388	82.4	1	11/22/19 09:04	11/23/19 16:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	777	80.0	1	11/22/19 09:04	11/23/19 16:35	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	108	1	11/22/19 09:04	11/23/19 16:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	388	90.6	1	11/22/19 09:04	11/23/19 16:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	388	98.8	1	11/22/19 09:04	11/23/19 16:35	111-44-4	
2-Chloronaphthalene	ND	ug/kg	388	76.5	1	11/22/19 09:04	11/23/19 16:35	91-58-7	
2-Chlorophenol	ND	ug/kg	388	106	1	11/22/19 09:04	11/23/19 16:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	388	80.0	1	11/22/19 09:04	11/23/19 16:35	7005-72-3	
Dibenzofuran	**80.2J**	ug/kg	388	63.5	1	11/22/19 09:04	11/23/19 16:35	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	388	104	1	11/22/19 09:04	11/23/19 16:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	388	88.3	1	11/22/19 09:04	11/23/19 16:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	388	109	1	11/22/19 09:04	11/23/19 16:35	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	84.7	1	11/22/19 09:04	11/23/19 16:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	388	84.7	1	11/22/19 09:04	11/23/19 16:35	120-83-2	
Diethylphthalate	ND	ug/kg	388	60.0	1	11/22/19 09:04	11/23/19 16:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	388	153	1	11/22/19 09:04	11/23/19 16:35	105-67-9	
Dimethylphthalate	ND	ug/kg	388	78.8	1	11/22/19 09:04	11/23/19 16:35	131-11-3	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (5.5-6.0) **Lab ID: 92454032014** Collected: 11/14/19 09:30 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	388	63.5	1	11/22/19 09:04	11/23/19 16:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	777	77.7	1	11/22/19 09:04	11/23/19 16:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	63.5	1	11/22/19 09:04	11/23/19 16:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	388	73.0	1	11/22/19 09:04	11/23/19 16:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	388	81.2	1	11/22/19 09:04	11/23/19 16:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	388	81.2	1	11/22/19 09:04	11/23/19 16:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	388	106	1	11/22/19 09:04	11/23/19 16:35	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	388	67.1	1	11/22/19 09:04	11/23/19 16:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	388	49.4	1	11/22/19 09:04	11/23/19 16:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	388	71.8	1	11/22/19 09:04	11/23/19 16:35	77-47-4	v3
Hexachloroethane	ND	ug/kg	388	102	1	11/22/19 09:04	11/23/19 16:35	67-72-1	
Isophorone	ND	ug/kg	388	87.1	1	11/22/19 09:04	11/23/19 16:35	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	388	118	1	11/22/19 09:04	11/23/19 16:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	388	153	1	11/22/19 09:04	11/23/19 16:35	15831-10-4	
2-Nitroaniline	ND	ug/kg	1940	120	1	11/22/19 09:04	11/23/19 16:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	106	1	11/22/19 09:04	11/23/19 16:35	99-09-2	
4-Nitroaniline	ND	ug/kg	777	109	1	11/22/19 09:04	11/23/19 16:35	100-01-6	
Nitrobenzene	ND	ug/kg	388	106	1	11/22/19 09:04	11/23/19 16:35	98-95-3	
2-Nitrophenol	ND	ug/kg	388	94.1	1	11/22/19 09:04	11/23/19 16:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	69.4	1	11/22/19 09:04	11/23/19 16:35	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	388	126	1	11/22/19 09:04	11/23/19 16:35	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	388	74.1	1	11/22/19 09:04	11/23/19 16:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	388	115	1	11/22/19 09:04	11/23/19 16:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	388	104	1	11/22/19 09:04	11/23/19 16:35	108-60-1	
Pentachlorophenol	ND	ug/kg	1940	70.6	1	11/22/19 09:04	11/23/19 16:35	87-86-5	
Phenol	ND	ug/kg	388	116	1	11/22/19 09:04	11/23/19 16:35	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	388	75.3	1	11/22/19 09:04	11/23/19 16:35	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	388	120	1	11/22/19 09:04	11/23/19 16:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	388	85.9	1	11/22/19 09:04	11/23/19 16:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	79	%	23-110		1	11/22/19 09:04	11/23/19 16:35	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-110		1	11/22/19 09:04	11/23/19 16:35	321-60-8	
Terphenyl-d14 (S)	60	%	28-110		1	11/22/19 09:04	11/23/19 16:35	1718-51-0	
Phenol-d6 (S)	72	%	22-110		1	11/22/19 09:04	11/23/19 16:35	13127-88-3	
2-Fluorophenol (S)	71	%	13-110		1	11/22/19 09:04	11/23/19 16:35	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110		1	11/22/19 09:04	11/23/19 16:35	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	86.4	8.6	1	11/22/19 11:10	11/22/19 19:58	67-64-1	
Benzene	ND	ug/kg	4.3	1.4	1	11/22/19 11:10	11/22/19 19:58	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1.7	1	11/22/19 11:10	11/22/19 19:58	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	75-27-4	
Bromoform	ND	ug/kg	4.3	2.0	1	11/22/19 11:10	11/22/19 19:58	75-25-2	
Bromomethane	ND	ug/kg	8.6	2.2	1	11/22/19 11:10	11/22/19 19:58	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (5.5-6.0) **Lab ID: 92454032014** Collected: 11/14/19 09:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	86.4	2.5	1	11/22/19 11:10	11/22/19 19:58	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1.4	1	11/22/19 11:10	11/22/19 19:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1.7	1	11/22/19 11:10	11/22/19 19:58	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	2.2	1	11/22/19 11:10	11/22/19 19:58	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	108-90-7	
Chloroethane	ND	ug/kg	8.6	2.1	1	11/22/19 11:10	11/22/19 19:58	75-00-3	
Chloroform	ND	ug/kg	4.3	1.4	1	11/22/19 11:10	11/22/19 19:58	67-66-3	
Chloromethane	ND	ug/kg	8.6	2.1	1	11/22/19 11:10	11/22/19 19:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	3.1	1	11/22/19 11:10	11/22/19 19:58	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	106-93-4	
Dibromomethane	ND	ug/kg	4.3	2.2	1	11/22/19 11:10	11/22/19 19:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1.7	1	11/22/19 11:10	11/22/19 19:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.6	3.1	1	11/22/19 11:10	11/22/19 19:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1.3	1	11/22/19 11:10	11/22/19 19:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1.9	1	11/22/19 11:10	11/22/19 19:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1.2	1	11/22/19 11:10	11/22/19 19:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1.3	1	11/22/19 11:10	11/22/19 19:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1.3	1	11/22/19 11:10	11/22/19 19:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1.7	1	11/22/19 11:10	11/22/19 19:58	87-68-3	
2-Hexanone	ND	ug/kg	43.2	3.4	1	11/22/19 11:10	11/22/19 19:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	99-87-6	
Methylene Chloride	ND	ug/kg	17.3	2.6	1	11/22/19 11:10	11/22/19 19:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.2	3.2	1	11/22/19 11:10	11/22/19 19:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1.3	1	11/22/19 11:10	11/22/19 19:58	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1.0	1	11/22/19 11:10	11/22/19 19:58	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	103-65-1	
Styrene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1.8	1	11/22/19 11:10	11/22/19 19:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1.5	1	11/22/19 11:10	11/22/19 19:58	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-26 (5.5-6.0) **Lab ID: 92454032014** Collected: 11/14/19 09:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1.9	1	11/22/19 11:10	11/22/19 19:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1.4	1	11/22/19 11:10	11/22/19 19:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1.8	1	11/22/19 11:10	11/22/19 19:58	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1.8	1	11/22/19 11:10	11/22/19 19:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1.9	1	11/22/19 11:10	11/22/19 19:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1.4	1	11/22/19 11:10	11/22/19 19:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1.7	1	11/22/19 11:10	11/22/19 19:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	108-67-8	
Vinyl acetate	ND	ug/kg	43.2	7.6	1	11/22/19 11:10	11/22/19 19:58	108-05-4	
Vinyl chloride	ND	ug/kg	8.6	1.6	1	11/22/19 11:10	11/22/19 19:58	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	3.1	1	11/22/19 11:10	11/22/19 19:58	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	3.1	1	11/22/19 11:10	11/22/19 19:58	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1.6	1	11/22/19 11:10	11/22/19 19:58	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1	11/22/19 11:10	11/22/19 19:58	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1	11/22/19 11:10	11/22/19 19:58	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		1	11/22/19 11:10	11/22/19 19:58	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.0**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (0.5-1.0) **Lab ID: 92454032015** Collected: 11/14/19 11:25 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.3	0.56	1	11/22/19 10:24	11/22/19 22:09	83-32-9	
Acenaphthylene	**0.54J**	ug/kg	11.3	0.51	1	11/22/19 10:24	11/22/19 22:09	208-96-8	
Anthracene	ND	ug/kg	11.3	0.46	1	11/22/19 10:24	11/22/19 22:09	120-12-7	
Benzo(a)anthracene	**0.83J**	ug/kg	11.3	0.82	1	11/22/19 10:24	11/22/19 22:09	56-55-3	
Benzo(a)pyrene	**0.72J**	ug/kg	11.3	0.56	1	11/22/19 10:24	11/22/19 22:09	50-32-8	
Benzo(b)fluoranthene	**1.1J**	ug/kg	11.3	0.80	1	11/22/19 10:24	11/22/19 22:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.3	1.2	1	11/22/19 10:24	11/22/19 22:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.3	0.45	1	11/22/19 10:24	11/22/19 22:09	207-08-9	
Chrysene	**0.65J**	ug/kg	11.3	0.55	1	11/22/19 10:24	11/22/19 22:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	1.3	1	11/22/19 10:24	11/22/19 22:09	53-70-3	
Fluoranthene	ND	ug/kg	11.3	1.4	1	11/22/19 10:24	11/22/19 22:09	206-44-0	
Fluorene	ND	ug/kg	11.3	0.48	1	11/22/19 10:24	11/22/19 22:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.3	1.0	1	11/22/19 10:24	11/22/19 22:09	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.3	0.68	1	11/22/19 10:24	11/22/19 22:09	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.3	0.68	1	11/22/19 10:24	11/22/19 22:09	91-57-6	
Naphthalene	ND	ug/kg	11.3	0.71	1	11/22/19 10:24	11/22/19 22:09	91-20-3	
Phenanthrene	ND	ug/kg	11.3	1.2	1	11/22/19 10:24	11/22/19 22:09	85-01-8	
Pyrene	ND	ug/kg	11.3	1.2	1	11/22/19 10:24	11/22/19 22:09	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	10-128		1	11/22/19 10:24	11/22/19 22:09	4165-60-0	
2-Fluorobiphenyl (S)	59	%	10-110		1	11/22/19 10:24	11/22/19 22:09	321-60-8	
Terphenyl-d14 (S)	58	%	39-119		1	11/22/19 10:24	11/22/19 22:09	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	376	101	1	11/22/19 09:04	11/23/19 17:03	62-53-3	
Benzoic Acid	ND	ug/kg	1880	68.4	1	11/22/19 09:04	11/23/19 17:03	65-85-0	
Benzyl alcohol	ND	ug/kg	752	75.2	1	11/22/19 09:04	11/23/19 17:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	376	68.4	1	11/22/19 09:04	11/23/19 17:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	376	79.8	1	11/22/19 09:04	11/23/19 17:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	752	77.5	1	11/22/19 09:04	11/23/19 17:03	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/22/19 09:04	11/23/19 17:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	376	87.8	1	11/22/19 09:04	11/23/19 17:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	376	95.8	1	11/22/19 09:04	11/23/19 17:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	376	74.1	1	11/22/19 09:04	11/23/19 17:03	91-58-7	
2-Chlorophenol	ND	ug/kg	376	103	1	11/22/19 09:04	11/23/19 17:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	376	77.5	1	11/22/19 09:04	11/23/19 17:03	7005-72-3	
Dibenzofuran	ND	ug/kg	376	61.6	1	11/22/19 09:04	11/23/19 17:03	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	376	100	1	11/22/19 09:04	11/23/19 17:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	376	85.5	1	11/22/19 09:04	11/23/19 17:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	376	106	1	11/22/19 09:04	11/23/19 17:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.1	1	11/22/19 09:04	11/23/19 17:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	376	82.1	1	11/22/19 09:04	11/23/19 17:03	120-83-2	
Diethylphthalate	ND	ug/kg	376	58.1	1	11/22/19 09:04	11/23/19 17:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	376	148	1	11/22/19 09:04	11/23/19 17:03	105-67-9	
Dimethylphthalate	ND	ug/kg	376	76.4	1	11/22/19 09:04	11/23/19 17:03	131-11-3	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (0.5-1.0) **Lab ID: 92454032015** Collected: 11/14/19 11:25 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	376	61.6	1	11/22/19 09:04	11/23/19 17:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	752	75.2	1	11/22/19 09:04	11/23/19 17:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.6	1	11/22/19 09:04	11/23/19 17:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	376	70.7	1	11/22/19 09:04	11/23/19 17:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	376	78.7	1	11/22/19 09:04	11/23/19 17:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	376	78.7	1	11/22/19 09:04	11/23/19 17:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	376	103	1	11/22/19 09:04	11/23/19 17:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	376	65.0	1	11/22/19 09:04	11/23/19 17:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	376	47.9	1	11/22/19 09:04	11/23/19 17:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	376	69.5	1	11/22/19 09:04	11/23/19 17:03	77-47-4	v3
Hexachloroethane	ND	ug/kg	376	99.2	1	11/22/19 09:04	11/23/19 17:03	67-72-1	
Isophorone	ND	ug/kg	376	84.4	1	11/22/19 09:04	11/23/19 17:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	376	114	1	11/22/19 09:04	11/23/19 17:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	376	148	1	11/22/19 09:04	11/23/19 17:03	15831-10-4	
2-Nitroaniline	ND	ug/kg	1880	116	1	11/22/19 09:04	11/23/19 17:03	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	11/22/19 09:04	11/23/19 17:03	99-09-2	
4-Nitroaniline	ND	ug/kg	752	106	1	11/22/19 09:04	11/23/19 17:03	100-01-6	
Nitrobenzene	ND	ug/kg	376	103	1	11/22/19 09:04	11/23/19 17:03	98-95-3	
2-Nitrophenol	ND	ug/kg	376	91.2	1	11/22/19 09:04	11/23/19 17:03	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.3	1	11/22/19 09:04	11/23/19 17:03	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	376	122	1	11/22/19 09:04	11/23/19 17:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	376	71.8	1	11/22/19 09:04	11/23/19 17:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	376	112	1	11/22/19 09:04	11/23/19 17:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	376	100	1	11/22/19 09:04	11/23/19 17:03	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.4	1	11/22/19 09:04	11/23/19 17:03	87-86-5	
Phenol	ND	ug/kg	376	113	1	11/22/19 09:04	11/23/19 17:03	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	376	73.0	1	11/22/19 09:04	11/23/19 17:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	376	116	1	11/22/19 09:04	11/23/19 17:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	376	83.2	1	11/22/19 09:04	11/23/19 17:03	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	23-110		1	11/22/19 09:04	11/23/19 17:03	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-110		1	11/22/19 09:04	11/23/19 17:03	321-60-8	
Terphenyl-d14 (S)	73	%	28-110		1	11/22/19 09:04	11/23/19 17:03	1718-51-0	
Phenol-d6 (S)	79	%	22-110		1	11/22/19 09:04	11/23/19 17:03	13127-88-3	
2-Fluorophenol (S)	77	%	13-110		1	11/22/19 09:04	11/23/19 17:03	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110		1	11/22/19 09:04	11/23/19 17:03	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**69.9J**	ug/kg	84.8	8.5	1	11/22/19 11:10	11/22/19 20:23	67-64-1	
Benzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 20:23	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	75-27-4	
Bromoform	ND	ug/kg	4.2	2.0	1	11/22/19 11:10	11/22/19 20:23	75-25-2	
Bromomethane	ND	ug/kg	8.5	2.1	1	11/22/19 11:10	11/22/19 20:23	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (0.5-1.0) **Lab ID: 92454032015** Collected: 11/14/19 11:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	84.8	2.5	1	11/22/19 11:10	11/22/19 20:23	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 20:23	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	2.2	1	11/22/19 11:10	11/22/19 20:23	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	108-90-7	
Chloroethane	ND	ug/kg	8.5	2.0	1	11/22/19 11:10	11/22/19 20:23	75-00-3	
Chloroform	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	67-66-3	
Chloromethane	ND	ug/kg	8.5	2.0	1	11/22/19 11:10	11/22/19 20:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	3.1	1	11/22/19 11:10	11/22/19 20:23	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	106-93-4	
Dibromomethane	ND	ug/kg	4.2	2.1	1	11/22/19 11:10	11/22/19 20:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 20:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 20:23	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 20:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 20:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1.2	1	11/22/19 11:10	11/22/19 20:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 20:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 20:23	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 20:23	87-68-3	
2-Hexanone	**11.6J**	ug/kg	42.4	3.3	1	11/22/19 11:10	11/22/19 20:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	2.5	1	11/22/19 11:10	11/22/19 20:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.4	3.1	1	11/22/19 11:10	11/22/19 20:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 20:23	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1.0	1	11/22/19 11:10	11/22/19 20:23	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	103-65-1	
Styrene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 20:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (0.5-1.0) **Lab ID: 92454032015** Collected: 11/14/19 11:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 20:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 20:23	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 20:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 20:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 20:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 20:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 20:23	108-67-8	
Vinyl acetate	ND	ug/kg	42.4	7.5	1	11/22/19 11:10	11/22/19 20:23	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1.5	1	11/22/19 11:10	11/22/19 20:23	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 20:23	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 20:23	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 20:23	95-47-6	
Surrogates									
Toluene-d8 (S)	121	%	70-130		1	11/22/19 11:10	11/22/19 20:23	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 20:23	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1	11/22/19 11:10	11/22/19 20:23	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (5.5-6.0) **Lab ID: 92454032016** Collected: 11/14/19 11:30 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.0J**	ug/kg	11.5	0.57	1	11/23/19 13:01	11/24/19 12:05	83-32-9	
Acenaphthylene	**12.1**	ug/kg	11.5	0.52	1	11/23/19 13:01	11/24/19 12:05	208-96-8	
Anthracene	**12.0**	ug/kg	11.5	0.47	1	11/23/19 13:01	11/24/19 12:05	120-12-7	
Benzo(a)anthracene	**37.6**	ug/kg	11.5	0.84	1	11/23/19 13:01	11/24/19 12:05	56-55-3	
Benzo(a)pyrene	**36.1**	ug/kg	11.5	0.57	1	11/23/19 13:01	11/24/19 12:05	50-32-8	
Benzo(b)fluoranthene	**46.7**	ug/kg	11.5	0.82	1	11/23/19 13:01	11/24/19 12:05	205-99-2	
Benzo(g,h,i)perylene	**24.0**	ug/kg	11.5	1.2	1	11/23/19 13:01	11/24/19 12:05	191-24-2	
Benzo(k)fluoranthene	**17.0**	ug/kg	11.5	0.46	1	11/23/19 13:01	11/24/19 12:05	207-08-9	
Chrysene	**35.9**	ug/kg	11.5	0.56	1	11/23/19 13:01	11/24/19 12:05	218-01-9	
Dibenz(a,h)anthracene	**6.6J**	ug/kg	11.5	1.3	1	11/23/19 13:01	11/24/19 12:05	53-70-3	
Fluoranthene	**62.6**	ug/kg	11.5	1.4	1	11/23/19 13:01	11/24/19 12:05	206-44-0	
Fluorene	**3.3J**	ug/kg	11.5	0.49	1	11/23/19 13:01	11/24/19 12:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**19.6**	ug/kg	11.5	1.0	1	11/23/19 13:01	11/24/19 12:05	193-39-5	
1-Methylnaphthalene	**1.9J**	ug/kg	11.5	0.70	1	11/23/19 13:01	11/24/19 12:05	90-12-0	
2-Methylnaphthalene	**3.0J**	ug/kg	11.5	0.70	1	11/23/19 13:01	11/24/19 12:05	91-57-6	
Naphthalene	**5.1J**	ug/kg	11.5	0.73	1	11/23/19 13:01	11/24/19 12:05	91-20-3	
Phenanthrene	**31.9**	ug/kg	11.5	1.3	1	11/23/19 13:01	11/24/19 12:05	85-01-8	
Pyrene	**70.3**	ug/kg	11.5	1.2	1	11/23/19 13:01	11/24/19 12:05	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	10-128		1	11/23/19 13:01	11/24/19 12:05	4165-60-0	
2-Fluorobiphenyl (S)	76	%	10-110		1	11/23/19 13:01	11/24/19 12:05	321-60-8	
Terphenyl-d14 (S)	81	%	39-119		1	11/23/19 13:01	11/24/19 12:05	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	385	104	1	11/22/19 09:04	11/23/19 17:31	62-53-3	
Benzoic Acid	ND	ug/kg	1920	70.0	1	11/22/19 09:04	11/23/19 17:31	65-85-0	
Benzyl alcohol	ND	ug/kg	770	77.0	1	11/22/19 09:04	11/23/19 17:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	70.0	1	11/22/19 09:04	11/23/19 17:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	81.7	1	11/22/19 09:04	11/23/19 17:31	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	770	79.3	1	11/22/19 09:04	11/23/19 17:31	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/22/19 09:04	11/23/19 17:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	89.8	1	11/22/19 09:04	11/23/19 17:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	98.0	1	11/22/19 09:04	11/23/19 17:31	111-44-4	
2-Chloronaphthalene	ND	ug/kg	385	75.8	1	11/22/19 09:04	11/23/19 17:31	91-58-7	
2-Chlorophenol	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 17:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	79.3	1	11/22/19 09:04	11/23/19 17:31	7005-72-3	
Dibenzofuran	ND	ug/kg	385	63.0	1	11/22/19 09:04	11/23/19 17:31	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	385	103	1	11/22/19 09:04	11/23/19 17:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	385	87.5	1	11/22/19 09:04	11/23/19 17:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	385	108	1	11/22/19 09:04	11/23/19 17:31	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	84.0	1	11/22/19 09:04	11/23/19 17:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	84.0	1	11/22/19 09:04	11/23/19 17:31	120-83-2	
Diethylphthalate	ND	ug/kg	385	59.5	1	11/22/19 09:04	11/23/19 17:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	152	1	11/22/19 09:04	11/23/19 17:31	105-67-9	
Dimethylphthalate	ND	ug/kg	385	78.2	1	11/22/19 09:04	11/23/19 17:31	131-11-3	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (5.5-6.0) **Lab ID: 92454032016** Collected: 11/14/19 11:30 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	385	63.0	1	11/22/19 09:04	11/23/19 17:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	770	77.0	1	11/22/19 09:04	11/23/19 17:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	63.0	1	11/22/19 09:04	11/23/19 17:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	72.3	1	11/22/19 09:04	11/23/19 17:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	80.5	1	11/22/19 09:04	11/23/19 17:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	80.5	1	11/22/19 09:04	11/23/19 17:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 17:31	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	66.5	1	11/22/19 09:04	11/23/19 17:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	49.0	1	11/22/19 09:04	11/23/19 17:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	71.2	1	11/22/19 09:04	11/23/19 17:31	77-47-4	v3
Hexachloroethane	ND	ug/kg	385	101	1	11/22/19 09:04	11/23/19 17:31	67-72-1	
Isophorone	ND	ug/kg	385	86.3	1	11/22/19 09:04	11/23/19 17:31	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	117	1	11/22/19 09:04	11/23/19 17:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	152	1	11/22/19 09:04	11/23/19 17:31	15831-10-4	
2-Nitroaniline	ND	ug/kg	1920	119	1	11/22/19 09:04	11/23/19 17:31	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	105	1	11/22/19 09:04	11/23/19 17:31	99-09-2	
4-Nitroaniline	ND	ug/kg	770	108	1	11/22/19 09:04	11/23/19 17:31	100-01-6	
Nitrobenzene	ND	ug/kg	385	105	1	11/22/19 09:04	11/23/19 17:31	98-95-3	
2-Nitrophenol	ND	ug/kg	385	93.3	1	11/22/19 09:04	11/23/19 17:31	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.8	1	11/22/19 09:04	11/23/19 17:31	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	385	125	1	11/22/19 09:04	11/23/19 17:31	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	73.5	1	11/22/19 09:04	11/23/19 17:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	114	1	11/22/19 09:04	11/23/19 17:31	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	385	103	1	11/22/19 09:04	11/23/19 17:31	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	70.0	1	11/22/19 09:04	11/23/19 17:31	87-86-5	
Phenol	ND	ug/kg	385	115	1	11/22/19 09:04	11/23/19 17:31	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	385	74.7	1	11/22/19 09:04	11/23/19 17:31	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	385	119	1	11/22/19 09:04	11/23/19 17:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	85.2	1	11/22/19 09:04	11/23/19 17:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	23-110		1	11/22/19 09:04	11/23/19 17:31	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-110		1	11/22/19 09:04	11/23/19 17:31	321-60-8	
Terphenyl-d14 (S)	72	%	28-110		1	11/22/19 09:04	11/23/19 17:31	1718-51-0	
Phenol-d6 (S)	77	%	22-110		1	11/22/19 09:04	11/23/19 17:31	13127-88-3	
2-Fluorophenol (S)	73	%	13-110		1	11/22/19 09:04	11/23/19 17:31	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	11/22/19 09:04	11/23/19 17:31	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**43.7J**	ug/kg	95.9	9.6	1	11/22/19 11:10	11/22/19 20:49	67-64-1	
Benzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 20:49	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 20:49	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	75-27-4	
Bromoform	ND	ug/kg	4.8	2.2	1	11/22/19 11:10	11/22/19 20:49	75-25-2	
Bromomethane	ND	ug/kg	9.6	2.4	1	11/22/19 11:10	11/22/19 20:49	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (5.5-6.0) **Lab ID: 92454032016** Collected: 11/14/19 11:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	95.9	2.8	1	11/22/19 11:10	11/22/19 20:49	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 20:49	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 20:49	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	2.5	1	11/22/19 11:10	11/22/19 20:49	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	108-90-7	
Chloroethane	ND	ug/kg	9.6	2.3	1	11/22/19 11:10	11/22/19 20:49	75-00-3	
Chloroform	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 20:49	67-66-3	
Chloromethane	ND	ug/kg	9.6	2.3	1	11/22/19 11:10	11/22/19 20:49	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	3.5	1	11/22/19 11:10	11/22/19 20:49	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	106-93-4	
Dibromomethane	ND	ug/kg	4.8	2.4	1	11/22/19 11:10	11/22/19 20:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 20:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.6	3.5	1	11/22/19 11:10	11/22/19 20:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 20:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 20:49	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.3	1	11/22/19 11:10	11/22/19 20:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 20:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 20:49	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 20:49	87-68-3	
2-Hexanone	ND	ug/kg	48.0	3.7	1	11/22/19 11:10	11/22/19 20:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	99-87-6	
Methylene Chloride	ND	ug/kg	19.2	2.9	1	11/22/19 11:10	11/22/19 20:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.0	3.5	1	11/22/19 11:10	11/22/19 20:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.4	1	11/22/19 11:10	11/22/19 20:49	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1.2	1	11/22/19 11:10	11/22/19 20:49	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	103-65-1	
Styrene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 20:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1.6	1	11/22/19 11:10	11/22/19 20:49	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-32 (5.5-6.0) **Lab ID: 92454032016** Collected: 11/14/19 11:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 20:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 20:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 20:49	79-00-5	
Trichloroethene	ND	ug/kg	4.8	2.0	1	11/22/19 11:10	11/22/19 20:49	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	2.1	1	11/22/19 11:10	11/22/19 20:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.5	1	11/22/19 11:10	11/22/19 20:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1.9	1	11/22/19 11:10	11/22/19 20:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1.7	1	11/22/19 11:10	11/22/19 20:49	108-67-8	
Vinyl acetate	ND	ug/kg	48.0	8.4	1	11/22/19 11:10	11/22/19 20:49	108-05-4	
Vinyl chloride	ND	ug/kg	9.6	1.7	1	11/22/19 11:10	11/22/19 20:49	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	3.5	1	11/22/19 11:10	11/22/19 20:49	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	3.5	1	11/22/19 11:10	11/22/19 20:49	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1.8	1	11/22/19 11:10	11/22/19 20:49	95-47-6	
Surrogates									
Toluene-d8 (S)	118	%	70-130		1	11/22/19 11:10	11/22/19 20:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 20:49	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1	11/22/19 11:10	11/22/19 20:49	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (0.5-1.0) **Lab ID: 92454032017** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.0J**	ug/kg	12.2	0.61	1	11/22/19 10:24	11/22/19 22:50	83-32-9	
Acenaphthylene	**15.3**	ug/kg	12.2	0.55	1	11/22/19 10:24	11/22/19 22:50	208-96-8	
Anthracene	**25.0**	ug/kg	12.2	0.49	1	11/22/19 10:24	11/22/19 22:50	120-12-7	
Benzo(a)anthracene	**39.6**	ug/kg	12.2	0.88	1	11/22/19 10:24	11/22/19 22:50	56-55-3	
Benzo(a)pyrene	**34.2**	ug/kg	12.2	0.60	1	11/22/19 10:24	11/22/19 22:50	50-32-8	
Benzo(b)fluoranthene	**54.0**	ug/kg	12.2	0.87	1	11/22/19 10:24	11/22/19 22:50	205-99-2	
Benzo(g,h,i)perylene	**28.0**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 22:50	191-24-2	
Benzo(k)fluoranthene	**17.7**	ug/kg	12.2	0.48	1	11/22/19 10:24	11/22/19 22:50	207-08-9	
Chrysene	**41.4**	ug/kg	12.2	0.59	1	11/22/19 10:24	11/22/19 22:50	218-01-9	
Dibenz(a,h)anthracene	**7.7J**	ug/kg	12.2	1.4	1	11/22/19 10:24	11/22/19 22:50	53-70-3	
Fluoranthene	**84.8**	ug/kg	12.2	1.5	1	11/22/19 10:24	11/22/19 22:50	206-44-0	
Fluorene	**10J**	ug/kg	12.2	0.51	1	11/22/19 10:24	11/22/19 22:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**23.6**	ug/kg	12.2	1.1	1	11/22/19 10:24	11/22/19 22:50	193-39-5	
1-Methylnaphthalene	**11.7J**	ug/kg	12.2	0.74	1	11/22/19 10:24	11/22/19 22:50	90-12-0	
2-Methylnaphthalene	**17.2**	ug/kg	12.2	0.74	1	11/22/19 10:24	11/22/19 22:50	91-57-6	
Naphthalene	**26.5**	ug/kg	12.2	0.77	1	11/22/19 10:24	11/22/19 22:50	91-20-3	
Phenanthrene	**101**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 22:50	85-01-8	
Pyrene	**69.2**	ug/kg	12.2	1.3	1	11/22/19 10:24	11/22/19 22:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	10-128		1	11/22/19 10:24	11/22/19 22:50	4165-60-0	
2-Fluorobiphenyl (S)	58	%	10-110		1	11/22/19 10:24	11/22/19 22:50	321-60-8	
Terphenyl-d14 (S)	58	%	39-119		1	11/22/19 10:24	11/22/19 22:50	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	397	107	1	11/22/19 09:04	11/23/19 17:59	62-53-3	
Benzoic Acid	ND	ug/kg	1990	72.2	1	11/22/19 09:04	11/23/19 17:59	65-85-0	
Benzyl alcohol	ND	ug/kg	794	79.4	1	11/22/19 09:04	11/23/19 17:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.2	1	11/22/19 09:04	11/23/19 17:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.2	1	11/22/19 09:04	11/23/19 17:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	794	81.8	1	11/22/19 09:04	11/23/19 17:59	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/19 09:04	11/23/19 17:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.7	1	11/22/19 09:04	11/23/19 17:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/19 09:04	11/23/19 17:59	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.2	1	11/22/19 09:04	11/23/19 17:59	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/19 09:04	11/23/19 17:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.8	1	11/22/19 09:04	11/23/19 17:59	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/19 09:04	11/23/19 17:59	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	397	106	1	11/22/19 09:04	11/23/19 17:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	397	90.3	1	11/22/19 09:04	11/23/19 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	397	112	1	11/22/19 09:04	11/23/19 17:59	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.6	1	11/22/19 09:04	11/23/19 17:59	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.6	1	11/22/19 09:04	11/23/19 17:59	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.4	1	11/22/19 09:04	11/23/19 17:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	156	1	11/22/19 09:04	11/23/19 17:59	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.6	1	11/22/19 09:04	11/23/19 17:59	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (0.5-1.0) **Lab ID: 92454032017** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/19 09:04	11/23/19 17:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	794	79.4	1	11/22/19 09:04	11/23/19 17:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.0	1	11/22/19 09:04	11/23/19 17:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.6	1	11/22/19 09:04	11/23/19 17:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.0	1	11/22/19 09:04	11/23/19 17:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.0	1	11/22/19 09:04	11/23/19 17:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/19 09:04	11/23/19 17:59	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.6	1	11/22/19 09:04	11/23/19 17:59	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.5	1	11/22/19 09:04	11/23/19 17:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.4	1	11/22/19 09:04	11/23/19 17:59	77-47-4	v3
Hexachloroethane	ND	ug/kg	397	105	1	11/22/19 09:04	11/23/19 17:59	67-72-1	
Isophorone	ND	ug/kg	397	89.1	1	11/22/19 09:04	11/23/19 17:59	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/19 09:04	11/23/19 17:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	156	1	11/22/19 09:04	11/23/19 17:59	15831-10-4	
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/19 09:04	11/23/19 17:59	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/19 09:04	11/23/19 17:59	99-09-2	
4-Nitroaniline	ND	ug/kg	794	112	1	11/22/19 09:04	11/23/19 17:59	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/19 09:04	11/23/19 17:59	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.3	1	11/22/19 09:04	11/23/19 17:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.0	1	11/22/19 09:04	11/23/19 17:59	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	397	129	1	11/22/19 09:04	11/23/19 17:59	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.8	1	11/22/19 09:04	11/23/19 17:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/19 09:04	11/23/19 17:59	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/19 09:04	11/23/19 17:59	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.2	1	11/22/19 09:04	11/23/19 17:59	87-86-5	
Phenol	ND	ug/kg	397	119	1	11/22/19 09:04	11/23/19 17:59	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	397	77.0	1	11/22/19 09:04	11/23/19 17:59	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/19 09:04	11/23/19 17:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.8	1	11/22/19 09:04	11/23/19 17:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	83	%	23-110		1	11/22/19 09:04	11/23/19 17:59	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110		1	11/22/19 09:04	11/23/19 17:59	321-60-8	
Terphenyl-d14 (S)	60	%	28-110		1	11/22/19 09:04	11/23/19 17:59	1718-51-0	
Phenol-d6 (S)	75	%	22-110		1	11/22/19 09:04	11/23/19 17:59	13127-88-3	
2-Fluorophenol (S)	73	%	13-110		1	11/22/19 09:04	11/23/19 17:59	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110		1	11/22/19 09:04	11/23/19 17:59	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	100	10	1	11/22/19 11:10	11/22/19 21:14	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1	11/22/19 11:10	11/22/19 21:14	71-43-2	
Bromobenzene	ND	ug/kg	5.0	2.0	1	11/22/19 11:10	11/22/19 21:14	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1	11/22/19 11:10	11/22/19 21:14	75-25-2	
Bromomethane	ND	ug/kg	10	2.5	1	11/22/19 11:10	11/22/19 21:14	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (0.5-1.0) **Lab ID: 92454032017** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	100	2.9	1	11/22/19 11:10	11/22/19 21:14	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1.6	1	11/22/19 11:10	11/22/19 21:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	2.0	1	11/22/19 11:10	11/22/19 21:14	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1	11/22/19 11:10	11/22/19 21:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	108-90-7	
Chloroethane	ND	ug/kg	10	2.4	1	11/22/19 11:10	11/22/19 21:14	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1	11/22/19 11:10	11/22/19 21:14	67-66-3	
Chloromethane	ND	ug/kg	10	2.4	1	11/22/19 11:10	11/22/19 21:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1	11/22/19 11:10	11/22/19 21:14	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	106-93-4	
Dibromomethane	ND	ug/kg	5.0	2.5	1	11/22/19 11:10	11/22/19 21:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1	11/22/19 11:10	11/22/19 21:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10	3.6	1	11/22/19 11:10	11/22/19 21:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1	11/22/19 11:10	11/22/19 21:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1	11/22/19 11:10	11/22/19 21:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1	11/22/19 11:10	11/22/19 21:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1.5	1	11/22/19 11:10	11/22/19 21:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1	11/22/19 11:10	11/22/19 21:14	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	2.0	1	11/22/19 11:10	11/22/19 21:14	87-68-3	
2-Hexanone	ND	ug/kg	50.0	3.9	1	11/22/19 11:10	11/22/19 21:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	3.0	1	11/22/19 11:10	11/22/19 21:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1	11/22/19 11:10	11/22/19 21:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1	11/22/19 11:10	11/22/19 21:14	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1.2	1	11/22/19 11:10	11/22/19 21:14	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	103-65-1	
Styrene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	2.1	1	11/22/19 11:10	11/22/19 21:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1	11/22/19 11:10	11/22/19 21:14	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (0.5-1.0) **Lab ID: 92454032017** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1	11/22/19 11:10	11/22/19 21:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1	11/22/19 11:10	11/22/19 21:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1	11/22/19 11:10	11/22/19 21:14	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1	11/22/19 11:10	11/22/19 21:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1	11/22/19 11:10	11/22/19 21:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1.6	1	11/22/19 11:10	11/22/19 21:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	2.0	1	11/22/19 11:10	11/22/19 21:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1.8	1	11/22/19 11:10	11/22/19 21:14	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	8.8	1	11/22/19 11:10	11/22/19 21:14	108-05-4	
Vinyl chloride	ND	ug/kg	10	1.8	1	11/22/19 11:10	11/22/19 21:14	75-01-4	
Xylene (Total)	ND	ug/kg	10	3.6	1	11/22/19 11:10	11/22/19 21:14	1330-20-7	
m&p-Xylene	ND	ug/kg	10	3.6	1	11/22/19 11:10	11/22/19 21:14	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1	11/22/19 11:10	11/22/19 21:14	95-47-6	
Surrogates									
Toluene-d8 (S)	138	%	70-130		1	11/22/19 11:10	11/22/19 21:14	2037-26-5	S3
4-Bromofluorobenzene (S)	104	%	70-130		1	11/22/19 11:10	11/22/19 21:14	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1	11/22/19 11:10	11/22/19 21:14	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		11/18/19 14:36		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (5.5-6.0) **Lab ID: 92454032018** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**10.7J**	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 00:55	83-32-9	
Acenaphthylene	**28.4**	ug/kg	11.8	0.53	1	11/22/19 13:21	11/23/19 00:55	208-96-8	M1
Anthracene	**86.0**	ug/kg	11.8	0.48	1	11/22/19 13:21	11/23/19 00:55	120-12-7	M1
Benzo(a)anthracene	**143**	ug/kg	11.8	0.86	1	11/22/19 13:21	11/23/19 00:55	56-55-3	M1
Benzo(a)pyrene	**108**	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 00:55	50-32-8	M1
Benzo(b)fluoranthene	**192**	ug/kg	11.8	0.84	1	11/22/19 13:21	11/23/19 00:55	205-99-2	M1
Benzo(g,h,i)perylene	**111**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 00:55	191-24-2	
Benzo(k)fluoranthene	**61.5**	ug/kg	11.8	0.47	1	11/22/19 13:21	11/23/19 00:55	207-08-9	
Chrysene	**165**	ug/kg	11.8	0.57	1	11/22/19 13:21	11/23/19 00:55	218-01-9	M1
Dibenz(a,h)anthracene	**27.1**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 00:55	53-70-3	
Fluoranthene	**328**	ug/kg	11.8	1.5	1	11/22/19 13:21	11/23/19 00:55	206-44-0	M1
Fluorene	**21.2**	ug/kg	11.8	0.50	1	11/22/19 13:21	11/23/19 00:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**84.5**	ug/kg	11.8	1.0	1	11/22/19 13:21	11/23/19 00:55	193-39-5	
1-Methylnaphthalene	**45.3**	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 00:55	90-12-0	M1
2-Methylnaphthalene	**71.3**	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 00:55	91-57-6	M1
Naphthalene	**116**	ug/kg	11.8	0.75	1	11/22/19 13:21	11/23/19 00:55	91-20-3	M1
Phenanthrene	**357**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 00:55	85-01-8	M1
Pyrene	**265**	ug/kg	11.8	1.2	1	11/22/19 13:21	11/23/19 00:55	129-00-0	M1
Surrogates									
Nitrobenzene-d5 (S)	78	%	10-128		1	11/22/19 13:21	11/23/19 00:55	4165-60-0	
2-Fluorobiphenyl (S)	84	%	10-110		1	11/22/19 13:21	11/23/19 00:55	321-60-8	
Terphenyl-d14 (S)	78	%	39-119		1	11/22/19 13:21	11/23/19 00:55	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	389	105	1	11/22/19 15:19	11/24/19 00:32	62-53-3	
Benzoic Acid	ND	ug/kg	1950	70.8	1	11/22/19 15:19	11/24/19 00:32	65-85-0	
Benzyl alcohol	ND	ug/kg	779	77.9	1	11/22/19 15:19	11/24/19 00:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	70.8	1	11/22/19 15:19	11/24/19 00:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	82.6	1	11/22/19 15:19	11/24/19 00:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	80.3	1	11/22/19 15:19	11/24/19 00:32	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/19 15:19	11/24/19 00:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	90.9	1	11/22/19 15:19	11/24/19 00:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	99.1	1	11/22/19 15:19	11/24/19 00:32	111-44-4	
2-Chloronaphthalene	ND	ug/kg	389	76.7	1	11/22/19 15:19	11/24/19 00:32	91-58-7	
2-Chlorophenol	ND	ug/kg	389	106	1	11/22/19 15:19	11/24/19 00:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	80.3	1	11/22/19 15:19	11/24/19 00:32	7005-72-3	
Dibenzofuran	**115J**	ug/kg	389	63.7	1	11/22/19 15:19	11/24/19 00:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	389	104	1	11/22/19 15:19	11/24/19 00:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	389	88.5	1	11/22/19 15:19	11/24/19 00:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	389	110	1	11/22/19 15:19	11/24/19 00:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.0	1	11/22/19 15:19	11/24/19 00:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	85.0	1	11/22/19 15:19	11/24/19 00:32	120-83-2	
Diethylphthalate	ND	ug/kg	389	60.2	1	11/22/19 15:19	11/24/19 00:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	153	1	11/22/19 15:19	11/24/19 00:32	105-67-9	
Dimethylphthalate	ND	ug/kg	389	79.1	1	11/22/19 15:19	11/24/19 00:32	131-11-3	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (5.5-6.0) **Lab ID: 92454032018** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	389	63.7	1	11/22/19 15:19	11/24/19 00:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	77.9	1	11/22/19 15:19	11/24/19 00:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.7	1	11/22/19 15:19	11/24/19 00:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	73.2	1	11/22/19 15:19	11/24/19 00:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	81.4	1	11/22/19 15:19	11/24/19 00:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	81.4	1	11/22/19 15:19	11/24/19 00:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	106	1	11/22/19 15:19	11/24/19 00:32	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	67.3	1	11/22/19 15:19	11/24/19 00:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	49.6	1	11/22/19 15:19	11/24/19 00:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	72.0	1	11/22/19 15:19	11/24/19 00:32	77-47-4	v3
Hexachloroethane	ND	ug/kg	389	103	1	11/22/19 15:19	11/24/19 00:32	67-72-1	
Isophorone	ND	ug/kg	389	87.3	1	11/22/19 15:19	11/24/19 00:32	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	118	1	11/22/19 15:19	11/24/19 00:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	389	153	1	11/22/19 15:19	11/24/19 00:32	15831-10-4	
2-Nitroaniline	ND	ug/kg	1950	120	1	11/22/19 15:19	11/24/19 00:32	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/19 15:19	11/24/19 00:32	99-09-2	
4-Nitroaniline	ND	ug/kg	779	110	1	11/22/19 15:19	11/24/19 00:32	100-01-6	
Nitrobenzene	ND	ug/kg	389	106	1	11/22/19 15:19	11/24/19 00:32	98-95-3	
2-Nitrophenol	ND	ug/kg	389	94.4	1	11/22/19 15:19	11/24/19 00:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.6	1	11/22/19 15:19	11/24/19 00:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	389	126	1	11/22/19 15:19	11/24/19 00:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	74.4	1	11/22/19 15:19	11/24/19 00:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	116	1	11/22/19 15:19	11/24/19 00:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	389	104	1	11/22/19 15:19	11/24/19 00:32	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.8	1	11/22/19 15:19	11/24/19 00:32	87-86-5	
Phenol	ND	ug/kg	389	117	1	11/22/19 15:19	11/24/19 00:32	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	389	75.5	1	11/22/19 15:19	11/24/19 00:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	389	120	1	11/22/19 15:19	11/24/19 00:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	86.2	1	11/22/19 15:19	11/24/19 00:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	23-110		1	11/22/19 15:19	11/24/19 00:32	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-110		1	11/22/19 15:19	11/24/19 00:32	321-60-8	
Terphenyl-d14 (S)	59	%	28-110		1	11/22/19 15:19	11/24/19 00:32	1718-51-0	
Phenol-d6 (S)	63	%	22-110		1	11/22/19 15:19	11/24/19 00:32	13127-88-3	
2-Fluorophenol (S)	64	%	13-110		1	11/22/19 15:19	11/24/19 00:32	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110		1	11/22/19 15:19	11/24/19 00:32	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	2610	261	25	11/21/19 13:52	11/21/19 19:40	67-64-1	
Benzene	ND	ug/kg	130	41.7	25	11/21/19 13:52	11/21/19 19:40	71-43-2	
Bromobenzene	ND	ug/kg	130	52.1	25	11/21/19 13:52	11/21/19 19:40	108-86-1	
Bromochloromethane	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	74-97-5	
Bromodichloromethane	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	75-27-4	
Bromoform	ND	ug/kg	130	60.0	25	11/21/19 13:52	11/21/19 19:40	75-25-2	
Bromomethane	ND	ug/kg	261	65.2	25	11/21/19 13:52	11/21/19 19:40	74-83-9	L1,M0

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (5.5-6.0) **Lab ID: 92454032018** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	2610	75.6	25	11/21/19 13:52	11/21/19 19:40	78-93-3	
n-Butylbenzene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	130	41.7	25	11/21/19 13:52	11/21/19 19:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	130	52.1	25	11/21/19 13:52	11/21/19 19:40	98-06-6	
Carbon tetrachloride	ND	ug/kg	130	67.8	25	11/21/19 13:52	11/21/19 19:40	56-23-5	
Chlorobenzene	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	108-90-7	
Chloroethane	ND	ug/kg	261	62.6	25	11/21/19 13:52	11/21/19 19:40	75-00-3	
Chloroform	ND	ug/kg	130	41.7	25	11/21/19 13:52	11/21/19 19:40	67-66-3	
Chloromethane	ND	ug/kg	261	62.6	25	11/21/19 13:52	11/21/19 19:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	130	93.9	25	11/21/19 13:52	11/21/19 19:40	96-12-8	
Dibromochloromethane	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	106-93-4	
Dibromomethane	ND	ug/kg	130	65.2	25	11/21/19 13:52	11/21/19 19:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	130	52.1	25	11/21/19 13:52	11/21/19 19:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	261	93.9	25	11/21/19 13:52	11/21/19 19:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	130	39.1	25	11/21/19 13:52	11/21/19 19:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	130	57.4	25	11/21/19 13:52	11/21/19 19:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	130	36.5	25	11/21/19 13:52	11/21/19 19:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	130	39.1	25	11/21/19 13:52	11/21/19 19:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	130	39.1	25	11/21/19 13:52	11/21/19 19:40	10061-02-6	
Diisopropyl ether	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	108-20-3	
Ethylbenzene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	130	52.1	25	11/21/19 13:52	11/21/19 19:40	87-68-3	
2-Hexanone	ND	ug/kg	1300	102	25	11/21/19 13:52	11/21/19 19:40	591-78-6	M1
Isopropylbenzene (Cumene)	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	99-87-6	
Methylene Chloride	ND	ug/kg	521	78.2	25	11/21/19 13:52	11/21/19 19:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1300	96.5	25	11/21/19 13:52	11/21/19 19:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	130	39.1	25	11/21/19 13:52	11/21/19 19:40	1634-04-4	
Naphthalene	**143**	ug/kg	130	31.3	25	11/21/19 13:52	11/21/19 19:40	91-20-3	
n-Propylbenzene	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	103-65-1	
Styrene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	130	54.7	25	11/21/19 13:52	11/21/19 19:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	79-34-5	
Tetrachloroethene	ND	ug/kg	130	44.3	25	11/21/19 13:52	11/21/19 19:40	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-33 (5.5-6.0) **Lab ID: 92454032018** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	130	57.4	25	11/21/19 13:52	11/21/19 19:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	130	41.7	25	11/21/19 13:52	11/21/19 19:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	130	54.7	25	11/21/19 13:52	11/21/19 19:40	79-00-5	
Trichloroethene	ND	ug/kg	130	54.7	25	11/21/19 13:52	11/21/19 19:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	130	57.4	25	11/21/19 13:52	11/21/19 19:40	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/kg	130	41.7	25	11/21/19 13:52	11/21/19 19:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	130	52.1	25	11/21/19 13:52	11/21/19 19:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	130	46.9	25	11/21/19 13:52	11/21/19 19:40	108-67-8	
Vinyl acetate	ND	ug/kg	1300	229	25	11/21/19 13:52	11/21/19 19:40	108-05-4	
Vinyl chloride	ND	ug/kg	261	46.9	25	11/21/19 13:52	11/21/19 19:40	75-01-4	M1
Xylene (Total)	ND	ug/kg	261	93.9	25	11/21/19 13:52	11/21/19 19:40	1330-20-7	
m&p-Xylene	ND	ug/kg	261	93.9	25	11/21/19 13:52	11/21/19 19:40	179601-23-1	
o-Xylene	ND	ug/kg	130	49.5	25	11/21/19 13:52	11/21/19 19:40	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		25	11/21/19 13:52	11/21/19 19:40	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		25	11/21/19 13:52	11/21/19 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		25	11/21/19 13:52	11/21/19 19:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.0**	%	0.10	0.10	1		11/18/19 14:36		

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (0.5-1.0) **Lab ID: 92454032019** Collected: 11/14/19 09:45 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.2J**	ug/kg	11.8	0.59	1	11/22/19 10:24	11/22/19 23:11	83-32-9	
Acenaphthylene	**6.8J**	ug/kg	11.8	0.53	1	11/22/19 10:24	11/22/19 23:11	208-96-8	
Anthracene	**28.0**	ug/kg	11.8	0.48	1	11/22/19 10:24	11/22/19 23:11	120-12-7	
Benzo(a)anthracene	**53.0**	ug/kg	11.8	0.86	1	11/22/19 10:24	11/22/19 23:11	56-55-3	
Benzo(a)pyrene	**42.3**	ug/kg	11.8	0.59	1	11/22/19 10:24	11/22/19 23:11	50-32-8	
Benzo(b)fluoranthene	**84.1**	ug/kg	11.8	0.84	1	11/22/19 10:24	11/22/19 23:11	205-99-2	
Benzo(g,h,i)perylene	**49.2**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 23:11	191-24-2	
Benzo(k)fluoranthene	**25.6**	ug/kg	11.8	0.47	1	11/22/19 10:24	11/22/19 23:11	207-08-9	
Chrysene	**75.5**	ug/kg	11.8	0.57	1	11/22/19 10:24	11/22/19 23:11	218-01-9	
Dibenz(a,h)anthracene	**12.0**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 23:11	53-70-3	
Fluoranthene	**125**	ug/kg	11.8	1.5	1	11/22/19 10:24	11/22/19 23:11	206-44-0	
Fluorene	**3.8J**	ug/kg	11.8	0.50	1	11/22/19 10:24	11/22/19 23:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**35.9**	ug/kg	11.8	1.0	1	11/22/19 10:24	11/22/19 23:11	193-39-5	
1-Methylnaphthalene	**24.6**	ug/kg	11.8	0.72	1	11/22/19 10:24	11/22/19 23:11	90-12-0	
2-Methylnaphthalene	**35.4**	ug/kg	11.8	0.72	1	11/22/19 10:24	11/22/19 23:11	91-57-6	
Naphthalene	**49.0**	ug/kg	11.8	0.75	1	11/22/19 10:24	11/22/19 23:11	91-20-3	
Phenanthrene	**145**	ug/kg	11.8	1.3	1	11/22/19 10:24	11/22/19 23:11	85-01-8	
Pyrene	**99.8**	ug/kg	11.8	1.2	1	11/22/19 10:24	11/22/19 23:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	10-128		1	11/22/19 10:24	11/22/19 23:11	4165-60-0	
2-Fluorobiphenyl (S)	70	%	10-110		1	11/22/19 10:24	11/22/19 23:11	321-60-8	
Terphenyl-d14 (S)	72	%	39-119		1	11/22/19 10:24	11/22/19 23:11	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	384	104	1	11/22/19 09:04	11/23/19 18:27	62-53-3	
Benzoic Acid	ND	ug/kg	1920	69.9	1	11/22/19 09:04	11/23/19 18:27	65-85-0	
Benzyl alcohol	ND	ug/kg	769	76.9	1	11/22/19 09:04	11/23/19 18:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	69.9	1	11/22/19 09:04	11/23/19 18:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	81.5	1	11/22/19 09:04	11/23/19 18:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	769	79.2	1	11/22/19 09:04	11/23/19 18:27	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/22/19 09:04	11/23/19 18:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	384	89.7	1	11/22/19 09:04	11/23/19 18:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	97.8	1	11/22/19 09:04	11/23/19 18:27	111-44-4	
2-Chloronaphthalene	ND	ug/kg	384	75.7	1	11/22/19 09:04	11/23/19 18:27	91-58-7	
2-Chlorophenol	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 18:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	79.2	1	11/22/19 09:04	11/23/19 18:27	7005-72-3	
Dibenzofuran	ND	ug/kg	384	62.9	1	11/22/19 09:04	11/23/19 18:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	384	102	1	11/22/19 09:04	11/23/19 18:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	384	87.3	1	11/22/19 09:04	11/23/19 18:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	384	108	1	11/22/19 09:04	11/23/19 18:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	83.9	1	11/22/19 09:04	11/23/19 18:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	83.9	1	11/22/19 09:04	11/23/19 18:27	120-83-2	
Diethylphthalate	ND	ug/kg	384	59.4	1	11/22/19 09:04	11/23/19 18:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	151	1	11/22/19 09:04	11/23/19 18:27	105-67-9	
Dimethylphthalate	ND	ug/kg	384	78.0	1	11/22/19 09:04	11/23/19 18:27	131-11-3	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (0.5-1.0) **Lab ID: 92454032019** Collected: 11/14/19 09:45 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	384	62.9	1	11/22/19 09:04	11/23/19 18:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	769	76.9	1	11/22/19 09:04	11/23/19 18:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	62.9	1	11/22/19 09:04	11/23/19 18:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	72.2	1	11/22/19 09:04	11/23/19 18:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	80.4	1	11/22/19 09:04	11/23/19 18:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	80.4	1	11/22/19 09:04	11/23/19 18:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 18:27	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	66.4	1	11/22/19 09:04	11/23/19 18:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	48.9	1	11/22/19 09:04	11/23/19 18:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	71.0	1	11/22/19 09:04	11/23/19 18:27	77-47-4	v3
Hexachloroethane	ND	ug/kg	384	101	1	11/22/19 09:04	11/23/19 18:27	67-72-1	
Isophorone	ND	ug/kg	384	86.2	1	11/22/19 09:04	11/23/19 18:27	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	116	1	11/22/19 09:04	11/23/19 18:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	384	151	1	11/22/19 09:04	11/23/19 18:27	15831-10-4	
2-Nitroaniline	ND	ug/kg	1920	119	1	11/22/19 09:04	11/23/19 18:27	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	105	1	11/22/19 09:04	11/23/19 18:27	99-09-2	
4-Nitroaniline	ND	ug/kg	769	108	1	11/22/19 09:04	11/23/19 18:27	100-01-6	
Nitrobenzene	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 18:27	98-95-3	
2-Nitrophenol	ND	ug/kg	384	93.2	1	11/22/19 09:04	11/23/19 18:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.7	1	11/22/19 09:04	11/23/19 18:27	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	384	125	1	11/22/19 09:04	11/23/19 18:27	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	73.4	1	11/22/19 09:04	11/23/19 18:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	384	114	1	11/22/19 09:04	11/23/19 18:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	384	102	1	11/22/19 09:04	11/23/19 18:27	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	69.9	1	11/22/19 09:04	11/23/19 18:27	87-86-5	
Phenol	ND	ug/kg	384	115	1	11/22/19 09:04	11/23/19 18:27	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	384	74.5	1	11/22/19 09:04	11/23/19 18:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	384	119	1	11/22/19 09:04	11/23/19 18:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	85.0	1	11/22/19 09:04	11/23/19 18:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	84	%	23-110		1	11/22/19 09:04	11/23/19 18:27	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-110		1	11/22/19 09:04	11/23/19 18:27	321-60-8	
Terphenyl-d14 (S)	65	%	28-110		1	11/22/19 09:04	11/23/19 18:27	1718-51-0	
Phenol-d6 (S)	76	%	22-110		1	11/22/19 09:04	11/23/19 18:27	13127-88-3	
2-Fluorophenol (S)	76	%	13-110		1	11/22/19 09:04	11/23/19 18:27	367-12-4	
2,4,6-Tribromophenol (S)	74	%	27-110		1	11/22/19 09:04	11/23/19 18:27	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	110	11.0	1	11/22/19 11:10	11/22/19 21:40	67-64-1	
Benzene	ND	ug/kg	5.5	1.8	1	11/22/19 11:10	11/22/19 21:40	71-43-2	
Bromobenzene	ND	ug/kg	5.5	2.2	1	11/22/19 11:10	11/22/19 21:40	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1	11/22/19 11:10	11/22/19 21:40	75-25-2	
Bromomethane	ND	ug/kg	11.0	2.8	1	11/22/19 11:10	11/22/19 21:40	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (0.5-1.0) **Lab ID: 92454032019** Collected: 11/14/19 09:45 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	110	3.2	1	11/22/19 11:10	11/22/19 21:40	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1.8	1	11/22/19 11:10	11/22/19 21:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	2.2	1	11/22/19 11:10	11/22/19 21:40	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.5	2.9	1	11/22/19 11:10	11/22/19 21:40	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	108-90-7	
Chloroethane	ND	ug/kg	11.0	2.6	1	11/22/19 11:10	11/22/19 21:40	75-00-3	
Chloroform	ND	ug/kg	5.5	1.8	1	11/22/19 11:10	11/22/19 21:40	67-66-3	
Chloromethane	ND	ug/kg	11.0	2.6	1	11/22/19 11:10	11/22/19 21:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	4.0	1	11/22/19 11:10	11/22/19 21:40	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	106-93-4	
Dibromomethane	ND	ug/kg	5.5	2.8	1	11/22/19 11:10	11/22/19 21:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1	11/22/19 11:10	11/22/19 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.0	4.0	1	11/22/19 11:10	11/22/19 21:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.7	1	11/22/19 11:10	11/22/19 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1	11/22/19 11:10	11/22/19 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.5	1	11/22/19 11:10	11/22/19 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1.7	1	11/22/19 11:10	11/22/19 21:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.7	1	11/22/19 11:10	11/22/19 21:40	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	108-20-3	
Ethylbenzene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	2.2	1	11/22/19 11:10	11/22/19 21:40	87-68-3	
2-Hexanone	ND	ug/kg	55.0	4.3	1	11/22/19 11:10	11/22/19 21:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	99-87-6	
Methylene Chloride	ND	ug/kg	22.0	3.3	1	11/22/19 11:10	11/22/19 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.0	4.1	1	11/22/19 11:10	11/22/19 21:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.7	1	11/22/19 11:10	11/22/19 21:40	1634-04-4	
Naphthalene	ND	ug/kg	5.5	1.3	1	11/22/19 11:10	11/22/19 21:40	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	103-65-1	
Styrene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	2.3	1	11/22/19 11:10	11/22/19 21:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1	11/22/19 11:10	11/22/19 21:40	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (0.5-1.0) **Lab ID: 92454032019** Collected: 11/14/19 09:45 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1	11/22/19 11:10	11/22/19 21:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.8	1	11/22/19 11:10	11/22/19 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1	11/22/19 11:10	11/22/19 21:40	79-00-5	
Trichloroethene	ND	ug/kg	5.5	2.3	1	11/22/19 11:10	11/22/19 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1	11/22/19 11:10	11/22/19 21:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1.8	1	11/22/19 11:10	11/22/19 21:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	2.2	1	11/22/19 11:10	11/22/19 21:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	2.0	1	11/22/19 11:10	11/22/19 21:40	108-67-8	
Vinyl acetate	ND	ug/kg	55.0	9.7	1	11/22/19 11:10	11/22/19 21:40	108-05-4	
Vinyl chloride	ND	ug/kg	11.0	2.0	1	11/22/19 11:10	11/22/19 21:40	75-01-4	
Xylene (Total)	ND	ug/kg	11.0	4.0	1	11/22/19 11:10	11/22/19 21:40	1330-20-7	
m&p-Xylene	ND	ug/kg	11.0	4.0	1	11/22/19 11:10	11/22/19 21:40	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1	11/22/19 11:10	11/22/19 21:40	95-47-6	
Surrogates									
Toluene-d8 (S)	118	%	70-130		1	11/22/19 11:10	11/22/19 21:40	2037-26-5	
4-Bromofluorobenzene (S)	81	%	70-130		1	11/22/19 11:10	11/22/19 21:40	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1	11/22/19 11:10	11/22/19 21:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		11/18/19 14:36		

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (5.5-6.0) **Lab ID: 92454032020** Collected: 11/14/19 09:50 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**42.1**	ug/kg	12.2	0.61	1	11/22/19 13:21	11/23/19 01:58	83-32-9	
Acenaphthylene	ND	ug/kg	12.2	0.55	1	11/22/19 13:21	11/23/19 01:58	208-96-8	
Anthracene	**131**	ug/kg	12.2	0.50	1	11/22/19 13:21	11/23/19 01:58	120-12-7	
Benzo(a)anthracene	**157**	ug/kg	12.2	0.89	1	11/22/19 13:21	11/23/19 01:58	56-55-3	
Benzo(a)pyrene	**127**	ug/kg	12.2	0.60	1	11/22/19 13:21	11/23/19 01:58	50-32-8	
Benzo(b)fluoranthene	**212**	ug/kg	12.2	0.87	1	11/22/19 13:21	11/23/19 01:58	205-99-2	
Benzo(g,h,i)perylene	**102**	ug/kg	12.2	1.3	1	11/22/19 13:21	11/23/19 01:58	191-24-2	
Benzo(k)fluoranthene	**77.9**	ug/kg	12.2	0.48	1	11/22/19 13:21	11/23/19 01:58	207-08-9	
Chrysene	**199**	ug/kg	12.2	0.59	1	11/22/19 13:21	11/23/19 01:58	218-01-9	
Dibenz(a,h)anthracene	**29.7**	ug/kg	12.2	1.4	1	11/22/19 13:21	11/23/19 01:58	53-70-3	
Fluoranthene	**439**	ug/kg	12.2	1.5	1	11/22/19 13:21	11/23/19 01:58	206-44-0	
Fluorene	**52.9**	ug/kg	12.2	0.51	1	11/22/19 13:21	11/23/19 01:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**82.8**	ug/kg	12.2	1.1	1	11/22/19 13:21	11/23/19 01:58	193-39-5	
1-Methylnaphthalene	**182**	ug/kg	12.2	0.74	1	11/22/19 13:21	11/23/19 01:58	90-12-0	
2-Methylnaphthalene	**266**	ug/kg	12.2	0.74	1	11/22/19 13:21	11/23/19 01:58	91-57-6	
Naphthalene	**366**	ug/kg	12.2	0.77	1	11/22/19 13:21	11/23/19 01:58	91-20-3	
Phenanthrene	**684**	ug/kg	12.2	1.3	1	11/22/19 13:21	11/23/19 01:58	85-01-8	
Pyrene	**295**	ug/kg	12.2	1.3	1	11/22/19 13:21	11/23/19 01:58	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	85	%	10-128		1	11/22/19 13:21	11/23/19 01:58	4165-60-0	
2-Fluorobiphenyl (S)	83	%	10-110		1	11/22/19 13:21	11/23/19 01:58	321-60-8	
Terphenyl-d14 (S)	80	%	39-119		1	11/22/19 13:21	11/23/19 01:58	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	390	105	1	11/22/19 09:04	11/23/19 18:55	62-53-3	
Benzoic Acid	ND	ug/kg	1950	70.8	1	11/22/19 09:04	11/23/19 18:55	65-85-0	
Benzyl alcohol	ND	ug/kg	779	77.9	1	11/22/19 09:04	11/23/19 18:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	70.8	1	11/22/19 09:04	11/23/19 18:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.6	1	11/22/19 09:04	11/23/19 18:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	80.3	1	11/22/19 09:04	11/23/19 18:55	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/19 09:04	11/23/19 18:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	90.9	1	11/22/19 09:04	11/23/19 18:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.2	1	11/22/19 09:04	11/23/19 18:55	111-44-4	
2-Chloronaphthalene	ND	ug/kg	390	76.7	1	11/22/19 09:04	11/23/19 18:55	91-58-7	
2-Chlorophenol	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.3	1	11/22/19 09:04	11/23/19 18:55	7005-72-3	
Dibenzofuran	**113J**	ug/kg	390	63.8	1	11/22/19 09:04	11/23/19 18:55	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	390	104	1	11/22/19 09:04	11/23/19 18:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	390	88.5	1	11/22/19 09:04	11/23/19 18:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	390	110	1	11/22/19 09:04	11/23/19 18:55	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.0	1	11/22/19 09:04	11/23/19 18:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	85.0	1	11/22/19 09:04	11/23/19 18:55	120-83-2	
Diethylphthalate	ND	ug/kg	390	60.2	1	11/22/19 09:04	11/23/19 18:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	153	1	11/22/19 09:04	11/23/19 18:55	105-67-9	
Dimethylphthalate	ND	ug/kg	390	79.1	1	11/22/19 09:04	11/23/19 18:55	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (5.5-6.0) **Lab ID: 92454032020** Collected: 11/14/19 09:50 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	390	63.8	1	11/22/19 09:04	11/23/19 18:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	77.9	1	11/22/19 09:04	11/23/19 18:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.8	1	11/22/19 09:04	11/23/19 18:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	73.2	1	11/22/19 09:04	11/23/19 18:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	81.5	1	11/22/19 09:04	11/23/19 18:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	81.5	1	11/22/19 09:04	11/23/19 18:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:55	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.3	1	11/22/19 09:04	11/23/19 18:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	49.6	1	11/22/19 09:04	11/23/19 18:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	72.0	1	11/22/19 09:04	11/23/19 18:55	77-47-4	v3
Hexachloroethane	ND	ug/kg	390	103	1	11/22/19 09:04	11/23/19 18:55	67-72-1	
Isophorone	ND	ug/kg	390	87.4	1	11/22/19 09:04	11/23/19 18:55	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	11/22/19 09:04	11/23/19 18:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	153	1	11/22/19 09:04	11/23/19 18:55	15831-10-4	
2-Nitroaniline	ND	ug/kg	1950	120	1	11/22/19 09:04	11/23/19 18:55	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/19 09:04	11/23/19 18:55	99-09-2	
4-Nitroaniline	ND	ug/kg	779	110	1	11/22/19 09:04	11/23/19 18:55	100-01-6	
Nitrobenzene	ND	ug/kg	390	106	1	11/22/19 09:04	11/23/19 18:55	98-95-3	
2-Nitrophenol	ND	ug/kg	390	94.5	1	11/22/19 09:04	11/23/19 18:55	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.7	1	11/22/19 09:04	11/23/19 18:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	390	126	1	11/22/19 09:04	11/23/19 18:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.4	1	11/22/19 09:04	11/23/19 18:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	11/22/19 09:04	11/23/19 18:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	11/22/19 09:04	11/23/19 18:55	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.8	1	11/22/19 09:04	11/23/19 18:55	87-86-5	
Phenol	ND	ug/kg	390	117	1	11/22/19 09:04	11/23/19 18:55	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	390	75.6	1	11/22/19 09:04	11/23/19 18:55	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	390	120	1	11/22/19 09:04	11/23/19 18:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	86.2	1	11/22/19 09:04	11/23/19 18:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	84	%	23-110		1	11/22/19 09:04	11/23/19 18:55	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-110		1	11/22/19 09:04	11/23/19 18:55	321-60-8	
Terphenyl-d14 (S)	65	%	28-110		1	11/22/19 09:04	11/23/19 18:55	1718-51-0	
Phenol-d6 (S)	77	%	22-110		1	11/22/19 09:04	11/23/19 18:55	13127-88-3	
2-Fluorophenol (S)	76	%	13-110		1	11/22/19 09:04	11/23/19 18:55	367-12-4	
2,4,6-Tribromophenol (S)	74	%	27-110		1	11/22/19 09:04	11/23/19 18:55	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	90.0	9.0	1	11/22/19 11:10	11/22/19 22:05	67-64-1	
Benzene	ND	ug/kg	4.5	1.4	1	11/22/19 11:10	11/22/19 22:05	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1.8	1	11/22/19 11:10	11/22/19 22:05	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	75-27-4	
Bromoform	ND	ug/kg	4.5	2.1	1	11/22/19 11:10	11/22/19 22:05	75-25-2	
Bromomethane	ND	ug/kg	9.0	2.2	1	11/22/19 11:10	11/22/19 22:05	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (5.5-6.0) **Lab ID: 92454032020** Collected: 11/14/19 09:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	90.0	2.6	1	11/22/19 11:10	11/22/19 22:05	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1.4	1	11/22/19 11:10	11/22/19 22:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1.8	1	11/22/19 11:10	11/22/19 22:05	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	2.3	1	11/22/19 11:10	11/22/19 22:05	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	108-90-7	
Chloroethane	ND	ug/kg	9.0	2.2	1	11/22/19 11:10	11/22/19 22:05	75-00-3	
Chloroform	ND	ug/kg	4.5	1.4	1	11/22/19 11:10	11/22/19 22:05	67-66-3	
Chloromethane	ND	ug/kg	9.0	2.2	1	11/22/19 11:10	11/22/19 22:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	3.2	1	11/22/19 11:10	11/22/19 22:05	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	106-93-4	
Dibromomethane	ND	ug/kg	4.5	2.2	1	11/22/19 11:10	11/22/19 22:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1.8	1	11/22/19 11:10	11/22/19 22:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.0	3.2	1	11/22/19 11:10	11/22/19 22:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1.3	1	11/22/19 11:10	11/22/19 22:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	2.0	1	11/22/19 11:10	11/22/19 22:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1.3	1	11/22/19 11:10	11/22/19 22:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1.3	1	11/22/19 11:10	11/22/19 22:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1.3	1	11/22/19 11:10	11/22/19 22:05	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1.8	1	11/22/19 11:10	11/22/19 22:05	87-68-3	
2-Hexanone	ND	ug/kg	45.0	3.5	1	11/22/19 11:10	11/22/19 22:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	99-87-6	
Methylene Chloride	ND	ug/kg	18.0	2.7	1	11/22/19 11:10	11/22/19 22:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.0	3.3	1	11/22/19 11:10	11/22/19 22:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1.3	1	11/22/19 11:10	11/22/19 22:05	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1.1	1	11/22/19 11:10	11/22/19 22:05	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	103-65-1	
Styrene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1.9	1	11/22/19 11:10	11/22/19 22:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1.5	1	11/22/19 11:10	11/22/19 22:05	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-34 (5.5-6.0) **Lab ID: 92454032020** Collected: 11/14/19 09:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	2.0	1	11/22/19 11:10	11/22/19 22:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1.4	1	11/22/19 11:10	11/22/19 22:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1.9	1	11/22/19 11:10	11/22/19 22:05	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1.9	1	11/22/19 11:10	11/22/19 22:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	2.0	1	11/22/19 11:10	11/22/19 22:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1.4	1	11/22/19 11:10	11/22/19 22:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1.8	1	11/22/19 11:10	11/22/19 22:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1.6	1	11/22/19 11:10	11/22/19 22:05	108-67-8	
Vinyl acetate	ND	ug/kg	45.0	7.9	1	11/22/19 11:10	11/22/19 22:05	108-05-4	
Vinyl chloride	ND	ug/kg	9.0	1.6	1	11/22/19 11:10	11/22/19 22:05	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	3.2	1	11/22/19 11:10	11/22/19 22:05	1330-20-7	
m&p-Xylene	ND	ug/kg	9.0	3.2	1	11/22/19 11:10	11/22/19 22:05	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1.7	1	11/22/19 11:10	11/22/19 22:05	95-47-6	
Surrogates									
Toluene-d8 (S)	133	%	70-130		1	11/22/19 11:10	11/22/19 22:05	2037-26-5	S3
4-Bromofluorobenzene (S)	87	%	70-130		1	11/22/19 11:10	11/22/19 22:05	460-00-4	
1,2-Dichloroethane-d4 (S)	73	%	70-130		1	11/22/19 11:10	11/22/19 22:05	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.7**	%	0.10	0.10	1		11/18/19 14:37		

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (0.5-1.0) **Lab ID: 92454032021** Collected: 11/14/19 12:10 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	0.57	1	11/22/19 13:21	11/23/19 02:19	83-32-9	
Acenaphthylene	**1.1J**	ug/kg	11.5	0.52	1	11/22/19 13:21	11/23/19 02:19	208-96-8	
Anthracene	**1.1J**	ug/kg	11.5	0.47	1	11/22/19 13:21	11/23/19 02:19	120-12-7	
Benzo(a)anthracene	**2.7J**	ug/kg	11.5	0.84	1	11/22/19 13:21	11/23/19 02:19	56-55-3	
Benzo(a)pyrene	**1.8J**	ug/kg	11.5	0.57	1	11/22/19 13:21	11/23/19 02:19	50-32-8	
Benzo(b)fluoranthene	**2.3J**	ug/kg	11.5	0.82	1	11/22/19 13:21	11/23/19 02:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	1.2	1	11/22/19 13:21	11/23/19 02:19	191-24-2	
Benzo(k)fluoranthene	**1.2J**	ug/kg	11.5	0.46	1	11/22/19 13:21	11/23/19 02:19	207-08-9	
Chrysene	**2.5J**	ug/kg	11.5	0.56	1	11/22/19 13:21	11/23/19 02:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	1.3	1	11/22/19 13:21	11/23/19 02:19	53-70-3	
Fluoranthene	**4.6J**	ug/kg	11.5	1.5	1	11/22/19 13:21	11/23/19 02:19	206-44-0	
Fluorene	ND	ug/kg	11.5	0.49	1	11/22/19 13:21	11/23/19 02:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	1.0	1	11/22/19 13:21	11/23/19 02:19	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.5	0.70	1	11/22/19 13:21	11/23/19 02:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.5	0.70	1	11/22/19 13:21	11/23/19 02:19	91-57-6	
Naphthalene	ND	ug/kg	11.5	0.73	1	11/22/19 13:21	11/23/19 02:19	91-20-3	
Phenanthrene	**1.6J**	ug/kg	11.5	1.3	1	11/22/19 13:21	11/23/19 02:19	85-01-8	
Pyrene	**3.8J**	ug/kg	11.5	1.2	1	11/22/19 13:21	11/23/19 02:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	79	%	10-128		1	11/22/19 13:21	11/23/19 02:19	4165-60-0	
2-Fluorobiphenyl (S)	71	%	10-110		1	11/22/19 13:21	11/23/19 02:19	321-60-8	
Terphenyl-d14 (S)	59	%	39-119		1	11/22/19 13:21	11/23/19 02:19	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	384	104	1	11/22/19 09:04	11/23/19 19:23	62-53-3	
Benzoic Acid	ND	ug/kg	1920	69.9	1	11/22/19 09:04	11/23/19 19:23	65-85-0	
Benzyl alcohol	ND	ug/kg	769	76.9	1	11/22/19 09:04	11/23/19 19:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	69.9	1	11/22/19 09:04	11/23/19 19:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	81.6	1	11/22/19 09:04	11/23/19 19:23	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	769	79.2	1	11/22/19 09:04	11/23/19 19:23	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/22/19 09:04	11/23/19 19:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	384	89.7	1	11/22/19 09:04	11/23/19 19:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	97.9	1	11/22/19 09:04	11/23/19 19:23	111-44-4	
2-Chloronaphthalene	ND	ug/kg	384	75.7	1	11/22/19 09:04	11/23/19 19:23	91-58-7	
2-Chlorophenol	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 19:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	79.2	1	11/22/19 09:04	11/23/19 19:23	7005-72-3	
Dibenzofuran	ND	ug/kg	384	62.9	1	11/22/19 09:04	11/23/19 19:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	384	103	1	11/22/19 09:04	11/23/19 19:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	384	87.4	1	11/22/19 09:04	11/23/19 19:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	384	108	1	11/22/19 09:04	11/23/19 19:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	83.9	1	11/22/19 09:04	11/23/19 19:23	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	83.9	1	11/22/19 09:04	11/23/19 19:23	120-83-2	
Diethylphthalate	ND	ug/kg	384	59.4	1	11/22/19 09:04	11/23/19 19:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	151	1	11/22/19 09:04	11/23/19 19:23	105-67-9	
Dimethylphthalate	ND	ug/kg	384	78.1	1	11/22/19 09:04	11/23/19 19:23	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (0.5-1.0) **Lab ID: 92454032021** Collected: 11/14/19 12:10 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	384	62.9	1	11/22/19 09:04	11/23/19 19:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	769	76.9	1	11/22/19 09:04	11/23/19 19:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	62.9	1	11/22/19 09:04	11/23/19 19:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	72.2	1	11/22/19 09:04	11/23/19 19:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	80.4	1	11/22/19 09:04	11/23/19 19:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	80.4	1	11/22/19 09:04	11/23/19 19:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 19:23	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	66.4	1	11/22/19 09:04	11/23/19 19:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	48.9	1	11/22/19 09:04	11/23/19 19:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	71.1	1	11/22/19 09:04	11/23/19 19:23	77-47-4	v3
Hexachloroethane	ND	ug/kg	384	101	1	11/22/19 09:04	11/23/19 19:23	67-72-1	
Isophorone	ND	ug/kg	384	86.2	1	11/22/19 09:04	11/23/19 19:23	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	117	1	11/22/19 09:04	11/23/19 19:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	384	151	1	11/22/19 09:04	11/23/19 19:23	15831-10-4	
2-Nitroaniline	ND	ug/kg	1920	119	1	11/22/19 09:04	11/23/19 19:23	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	105	1	11/22/19 09:04	11/23/19 19:23	99-09-2	
4-Nitroaniline	ND	ug/kg	769	108	1	11/22/19 09:04	11/23/19 19:23	100-01-6	
Nitrobenzene	ND	ug/kg	384	105	1	11/22/19 09:04	11/23/19 19:23	98-95-3	
2-Nitrophenol	ND	ug/kg	384	93.2	1	11/22/19 09:04	11/23/19 19:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.7	1	11/22/19 09:04	11/23/19 19:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	384	125	1	11/22/19 09:04	11/23/19 19:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	73.4	1	11/22/19 09:04	11/23/19 19:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	384	114	1	11/22/19 09:04	11/23/19 19:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	384	103	1	11/22/19 09:04	11/23/19 19:23	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	69.9	1	11/22/19 09:04	11/23/19 19:23	87-86-5	
Phenol	ND	ug/kg	384	115	1	11/22/19 09:04	11/23/19 19:23	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	384	74.6	1	11/22/19 09:04	11/23/19 19:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	384	119	1	11/22/19 09:04	11/23/19 19:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	85.1	1	11/22/19 09:04	11/23/19 19:23	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	23-110		1	11/22/19 09:04	11/23/19 19:23	4165-60-0	
2-Fluorobiphenyl (S)	51	%	30-110		1	11/22/19 09:04	11/23/19 19:23	321-60-8	
Terphenyl-d14 (S)	32	%	28-110		1	11/22/19 09:04	11/23/19 19:23	1718-51-0	
Phenol-d6 (S)	65	%	22-110		1	11/22/19 09:04	11/23/19 19:23	13127-88-3	
2-Fluorophenol (S)	58	%	13-110		1	11/22/19 09:04	11/23/19 19:23	367-12-4	
2,4,6-Tribromophenol (S)	41	%	27-110		1	11/22/19 09:04	11/23/19 19:23	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**123**	ug/kg	91.9	9.2	1	11/22/19 11:10	11/22/19 12:52	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 12:52	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 12:52	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1	11/22/19 11:10	11/22/19 12:52	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1	11/22/19 11:10	11/22/19 12:52	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (0.5-1.0) **Lab ID: 92454032021** Collected: 11/14/19 12:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	**3.9J**	ug/kg	91.9	2.7	1	11/22/19 11:10	11/22/19 12:52	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 12:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 12:52	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1	11/22/19 11:10	11/22/19 12:52	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1	11/22/19 11:10	11/22/19 12:52	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 12:52	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1	11/22/19 11:10	11/22/19 12:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1	11/22/19 11:10	11/22/19 12:52	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	106-93-4	
Dibromomethane	ND	ug/kg	4.6	2.3	1	11/22/19 11:10	11/22/19 12:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 12:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 12:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 12:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 12:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1	11/22/19 11:10	11/22/19 12:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 12:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 12:52	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 12:52	87-68-3	
2-Hexanone	**67.3**	ug/kg	46.0	3.6	1	11/22/19 11:10	11/22/19 12:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	2.8	1	11/22/19 11:10	11/22/19 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.0	3.4	1	11/22/19 11:10	11/22/19 12:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1	11/22/19 11:10	11/22/19 12:52	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1.1	1	11/22/19 11:10	11/22/19 12:52	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	103-65-1	
Styrene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 12:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1	11/22/19 11:10	11/22/19 12:52	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (0.5-1.0) **Lab ID: 92454032021** Collected: 11/14/19 12:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 12:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 12:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 12:52	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1	11/22/19 11:10	11/22/19 12:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1	11/22/19 11:10	11/22/19 12:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1.5	1	11/22/19 11:10	11/22/19 12:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1.8	1	11/22/19 11:10	11/22/19 12:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	108-67-8	
Vinyl acetate	ND	ug/kg	46.0	8.1	1	11/22/19 11:10	11/22/19 12:52	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1.7	1	11/22/19 11:10	11/22/19 12:52	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 12:52	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	3.3	1	11/22/19 11:10	11/22/19 12:52	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.7	1	11/22/19 11:10	11/22/19 12:52	95-47-6	
Surrogates									
Toluene-d8 (S)	114	%	70-130		1	11/22/19 11:10	11/22/19 12:52	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	11/22/19 11:10	11/22/19 12:52	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1	11/22/19 11:10	11/22/19 12:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		11/18/19 14:37		

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (5.5-6.0) **Lab ID: 92454032022** Collected: 11/14/19 12:15 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.1	0.60	1	11/22/19 13:21	11/23/19 02:39	83-32-9	
Acenaphthylene	ND	ug/kg	12.1	0.54	1	11/22/19 13:21	11/23/19 02:39	208-96-8	
Anthracene	ND	ug/kg	12.1	0.49	1	11/22/19 13:21	11/23/19 02:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.1	0.88	1	11/22/19 13:21	11/23/19 02:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.1	0.60	1	11/22/19 13:21	11/23/19 02:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.1	0.86	1	11/22/19 13:21	11/23/19 02:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.1	1.3	1	11/22/19 13:21	11/23/19 02:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.1	0.48	1	11/22/19 13:21	11/23/19 02:39	207-08-9	
Chrysene	ND	ug/kg	12.1	0.58	1	11/22/19 13:21	11/23/19 02:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.1	1.4	1	11/22/19 13:21	11/23/19 02:39	53-70-3	
Fluoranthene	ND	ug/kg	12.1	1.5	1	11/22/19 13:21	11/23/19 02:39	206-44-0	
Fluorene	ND	ug/kg	12.1	0.51	1	11/22/19 13:21	11/23/19 02:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.1	1.1	1	11/22/19 13:21	11/23/19 02:39	193-39-5	
1-Methylnaphthalene	**1.1J**	ug/kg	12.1	0.73	1	11/22/19 13:21	11/23/19 02:39	90-12-0	
2-Methylnaphthalene	**1.5J**	ug/kg	12.1	0.73	1	11/22/19 13:21	11/23/19 02:39	91-57-6	
Naphthalene	**5.8J**	ug/kg	12.1	0.76	1	11/22/19 13:21	11/23/19 02:39	91-20-3	
Phenanthrene	**1.5J**	ug/kg	12.1	1.3	1	11/22/19 13:21	11/23/19 02:39	85-01-8	
Pyrene	ND	ug/kg	12.1	1.2	1	11/22/19 13:21	11/23/19 02:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	72	%	10-128		1	11/22/19 13:21	11/23/19 02:39	4165-60-0	
2-Fluorobiphenyl (S)	71	%	10-110		1	11/22/19 13:21	11/23/19 02:39	321-60-8	
Terphenyl-d14 (S)	64	%	39-119		1	11/22/19 13:21	11/23/19 02:39	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	385	104	1	11/22/19 15:19	11/23/19 23:18	62-53-3	
Benzoic Acid	ND	ug/kg	1930	70.0	1	11/22/19 15:19	11/23/19 23:18	65-85-0	
Benzyl alcohol	ND	ug/kg	770	77.0	1	11/22/19 15:19	11/23/19 23:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	70.0	1	11/22/19 15:19	11/23/19 23:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	81.7	1	11/22/19 15:19	11/23/19 23:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	770	79.4	1	11/22/19 15:19	11/23/19 23:18	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	107	1	11/22/19 15:19	11/23/19 23:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	89.9	1	11/22/19 15:19	11/23/19 23:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	98.0	1	11/22/19 15:19	11/23/19 23:18	111-44-4	
2-Chloronaphthalene	ND	ug/kg	385	75.9	1	11/22/19 15:19	11/23/19 23:18	91-58-7	
2-Chlorophenol	ND	ug/kg	385	105	1	11/22/19 15:19	11/23/19 23:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	79.4	1	11/22/19 15:19	11/23/19 23:18	7005-72-3	
Dibenzofuran	ND	ug/kg	385	63.0	1	11/22/19 15:19	11/23/19 23:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	385	103	1	11/22/19 15:19	11/23/19 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	385	87.5	1	11/22/19 15:19	11/23/19 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	385	109	1	11/22/19 15:19	11/23/19 23:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	84.0	1	11/22/19 15:19	11/23/19 23:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	84.0	1	11/22/19 15:19	11/23/19 23:18	120-83-2	
Diethylphthalate	ND	ug/kg	385	59.5	1	11/22/19 15:19	11/23/19 23:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	152	1	11/22/19 15:19	11/23/19 23:18	105-67-9	
Dimethylphthalate	ND	ug/kg	385	78.2	1	11/22/19 15:19	11/23/19 23:18	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (5.5-6.0) **Lab ID: 92454032022** Collected: 11/14/19 12:15 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	385	63.0	1	11/22/19 15:19	11/23/19 23:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	770	77.0	1	11/22/19 15:19	11/23/19 23:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	63.0	1	11/22/19 15:19	11/23/19 23:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	72.4	1	11/22/19 15:19	11/23/19 23:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	80.5	1	11/22/19 15:19	11/23/19 23:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	80.5	1	11/22/19 15:19	11/23/19 23:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	105	1	11/22/19 15:19	11/23/19 23:18	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	66.5	1	11/22/19 15:19	11/23/19 23:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	49.0	1	11/22/19 15:19	11/23/19 23:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	71.2	1	11/22/19 15:19	11/23/19 23:18	77-47-4	
Hexachloroethane	ND	ug/kg	385	102	1	11/22/19 15:19	11/23/19 23:18	67-72-1	
Isophorone	ND	ug/kg	385	86.4	1	11/22/19 15:19	11/23/19 23:18	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	117	1	11/22/19 15:19	11/23/19 23:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	152	1	11/22/19 15:19	11/23/19 23:18	15831-10-4	
2-Nitroaniline	ND	ug/kg	1930	119	1	11/22/19 15:19	11/23/19 23:18	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	105	1	11/22/19 15:19	11/23/19 23:18	99-09-2	
4-Nitroaniline	ND	ug/kg	770	109	1	11/22/19 15:19	11/23/19 23:18	100-01-6	
Nitrobenzene	ND	ug/kg	385	105	1	11/22/19 15:19	11/23/19 23:18	98-95-3	
2-Nitrophenol	ND	ug/kg	385	93.4	1	11/22/19 15:19	11/23/19 23:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	68.9	1	11/22/19 15:19	11/23/19 23:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	385	125	1	11/22/19 15:19	11/23/19 23:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	73.5	1	11/22/19 15:19	11/23/19 23:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	114	1	11/22/19 15:19	11/23/19 23:18	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	385	103	1	11/22/19 15:19	11/23/19 23:18	108-60-1	
Pentachlorophenol	ND	ug/kg	1930	70.0	1	11/22/19 15:19	11/23/19 23:18	87-86-5	
Phenol	ND	ug/kg	385	116	1	11/22/19 15:19	11/23/19 23:18	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	385	74.7	1	11/22/19 15:19	11/23/19 23:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	385	119	1	11/22/19 15:19	11/23/19 23:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	85.2	1	11/22/19 15:19	11/23/19 23:18	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	23-110		1	11/22/19 15:19	11/23/19 23:18	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110		1	11/22/19 15:19	11/23/19 23:18	321-60-8	
Terphenyl-d14 (S)	68	%	28-110		1	11/22/19 15:19	11/23/19 23:18	1718-51-0	
Phenol-d6 (S)	59	%	22-110		1	11/22/19 15:19	11/23/19 23:18	13127-88-3	
2-Fluorophenol (S)	59	%	13-110		1	11/22/19 15:19	11/23/19 23:18	367-12-4	
2,4,6-Tribromophenol (S)	74	%	27-110		1	11/22/19 15:19	11/23/19 23:18	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	83.4	8.3	1	11/22/19 11:10	11/22/19 13:40	67-64-1	
Benzene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 13:40	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	75-27-4	
Bromoform	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 13:40	75-25-2	
Bromomethane	ND	ug/kg	8.3	2.1	1	11/22/19 11:10	11/22/19 13:40	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (5.5-6.0) **Lab ID: 92454032022** Collected: 11/14/19 12:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	83.4	2.4	1	11/22/19 11:10	11/22/19 13:40	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 13:40	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	2.2	1	11/22/19 11:10	11/22/19 13:40	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	108-90-7	
Chloroethane	ND	ug/kg	8.3	2.0	1	11/22/19 11:10	11/22/19 13:40	75-00-3	
Chloroform	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	67-66-3	
Chloromethane	ND	ug/kg	8.3	2.0	1	11/22/19 11:10	11/22/19 13:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	3.0	1	11/22/19 11:10	11/22/19 13:40	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	106-93-4	
Dibromomethane	ND	ug/kg	4.2	2.1	1	11/22/19 11:10	11/22/19 13:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 13:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.3	3.0	1	11/22/19 11:10	11/22/19 13:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1.2	1	11/22/19 11:10	11/22/19 13:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 13:40	87-68-3	
2-Hexanone	ND	ug/kg	41.7	3.3	1	11/22/19 11:10	11/22/19 13:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	99-87-6	
Methylene Chloride	ND	ug/kg	16.7	2.5	1	11/22/19 11:10	11/22/19 13:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	41.7	3.1	1	11/22/19 11:10	11/22/19 13:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1.0	1	11/22/19 11:10	11/22/19 13:40	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	103-65-1	
Styrene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 13:40	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-39 (5.5-6.0) **Lab ID: 92454032022** Collected: 11/14/19 12:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 13:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 13:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 13:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 13:40	108-67-8	
Vinyl acetate	ND	ug/kg	41.7	7.3	1	11/22/19 11:10	11/22/19 13:40	108-05-4	
Vinyl chloride	ND	ug/kg	8.3	1.5	1	11/22/19 11:10	11/22/19 13:40	75-01-4	
Xylene (Total)	ND	ug/kg	8.3	3.0	1	11/22/19 11:10	11/22/19 13:40	1330-20-7	
m&p-Xylene	ND	ug/kg	8.3	3.0	1	11/22/19 11:10	11/22/19 13:40	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 13:40	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	70-130		1	11/22/19 11:10	11/22/19 13:40	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 13:40	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1	11/22/19 11:10	11/22/19 13:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.7**	%	0.10	0.10	1		11/18/19 14:37		

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9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (0.5-1.0) **Lab ID: 92454032023** Collected: 11/14/19 10:25 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**8.8J**	ug/kg	12.9	0.64	1	11/22/19 13:21	11/23/19 03:00	83-32-9	
Acenaphthylene	**165**	ug/kg	12.9	0.58	1	11/22/19 13:21	11/23/19 03:00	208-96-8	
Anthracene	**114**	ug/kg	12.9	0.53	1	11/22/19 13:21	11/23/19 03:00	120-12-7	
Benzo(a)anthracene	**376**	ug/kg	12.9	0.94	1	11/22/19 13:21	11/23/19 03:00	56-55-3	
Benzo(a)pyrene	**354**	ug/kg	12.9	0.64	1	11/22/19 13:21	11/23/19 03:00	50-32-8	
Benzo(b)fluoranthene	**442**	ug/kg	12.9	0.92	1	11/22/19 13:21	11/23/19 03:00	205-99-2	
Benzo(g,h,i)perylene	**206**	ug/kg	12.9	1.4	1	11/22/19 13:21	11/23/19 03:00	191-24-2	
Benzo(k)fluoranthene	**184**	ug/kg	12.9	0.51	1	11/22/19 13:21	11/23/19 03:00	207-08-9	
Chrysene	**342**	ug/kg	12.9	0.62	1	11/22/19 13:21	11/23/19 03:00	218-01-9	
Dibenz(a,h)anthracene	**63.8**	ug/kg	12.9	1.4	1	11/22/19 13:21	11/23/19 03:00	53-70-3	
Fluoranthene	**489**	ug/kg	12.9	1.6	1	11/22/19 13:21	11/23/19 03:00	206-44-0	
Fluorene	**32.2**	ug/kg	12.9	0.55	1	11/22/19 13:21	11/23/19 03:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**182**	ug/kg	12.9	1.1	1	11/22/19 13:21	11/23/19 03:00	193-39-5	
1-Methylnaphthalene	**15.2**	ug/kg	12.9	0.78	1	11/22/19 13:21	11/23/19 03:00	90-12-0	
2-Methylnaphthalene	**25.2**	ug/kg	12.9	0.78	1	11/22/19 13:21	11/23/19 03:00	91-57-6	
Naphthalene	**55.2**	ug/kg	12.9	0.82	1	11/22/19 13:21	11/23/19 03:00	91-20-3	
Phenanthrene	**213**	ug/kg	12.9	1.4	1	11/22/19 13:21	11/23/19 03:00	85-01-8	
Pyrene	**575**	ug/kg	12.9	1.3	1	11/22/19 13:21	11/23/19 03:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	10-128		1	11/22/19 13:21	11/23/19 03:00	4165-60-0	
2-Fluorobiphenyl (S)	79	%	10-110		1	11/22/19 13:21	11/23/19 03:00	321-60-8	
Terphenyl-d14 (S)	88	%	39-119		1	11/22/19 13:21	11/23/19 03:00	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	423	114	1	11/22/19 15:19	11/23/19 23:51	62-53-3	
Benzoic Acid	ND	ug/kg	2120	76.9	1	11/22/19 15:19	11/23/19 23:51	65-85-0	
Benzyl alcohol	ND	ug/kg	846	84.6	1	11/22/19 15:19	11/23/19 23:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	423	76.9	1	11/22/19 15:19	11/23/19 23:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	423	89.7	1	11/22/19 15:19	11/23/19 23:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	846	87.2	1	11/22/19 15:19	11/23/19 23:51	59-50-7	
4-Chloroaniline	ND	ug/kg	2120	118	1	11/22/19 15:19	11/23/19 23:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	423	98.7	1	11/22/19 15:19	11/23/19 23:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	423	108	1	11/22/19 15:19	11/23/19 23:51	111-44-4	
2-Chloronaphthalene	ND	ug/kg	423	83.3	1	11/22/19 15:19	11/23/19 23:51	91-58-7	
2-Chlorophenol	ND	ug/kg	423	115	1	11/22/19 15:19	11/23/19 23:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	423	87.2	1	11/22/19 15:19	11/23/19 23:51	7005-72-3	
Dibenzofuran	ND	ug/kg	423	69.2	1	11/22/19 15:19	11/23/19 23:51	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	423	113	1	11/22/19 15:19	11/23/19 23:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	423	96.2	1	11/22/19 15:19	11/23/19 23:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	423	119	1	11/22/19 15:19	11/23/19 23:51	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2120	92.3	1	11/22/19 15:19	11/23/19 23:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	423	92.3	1	11/22/19 15:19	11/23/19 23:51	120-83-2	
Diethylphthalate	ND	ug/kg	423	65.4	1	11/22/19 15:19	11/23/19 23:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	423	167	1	11/22/19 15:19	11/23/19 23:51	105-67-9	
Dimethylphthalate	ND	ug/kg	423	85.9	1	11/22/19 15:19	11/23/19 23:51	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (0.5-1.0) **Lab ID: 92454032023** Collected: 11/14/19 10:25 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	423	69.2	1	11/22/19 15:19	11/23/19 23:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	846	84.6	1	11/22/19 15:19	11/23/19 23:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2120	69.2	1	11/22/19 15:19	11/23/19 23:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	423	79.5	1	11/22/19 15:19	11/23/19 23:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	423	88.5	1	11/22/19 15:19	11/23/19 23:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	423	88.5	1	11/22/19 15:19	11/23/19 23:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	423	115	1	11/22/19 15:19	11/23/19 23:51	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	423	73.1	1	11/22/19 15:19	11/23/19 23:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	423	53.8	1	11/22/19 15:19	11/23/19 23:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	423	78.2	1	11/22/19 15:19	11/23/19 23:51	77-47-4	
Hexachloroethane	ND	ug/kg	423	112	1	11/22/19 15:19	11/23/19 23:51	67-72-1	
Isophorone	ND	ug/kg	423	94.9	1	11/22/19 15:19	11/23/19 23:51	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	423	128	1	11/22/19 15:19	11/23/19 23:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	423	167	1	11/22/19 15:19	11/23/19 23:51	15831-10-4	
2-Nitroaniline	ND	ug/kg	2120	131	1	11/22/19 15:19	11/23/19 23:51	88-74-4	
3-Nitroaniline	ND	ug/kg	2120	115	1	11/22/19 15:19	11/23/19 23:51	99-09-2	
4-Nitroaniline	ND	ug/kg	846	119	1	11/22/19 15:19	11/23/19 23:51	100-01-6	
Nitrobenzene	ND	ug/kg	423	115	1	11/22/19 15:19	11/23/19 23:51	98-95-3	
2-Nitrophenol	ND	ug/kg	423	103	1	11/22/19 15:19	11/23/19 23:51	88-75-5	
4-Nitrophenol	ND	ug/kg	2120	75.6	1	11/22/19 15:19	11/23/19 23:51	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	423	137	1	11/22/19 15:19	11/23/19 23:51	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	423	80.8	1	11/22/19 15:19	11/23/19 23:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	423	126	1	11/22/19 15:19	11/23/19 23:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	423	113	1	11/22/19 15:19	11/23/19 23:51	108-60-1	
Pentachlorophenol	ND	ug/kg	2120	76.9	1	11/22/19 15:19	11/23/19 23:51	87-86-5	
Phenol	ND	ug/kg	423	127	1	11/22/19 15:19	11/23/19 23:51	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	423	82.1	1	11/22/19 15:19	11/23/19 23:51	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	423	131	1	11/22/19 15:19	11/23/19 23:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	423	93.6	1	11/22/19 15:19	11/23/19 23:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	23-110		1	11/22/19 15:19	11/23/19 23:51	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-110		1	11/22/19 15:19	11/23/19 23:51	321-60-8	
Terphenyl-d14 (S)	70	%	28-110		1	11/22/19 15:19	11/23/19 23:51	1718-51-0	
Phenol-d6 (S)	58	%	22-110		1	11/22/19 15:19	11/23/19 23:51	13127-88-3	
2-Fluorophenol (S)	54	%	13-110		1	11/22/19 15:19	11/23/19 23:51	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110		1	11/22/19 15:19	11/23/19 23:51	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	126	12.6	1	11/22/19 11:10	11/22/19 14:51	67-64-1	
Benzene	ND	ug/kg	6.3	2.0	1	11/22/19 11:10	11/22/19 14:51	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.5	1	11/22/19 11:10	11/22/19 14:51	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	75-27-4	
Bromoform	ND	ug/kg	6.3	2.9	1	11/22/19 11:10	11/22/19 14:51	75-25-2	
Bromomethane	ND	ug/kg	12.6	3.1	1	11/22/19 11:10	11/22/19 14:51	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (0.5-1.0) **Lab ID: 92454032023** Collected: 11/14/19 10:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	126	3.6	1	11/22/19 11:10	11/22/19 14:51	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.0	1	11/22/19 11:10	11/22/19 14:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.5	1	11/22/19 11:10	11/22/19 14:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	3.3	1	11/22/19 11:10	11/22/19 14:51	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	108-90-7	
Chloroethane	ND	ug/kg	12.6	3.0	1	11/22/19 11:10	11/22/19 14:51	75-00-3	
Chloroform	ND	ug/kg	6.3	2.0	1	11/22/19 11:10	11/22/19 14:51	67-66-3	
Chloromethane	ND	ug/kg	12.6	3.0	1	11/22/19 11:10	11/22/19 14:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	4.5	1	11/22/19 11:10	11/22/19 14:51	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	106-93-4	
Dibromomethane	ND	ug/kg	6.3	3.1	1	11/22/19 11:10	11/22/19 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	2.5	1	11/22/19 11:10	11/22/19 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	4.5	1	11/22/19 11:10	11/22/19 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.3	1.9	1	11/22/19 11:10	11/22/19 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	2.8	1	11/22/19 11:10	11/22/19 14:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	1.8	1	11/22/19 11:10	11/22/19 14:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	1.9	1	11/22/19 11:10	11/22/19 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	1.9	1	11/22/19 11:10	11/22/19 14:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	108-20-3	
Ethylbenzene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	2.5	1	11/22/19 11:10	11/22/19 14:51	87-68-3	
2-Hexanone	ND	ug/kg	62.8	4.9	1	11/22/19 11:10	11/22/19 14:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	99-87-6	
Methylene Chloride	ND	ug/kg	25.1	3.8	1	11/22/19 11:10	11/22/19 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.8	4.6	1	11/22/19 11:10	11/22/19 14:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	1.9	1	11/22/19 11:10	11/22/19 14:51	1634-04-4	
Naphthalene	ND	ug/kg	6.3	1.5	1	11/22/19 11:10	11/22/19 14:51	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	103-65-1	
Styrene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.6	1	11/22/19 11:10	11/22/19 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.1	1	11/22/19 11:10	11/22/19 14:51	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (0.5-1.0) **Lab ID: 92454032023** Collected: 11/14/19 10:25 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	2.8	1	11/22/19 11:10	11/22/19 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	2.0	1	11/22/19 11:10	11/22/19 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.6	1	11/22/19 11:10	11/22/19 14:51	79-00-5	
Trichloroethene	ND	ug/kg	6.3	2.6	1	11/22/19 11:10	11/22/19 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	2.8	1	11/22/19 11:10	11/22/19 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	2.0	1	11/22/19 11:10	11/22/19 14:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	2.5	1	11/22/19 11:10	11/22/19 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.3	1	11/22/19 11:10	11/22/19 14:51	108-67-8	
Vinyl acetate	ND	ug/kg	62.8	11.1	1	11/22/19 11:10	11/22/19 14:51	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	2.3	1	11/22/19 11:10	11/22/19 14:51	75-01-4	
Xylene (Total)	ND	ug/kg	12.6	4.5	1	11/22/19 11:10	11/22/19 14:51	1330-20-7	
m&p-Xylene	ND	ug/kg	12.6	4.5	1	11/22/19 11:10	11/22/19 14:51	179601-23-1	
o-Xylene	ND	ug/kg	6.3	2.4	1	11/22/19 11:10	11/22/19 14:51	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1	11/22/19 11:10	11/22/19 14:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 14:51	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1	11/22/19 11:10	11/22/19 14:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.5**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (5.5-6.0) **Lab ID: 92454032024** Collected: 11/14/19 10:30 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.3J**	ug/kg	11.3	0.56	1	11/22/19 13:21	11/23/19 03:21	83-32-9	
Acenaphthylene	**5.7J**	ug/kg	11.3	0.51	1	11/22/19 13:21	11/23/19 03:21	208-96-8	
Anthracene	**10.2J**	ug/kg	11.3	0.46	1	11/22/19 13:21	11/23/19 03:21	120-12-7	
Benzo(a)anthracene	**6.8J**	ug/kg	11.3	0.82	1	11/22/19 13:21	11/23/19 03:21	56-55-3	
Benzo(a)pyrene	**6.8J**	ug/kg	11.3	0.56	1	11/22/19 13:21	11/23/19 03:21	50-32-8	
Benzo(b)fluoranthene	**7.7J**	ug/kg	11.3	0.80	1	11/22/19 13:21	11/23/19 03:21	205-99-2	
Benzo(g,h,i)perylene	**4.6J**	ug/kg	11.3	1.2	1	11/22/19 13:21	11/23/19 03:21	191-24-2	
Benzo(k)fluoranthene	**3.0J**	ug/kg	11.3	0.45	1	11/22/19 13:21	11/23/19 03:21	207-08-9	
Chrysene	**5.8J**	ug/kg	11.3	0.54	1	11/22/19 13:21	11/23/19 03:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	1.3	1	11/22/19 13:21	11/23/19 03:21	53-70-3	
Fluoranthene	**20.7**	ug/kg	11.3	1.4	1	11/22/19 13:21	11/23/19 03:21	206-44-0	
Fluorene	**8.1J**	ug/kg	11.3	0.48	1	11/22/19 13:21	11/23/19 03:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**4.0J**	ug/kg	11.3	1.0	1	11/22/19 13:21	11/23/19 03:21	193-39-5	
1-Methylnaphthalene	**7.4J**	ug/kg	11.3	0.68	1	11/22/19 13:21	11/23/19 03:21	90-12-0	
2-Methylnaphthalene	**9.8J**	ug/kg	11.3	0.68	1	11/22/19 13:21	11/23/19 03:21	91-57-6	
Naphthalene	**18.5**	ug/kg	11.3	0.71	1	11/22/19 13:21	11/23/19 03:21	91-20-3	
Phenanthrene	**32.0**	ug/kg	11.3	1.2	1	11/22/19 13:21	11/23/19 03:21	85-01-8	
Pyrene	**18.5**	ug/kg	11.3	1.2	1	11/22/19 13:21	11/23/19 03:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/19 13:21	11/23/19 03:21	4165-60-0	
2-Fluorobiphenyl (S)	77	%	10-110		1	11/22/19 13:21	11/23/19 03:21	321-60-8	
Terphenyl-d14 (S)	80	%	39-119		1	11/22/19 13:21	11/23/19 03:21	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	379	102	1	11/22/19 15:19	11/24/19 00:26	62-53-3	
Benzoic Acid	ND	ug/kg	1900	68.9	1	11/22/19 15:19	11/24/19 00:26	65-85-0	
Benzyl alcohol	ND	ug/kg	758	75.8	1	11/22/19 15:19	11/24/19 00:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	379	68.9	1	11/22/19 15:19	11/24/19 00:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.4	1	11/22/19 15:19	11/24/19 00:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	758	78.1	1	11/22/19 15:19	11/24/19 00:26	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	106	1	11/22/19 15:19	11/24/19 00:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.4	1	11/22/19 15:19	11/24/19 00:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.5	1	11/22/19 15:19	11/24/19 00:26	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.7	1	11/22/19 15:19	11/24/19 00:26	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	11/22/19 15:19	11/24/19 00:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.1	1	11/22/19 15:19	11/24/19 00:26	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.0	1	11/22/19 15:19	11/24/19 00:26	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	379	101	1	11/22/19 15:19	11/24/19 00:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	379	86.2	1	11/22/19 15:19	11/24/19 00:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	379	107	1	11/22/19 15:19	11/24/19 00:26	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	82.7	1	11/22/19 15:19	11/24/19 00:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.7	1	11/22/19 15:19	11/24/19 00:26	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.6	1	11/22/19 15:19	11/24/19 00:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	11/22/19 15:19	11/24/19 00:26	105-67-9	
Dimethylphthalate	ND	ug/kg	379	77.0	1	11/22/19 15:19	11/24/19 00:26	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (5.5-6.0) **Lab ID: 92454032024** Collected: 11/14/19 10:30 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	379	62.0	1	11/22/19 15:19	11/24/19 00:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	758	75.8	1	11/22/19 15:19	11/24/19 00:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	62.0	1	11/22/19 15:19	11/24/19 00:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.2	1	11/22/19 15:19	11/24/19 00:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.3	1	11/22/19 15:19	11/24/19 00:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.3	1	11/22/19 15:19	11/24/19 00:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	11/22/19 15:19	11/24/19 00:26	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.5	1	11/22/19 15:19	11/24/19 00:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.2	1	11/22/19 15:19	11/24/19 00:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.1	1	11/22/19 15:19	11/24/19 00:26	77-47-4	
Hexachloroethane	ND	ug/kg	379	99.9	1	11/22/19 15:19	11/24/19 00:26	67-72-1	
Isophorone	ND	ug/kg	379	85.0	1	11/22/19 15:19	11/24/19 00:26	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	11/22/19 15:19	11/24/19 00:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	11/22/19 15:19	11/24/19 00:26	15831-10-4	
2-Nitroaniline	ND	ug/kg	1900	117	1	11/22/19 15:19	11/24/19 00:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	103	1	11/22/19 15:19	11/24/19 00:26	99-09-2	
4-Nitroaniline	ND	ug/kg	758	107	1	11/22/19 15:19	11/24/19 00:26	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	11/22/19 15:19	11/24/19 00:26	98-95-3	
2-Nitrophenol	ND	ug/kg	379	91.9	1	11/22/19 15:19	11/24/19 00:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	67.8	1	11/22/19 15:19	11/24/19 00:26	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	379	123	1	11/22/19 15:19	11/24/19 00:26	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.4	1	11/22/19 15:19	11/24/19 00:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	113	1	11/22/19 15:19	11/24/19 00:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	11/22/19 15:19	11/24/19 00:26	108-60-1	
Pentachlorophenol	ND	ug/kg	1900	68.9	1	11/22/19 15:19	11/24/19 00:26	87-86-5	
Phenol	ND	ug/kg	379	114	1	11/22/19 15:19	11/24/19 00:26	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	379	73.5	1	11/22/19 15:19	11/24/19 00:26	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	11/22/19 15:19	11/24/19 00:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.9	1	11/22/19 15:19	11/24/19 00:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%	23-110		1	11/22/19 15:19	11/24/19 00:26	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-110		1	11/22/19 15:19	11/24/19 00:26	321-60-8	
Terphenyl-d14 (S)	66	%	28-110		1	11/22/19 15:19	11/24/19 00:26	1718-51-0	
Phenol-d6 (S)	56	%	22-110		1	11/22/19 15:19	11/24/19 00:26	13127-88-3	
2-Fluorophenol (S)	56	%	13-110		1	11/22/19 15:19	11/24/19 00:26	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110		1	11/22/19 15:19	11/24/19 00:26	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	84.8	8.5	1	11/22/19 11:10	11/22/19 15:17	67-64-1	
Benzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 15:17	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	75-27-4	
Bromoform	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 15:17	75-25-2	
Bromomethane	ND	ug/kg	8.5	2.1	1	11/22/19 11:10	11/22/19 15:17	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (5.5-6.0) **Lab ID: 92454032024** Collected: 11/14/19 10:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	84.8	2.5	1	11/22/19 11:10	11/22/19 15:17	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 15:17	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	2.2	1	11/22/19 11:10	11/22/19 15:17	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	108-90-7	
Chloroethane	ND	ug/kg	8.5	2.0	1	11/22/19 11:10	11/22/19 15:17	75-00-3	
Chloroform	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	67-66-3	
Chloromethane	ND	ug/kg	8.5	2.0	1	11/22/19 11:10	11/22/19 15:17	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	3.1	1	11/22/19 11:10	11/22/19 15:17	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	106-93-4	
Dibromomethane	ND	ug/kg	4.2	2.1	1	11/22/19 11:10	11/22/19 15:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 15:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 15:17	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 15:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 15:17	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1.2	1	11/22/19 11:10	11/22/19 15:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 15:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 15:17	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 15:17	87-68-3	
2-Hexanone	ND	ug/kg	42.4	3.3	1	11/22/19 11:10	11/22/19 15:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	2.5	1	11/22/19 11:10	11/22/19 15:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.4	3.1	1	11/22/19 11:10	11/22/19 15:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1.3	1	11/22/19 11:10	11/22/19 15:17	1634-04-4	
Naphthalene	**3.4J**	ug/kg	4.2	1.0	1	11/22/19 11:10	11/22/19 15:17	91-20-3	B
n-Propylbenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	103-65-1	
Styrene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 15:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-40 (5.5-6.0) **Lab ID: 92454032024** Collected: 11/14/19 10:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 15:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 15:17	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1.8	1	11/22/19 11:10	11/22/19 15:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1.9	1	11/22/19 11:10	11/22/19 15:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1.4	1	11/22/19 11:10	11/22/19 15:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1.7	1	11/22/19 11:10	11/22/19 15:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1.5	1	11/22/19 11:10	11/22/19 15:17	108-67-8	
Vinyl acetate	ND	ug/kg	42.4	7.5	1	11/22/19 11:10	11/22/19 15:17	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1.5	1	11/22/19 11:10	11/22/19 15:17	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 15:17	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	3.1	1	11/22/19 11:10	11/22/19 15:17	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1.6	1	11/22/19 11:10	11/22/19 15:17	95-47-6	
Surrogates									
Toluene-d8 (S)	121	%	70-130		1	11/22/19 11:10	11/22/19 15:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 15:17	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1	11/22/19 11:10	11/22/19 15:17	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (0.5-1.0) **Lab ID: 92454032025** Collected: 11/14/19 10:15 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 10:19	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	0.53	1	11/22/19 13:21	11/23/19 10:19	208-96-8	
Anthracene	**0.52J**	ug/kg	11.8	0.48	1	11/22/19 13:21	11/23/19 10:19	120-12-7	
Benzo(a)anthracene	**2.3J**	ug/kg	11.8	0.86	1	11/22/19 13:21	11/23/19 10:19	56-55-3	
Benzo(a)pyrene	**2.3J**	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 10:19	50-32-8	
Benzo(b)fluoranthene	**2.5J**	ug/kg	11.8	0.84	1	11/22/19 13:21	11/23/19 10:19	205-99-2	
Benzo(g,h,i)perylene	**3.0J**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 10:19	191-24-2	
Benzo(k)fluoranthene	**3.0J**	ug/kg	11.8	0.47	1	11/22/19 13:21	11/23/19 10:19	207-08-9	
Chrysene	**3.4J**	ug/kg	11.8	0.57	1	11/22/19 13:21	11/23/19 10:19	218-01-9	
Dibenz(a,h)anthracene	**3.8J**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 10:19	53-70-3	
Fluoranthene	ND	ug/kg	11.8	1.5	1	11/22/19 13:21	11/23/19 10:19	206-44-0	
Fluorene	ND	ug/kg	11.8	0.50	1	11/22/19 13:21	11/23/19 10:19	86-73-7	
Indeno(1,2,3-cd)pyrene	**3.3J**	ug/kg	11.8	1.0	1	11/22/19 13:21	11/23/19 10:19	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 10:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 10:19	91-57-6	
Naphthalene	ND	ug/kg	11.8	0.75	1	11/22/19 13:21	11/23/19 10:19	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 10:19	85-01-8	
Pyrene	**1.3J**	ug/kg	11.8	1.2	1	11/22/19 13:21	11/23/19 10:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	10-128		1	11/22/19 13:21	11/23/19 10:19	4165-60-0	
2-Fluorobiphenyl (S)	74	%	10-110		1	11/22/19 13:21	11/23/19 10:19	321-60-8	
Terphenyl-d14 (S)	75	%	39-119		1	11/22/19 13:21	11/23/19 10:19	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	397	107	1	11/22/19 15:19	11/24/19 09:41	62-53-3	
Benzoic Acid	ND	ug/kg	1990	72.3	1	11/22/19 15:19	11/24/19 09:41	65-85-0	
Benzyl alcohol	ND	ug/kg	795	79.5	1	11/22/19 15:19	11/24/19 09:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.3	1	11/22/19 15:19	11/24/19 09:41	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.3	1	11/22/19 15:19	11/24/19 09:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	795	81.9	1	11/22/19 15:19	11/24/19 09:41	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/19 15:19	11/24/19 09:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.7	1	11/22/19 15:19	11/24/19 09:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/19 15:19	11/24/19 09:41	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.3	1	11/22/19 15:19	11/24/19 09:41	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/19 15:19	11/24/19 09:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.9	1	11/22/19 15:19	11/24/19 09:41	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/19 15:19	11/24/19 09:41	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	397	106	1	11/22/19 15:19	11/24/19 09:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	397	90.3	1	11/22/19 15:19	11/24/19 09:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	397	112	1	11/22/19 15:19	11/24/19 09:41	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.7	1	11/22/19 15:19	11/24/19 09:41	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.7	1	11/22/19 15:19	11/24/19 09:41	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.4	1	11/22/19 15:19	11/24/19 09:41	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	157	1	11/22/19 15:19	11/24/19 09:41	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.7	1	11/22/19 15:19	11/24/19 09:41	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (0.5-1.0) **Lab ID: 92454032025** Collected: 11/14/19 10:15 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/19 15:19	11/24/19 09:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	79.5	1	11/22/19 15:19	11/24/19 09:41	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.0	1	11/22/19 15:19	11/24/19 09:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.7	1	11/22/19 15:19	11/24/19 09:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.1	1	11/22/19 15:19	11/24/19 09:41	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.1	1	11/22/19 15:19	11/24/19 09:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/19 15:19	11/24/19 09:41	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.7	1	11/22/19 15:19	11/24/19 09:41	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.6	1	11/22/19 15:19	11/24/19 09:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.5	1	11/22/19 15:19	11/24/19 09:41	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/19 15:19	11/24/19 09:41	67-72-1	
Isophorone	ND	ug/kg	397	89.1	1	11/22/19 15:19	11/24/19 09:41	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/19 15:19	11/24/19 09:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	157	1	11/22/19 15:19	11/24/19 09:41	15831-10-4	
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/19 15:19	11/24/19 09:41	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/19 15:19	11/24/19 09:41	99-09-2	
4-Nitroaniline	ND	ug/kg	795	112	1	11/22/19 15:19	11/24/19 09:41	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/19 15:19	11/24/19 09:41	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.4	1	11/22/19 15:19	11/24/19 09:41	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.1	1	11/22/19 15:19	11/24/19 09:41	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	397	129	1	11/22/19 15:19	11/24/19 09:41	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.9	1	11/22/19 15:19	11/24/19 09:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/19 15:19	11/24/19 09:41	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/19 15:19	11/24/19 09:41	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.3	1	11/22/19 15:19	11/24/19 09:41	87-86-5	
Phenol	ND	ug/kg	397	119	1	11/22/19 15:19	11/24/19 09:41	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	397	77.1	1	11/22/19 15:19	11/24/19 09:41	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/19 15:19	11/24/19 09:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.9	1	11/22/19 15:19	11/24/19 09:41	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	23-110		1	11/22/19 15:19	11/24/19 09:41	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-110		1	11/22/19 15:19	11/24/19 09:41	321-60-8	
Terphenyl-d14 (S)	62	%	28-110		1	11/22/19 15:19	11/24/19 09:41	1718-51-0	
Phenol-d6 (S)	62	%	22-110		1	11/22/19 15:19	11/24/19 09:41	13127-88-3	
2-Fluorophenol (S)	61	%	13-110		1	11/22/19 15:19	11/24/19 09:41	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110		1	11/22/19 15:19	11/24/19 09:41	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**26.2J**	ug/kg	94.5	9.5	1	11/22/19 11:10	11/22/19 15:42	67-64-1	
Benzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 15:42	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 15:42	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	75-27-4	
Bromoform	ND	ug/kg	4.7	2.2	1	11/22/19 11:10	11/22/19 15:42	75-25-2	
Bromomethane	ND	ug/kg	9.5	2.4	1	11/22/19 11:10	11/22/19 15:42	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (0.5-1.0) **Lab ID: 92454032025** Collected: 11/14/19 10:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	94.5	2.7	1	11/22/19 11:10	11/22/19 15:42	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 15:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 15:42	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.7	2.5	1	11/22/19 11:10	11/22/19 15:42	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	108-90-7	
Chloroethane	ND	ug/kg	9.5	2.3	1	11/22/19 11:10	11/22/19 15:42	75-00-3	
Chloroform	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 15:42	67-66-3	
Chloromethane	ND	ug/kg	9.5	2.3	1	11/22/19 11:10	11/22/19 15:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	3.4	1	11/22/19 11:10	11/22/19 15:42	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	106-93-4	
Dibromomethane	ND	ug/kg	4.7	2.4	1	11/22/19 11:10	11/22/19 15:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 15:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 15:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 15:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 15:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1.3	1	11/22/19 11:10	11/22/19 15:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 15:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 15:42	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 15:42	87-68-3	
2-Hexanone	ND	ug/kg	47.3	3.7	1	11/22/19 11:10	11/22/19 15:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	99-87-6	
Methylene Chloride	ND	ug/kg	18.9	2.8	1	11/22/19 11:10	11/22/19 15:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.3	3.5	1	11/22/19 11:10	11/22/19 15:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 15:42	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1.1	1	11/22/19 11:10	11/22/19 15:42	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	103-65-1	
Styrene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 15:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 15:42	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (0.5-1.0) **Lab ID: 92454032025** Collected: 11/14/19 10:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 15:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 15:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 15:42	79-00-5	
Trichloroethene	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 15:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 15:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 15:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 15:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 15:42	108-67-8	
Vinyl acetate	ND	ug/kg	47.3	8.3	1	11/22/19 11:10	11/22/19 15:42	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1.7	1	11/22/19 11:10	11/22/19 15:42	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 15:42	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 15:42	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 15:42	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	70-130		1	11/22/19 11:10	11/22/19 15:42	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	11/22/19 11:10	11/22/19 15:42	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1	11/22/19 11:10	11/22/19 15:42	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (5.5-6.0) **Lab ID: 92454032026** Collected: 11/14/19 10:20 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**6.2J**	ug/kg	11.6	0.58	1	11/22/19 13:21	11/23/19 10:40	83-32-9	
Acenaphthylene	**1.5J**	ug/kg	11.6	0.52	1	11/22/19 13:21	11/23/19 10:40	208-96-8	
Anthracene	**6.2J**	ug/kg	11.6	0.47	1	11/22/19 13:21	11/23/19 10:40	120-12-7	
Benzo(a)anthracene	**6.8J**	ug/kg	11.6	0.84	1	11/22/19 13:21	11/23/19 10:40	56-55-3	
Benzo(a)pyrene	**5.2J**	ug/kg	11.6	0.58	1	11/22/19 13:21	11/23/19 10:40	50-32-8	
Benzo(b)fluoranthene	**8.7J**	ug/kg	11.6	0.83	1	11/22/19 13:21	11/23/19 10:40	205-99-2	
Benzo(g,h,i)perylene	**4.8J**	ug/kg	11.6	1.3	1	11/22/19 13:21	11/23/19 10:40	191-24-2	
Benzo(k)fluoranthene	**3.2J**	ug/kg	11.6	0.46	1	11/22/19 13:21	11/23/19 10:40	207-08-9	
Chrysene	**8.0J**	ug/kg	11.6	0.56	1	11/22/19 13:21	11/23/19 10:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	1.3	1	11/22/19 13:21	11/23/19 10:40	53-70-3	
Fluoranthene	**20.0**	ug/kg	11.6	1.5	1	11/22/19 13:21	11/23/19 10:40	206-44-0	
Fluorene	**5.0J**	ug/kg	11.6	0.49	1	11/22/19 13:21	11/23/19 10:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**3.8J**	ug/kg	11.6	1.0	1	11/22/19 13:21	11/23/19 10:40	193-39-5	
1-Methylnaphthalene	**4.4J**	ug/kg	11.6	0.70	1	11/22/19 13:21	11/23/19 10:40	90-12-0	
2-Methylnaphthalene	**3.3J**	ug/kg	11.6	0.70	1	11/22/19 13:21	11/23/19 10:40	91-57-6	
Naphthalene	**8.2J**	ug/kg	11.6	0.73	1	11/22/19 13:21	11/23/19 10:40	91-20-3	
Phenanthrene	**21.4**	ug/kg	11.6	1.3	1	11/22/19 13:21	11/23/19 10:40	85-01-8	
Pyrene	**18.2**	ug/kg	11.6	1.2	1	11/22/19 13:21	11/23/19 10:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	10-128		1	11/22/19 13:21	11/23/19 10:40	4165-60-0	
2-Fluorobiphenyl (S)	61	%	10-110		1	11/22/19 13:21	11/23/19 10:40	321-60-8	
Terphenyl-d14 (S)	60	%	39-119		1	11/22/19 13:21	11/23/19 10:40	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	379	102	1	11/22/19 15:19	11/23/19 19:51	62-53-3	
Benzoic Acid	ND	ug/kg	1890	68.9	1	11/22/19 15:19	11/23/19 19:51	65-85-0	
Benzyl alcohol	ND	ug/kg	758	75.8	1	11/22/19 15:19	11/23/19 19:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	379	68.9	1	11/22/19 15:19	11/23/19 19:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.4	1	11/22/19 15:19	11/23/19 19:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	758	78.1	1	11/22/19 15:19	11/23/19 19:51	59-50-7	
4-Chloroaniline	ND	ug/kg	1890	106	1	11/22/19 15:19	11/23/19 19:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.4	1	11/22/19 15:19	11/23/19 19:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.4	1	11/22/19 15:19	11/23/19 19:51	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.6	1	11/22/19 15:19	11/23/19 19:51	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	11/22/19 15:19	11/23/19 19:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.1	1	11/22/19 15:19	11/23/19 19:51	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.0	1	11/22/19 15:19	11/23/19 19:51	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	379	101	1	11/22/19 15:19	11/23/19 19:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	379	86.1	1	11/22/19 15:19	11/23/19 19:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	379	107	1	11/22/19 15:19	11/23/19 19:51	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1890	82.6	1	11/22/19 15:19	11/23/19 19:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.6	1	11/22/19 15:19	11/23/19 19:51	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.5	1	11/22/19 15:19	11/23/19 19:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	11/22/19 15:19	11/23/19 19:51	105-67-9	
Dimethylphthalate	ND	ug/kg	379	76.9	1	11/22/19 15:19	11/23/19 19:51	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (5.5-6.0) **Lab ID: 92454032026** Collected: 11/14/19 10:20 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	379	62.0	1	11/22/19 15:19	11/23/19 19:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	758	75.8	1	11/22/19 15:19	11/23/19 19:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	62.0	1	11/22/19 15:19	11/23/19 19:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.2	1	11/22/19 15:19	11/23/19 19:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.2	1	11/22/19 15:19	11/23/19 19:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.2	1	11/22/19 15:19	11/23/19 19:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	11/22/19 15:19	11/23/19 19:51	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.4	1	11/22/19 15:19	11/23/19 19:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.2	1	11/22/19 15:19	11/23/19 19:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.0	1	11/22/19 15:19	11/23/19 19:51	77-47-4	v1
Hexachloroethane	ND	ug/kg	379	99.9	1	11/22/19 15:19	11/23/19 19:51	67-72-1	
Isophorone	ND	ug/kg	379	84.9	1	11/22/19 15:19	11/23/19 19:51	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	11/22/19 15:19	11/23/19 19:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	11/22/19 15:19	11/23/19 19:51	15831-10-4	
2-Nitroaniline	ND	ug/kg	1890	117	1	11/22/19 15:19	11/23/19 19:51	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	103	1	11/22/19 15:19	11/23/19 19:51	99-09-2	
4-Nitroaniline	ND	ug/kg	758	107	1	11/22/19 15:19	11/23/19 19:51	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	11/22/19 15:19	11/23/19 19:51	98-95-3	
2-Nitrophenol	ND	ug/kg	379	91.8	1	11/22/19 15:19	11/23/19 19:51	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	67.7	1	11/22/19 15:19	11/23/19 19:51	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	379	123	1	11/22/19 15:19	11/23/19 19:51	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.3	1	11/22/19 15:19	11/23/19 19:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	112	1	11/22/19 15:19	11/23/19 19:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	11/22/19 15:19	11/23/19 19:51	108-60-1	
Pentachlorophenol	ND	ug/kg	1890	68.9	1	11/22/19 15:19	11/23/19 19:51	87-86-5	
Phenol	ND	ug/kg	379	114	1	11/22/19 15:19	11/23/19 19:51	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	379	73.5	1	11/22/19 15:19	11/23/19 19:51	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	11/22/19 15:19	11/23/19 19:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.8	1	11/22/19 15:19	11/23/19 19:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	23-110		1	11/22/19 15:19	11/23/19 19:51	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-110		1	11/22/19 15:19	11/23/19 19:51	321-60-8	
Terphenyl-d14 (S)	58	%	28-110		1	11/22/19 15:19	11/23/19 19:51	1718-51-0	
Phenol-d6 (S)	70	%	22-110		1	11/22/19 15:19	11/23/19 19:51	13127-88-3	
2-Fluorophenol (S)	71	%	13-110		1	11/22/19 15:19	11/23/19 19:51	367-12-4	
2,4,6-Tribromophenol (S)	69	%	27-110		1	11/22/19 15:19	11/23/19 19:51	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	88.8	8.9	1	11/22/19 11:10	11/22/19 16:08	67-64-1	
Benzene	ND	ug/kg	4.4	1.4	1	11/22/19 11:10	11/22/19 16:08	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1.8	1	11/22/19 11:10	11/22/19 16:08	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	75-27-4	
Bromoform	ND	ug/kg	4.4	2.0	1	11/22/19 11:10	11/22/19 16:08	75-25-2	
Bromomethane	ND	ug/kg	8.9	2.2	1	11/22/19 11:10	11/22/19 16:08	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (5.5-6.0) **Lab ID: 92454032026** Collected: 11/14/19 10:20 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	88.8	2.6	1	11/22/19 11:10	11/22/19 16:08	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1.4	1	11/22/19 11:10	11/22/19 16:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1.8	1	11/22/19 11:10	11/22/19 16:08	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.4	2.3	1	11/22/19 11:10	11/22/19 16:08	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	108-90-7	
Chloroethane	ND	ug/kg	8.9	2.1	1	11/22/19 11:10	11/22/19 16:08	75-00-3	
Chloroform	ND	ug/kg	4.4	1.4	1	11/22/19 11:10	11/22/19 16:08	67-66-3	
Chloromethane	ND	ug/kg	8.9	2.1	1	11/22/19 11:10	11/22/19 16:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.4	3.2	1	11/22/19 11:10	11/22/19 16:08	96-12-8	
Dibromochloromethane	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	106-93-4	
Dibromomethane	ND	ug/kg	4.4	2.2	1	11/22/19 11:10	11/22/19 16:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1.8	1	11/22/19 11:10	11/22/19 16:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.9	3.2	1	11/22/19 11:10	11/22/19 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1.3	1	11/22/19 11:10	11/22/19 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	2.0	1	11/22/19 11:10	11/22/19 16:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1.2	1	11/22/19 11:10	11/22/19 16:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1.3	1	11/22/19 11:10	11/22/19 16:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1.3	1	11/22/19 11:10	11/22/19 16:08	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	108-20-3	
Ethylbenzene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1.8	1	11/22/19 11:10	11/22/19 16:08	87-68-3	
2-Hexanone	ND	ug/kg	44.4	3.5	1	11/22/19 11:10	11/22/19 16:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	99-87-6	
Methylene Chloride	ND	ug/kg	17.8	2.7	1	11/22/19 11:10	11/22/19 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.4	3.3	1	11/22/19 11:10	11/22/19 16:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1.3	1	11/22/19 11:10	11/22/19 16:08	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1.1	1	11/22/19 11:10	11/22/19 16:08	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	103-65-1	
Styrene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1.9	1	11/22/19 11:10	11/22/19 16:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1.5	1	11/22/19 11:10	11/22/19 16:08	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-41 (5.5-6.0) **Lab ID: 92454032026** Collected: 11/14/19 10:20 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	2.0	1	11/22/19 11:10	11/22/19 16:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1.4	1	11/22/19 11:10	11/22/19 16:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1.9	1	11/22/19 11:10	11/22/19 16:08	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1.9	1	11/22/19 11:10	11/22/19 16:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	2.0	1	11/22/19 11:10	11/22/19 16:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1.4	1	11/22/19 11:10	11/22/19 16:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1.8	1	11/22/19 11:10	11/22/19 16:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1.6	1	11/22/19 11:10	11/22/19 16:08	108-67-8	
Vinyl acetate	ND	ug/kg	44.4	7.8	1	11/22/19 11:10	11/22/19 16:08	108-05-4	
Vinyl chloride	ND	ug/kg	8.9	1.6	1	11/22/19 11:10	11/22/19 16:08	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	3.2	1	11/22/19 11:10	11/22/19 16:08	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	3.2	1	11/22/19 11:10	11/22/19 16:08	179601-23-1	
o-Xylene	ND	ug/kg	4.4	1.7	1	11/22/19 11:10	11/22/19 16:08	95-47-6	
Surrogates									
Toluene-d8 (S)	117	%	70-130		1	11/22/19 11:10	11/22/19 16:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	11/22/19 11:10	11/22/19 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1	11/22/19 11:10	11/22/19 16:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (0.5-1.0) **Lab ID: 92454032027** Collected: 11/14/19 10:05 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**10.9J**	ug/kg	11.9	0.59	1	11/22/19 13:21	11/23/19 11:00	83-32-9	
Acenaphthylene	**0.97J**	ug/kg	11.9	0.53	1	11/22/19 13:21	11/23/19 11:00	208-96-8	
Anthracene	**20.6**	ug/kg	11.9	0.48	1	11/22/19 13:21	11/23/19 11:00	120-12-7	
Benzo(a)anthracene	**55.7**	ug/kg	11.9	0.86	1	11/22/19 13:21	11/23/19 11:00	56-55-3	
Benzo(a)pyrene	**52.4**	ug/kg	11.9	0.59	1	11/22/19 13:21	11/23/19 11:00	50-32-8	
Benzo(b)fluoranthene	**73.6**	ug/kg	11.9	0.84	1	11/22/19 13:21	11/23/19 11:00	205-99-2	
Benzo(g,h,i)perylene	**47.2**	ug/kg	11.9	1.3	1	11/22/19 13:21	11/23/19 11:00	191-24-2	
Benzo(k)fluoranthene	**29.2**	ug/kg	11.9	0.47	1	11/22/19 13:21	11/23/19 11:00	207-08-9	
Chrysene	**54.0**	ug/kg	11.9	0.57	1	11/22/19 13:21	11/23/19 11:00	218-01-9	
Dibenz(a,h)anthracene	**10.4J**	ug/kg	11.9	1.3	1	11/22/19 13:21	11/23/19 11:00	53-70-3	
Fluoranthene	**135**	ug/kg	11.9	1.5	1	11/22/19 13:21	11/23/19 11:00	206-44-0	
Fluorene	**6.7J**	ug/kg	11.9	0.50	1	11/22/19 13:21	11/23/19 11:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**37.1**	ug/kg	11.9	1.0	1	11/22/19 13:21	11/23/19 11:00	193-39-5	
1-Methylnaphthalene	**1.1J**	ug/kg	11.9	0.72	1	11/22/19 13:21	11/23/19 11:00	90-12-0	
2-Methylnaphthalene	**1.1J**	ug/kg	11.9	0.72	1	11/22/19 13:21	11/23/19 11:00	91-57-6	
Naphthalene	**1.7J**	ug/kg	11.9	0.75	1	11/22/19 13:21	11/23/19 11:00	91-20-3	
Phenanthrene	**87.5**	ug/kg	11.9	1.3	1	11/22/19 13:21	11/23/19 11:00	85-01-8	
Pyrene	**103**	ug/kg	11.9	1.2	1	11/22/19 13:21	11/23/19 11:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/19 13:21	11/23/19 11:00	4165-60-0	
2-Fluorobiphenyl (S)	66	%	10-110		1	11/22/19 13:21	11/23/19 11:00	321-60-8	
Terphenyl-d14 (S)	71	%	39-119		1	11/22/19 13:21	11/23/19 11:00	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	398	107	1	11/22/19 15:19	11/23/19 20:19	62-53-3	
Benzoic Acid	ND	ug/kg	1990	72.3	1	11/22/19 15:19	11/23/19 20:19	65-85-0	
Benzyl alcohol	ND	ug/kg	795	79.5	1	11/22/19 15:19	11/23/19 20:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	72.3	1	11/22/19 15:19	11/23/19 20:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	84.3	1	11/22/19 15:19	11/23/19 20:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	795	81.9	1	11/22/19 15:19	11/23/19 20:19	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/19 15:19	11/23/19 20:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	92.8	1	11/22/19 15:19	11/23/19 20:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	101	1	11/22/19 15:19	11/23/19 20:19	111-44-4	
2-Chloronaphthalene	ND	ug/kg	398	78.3	1	11/22/19 15:19	11/23/19 20:19	91-58-7	
2-Chlorophenol	ND	ug/kg	398	108	1	11/22/19 15:19	11/23/19 20:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	81.9	1	11/22/19 15:19	11/23/19 20:19	7005-72-3	
Dibenzofuran	ND	ug/kg	398	65.1	1	11/22/19 15:19	11/23/19 20:19	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	398	106	1	11/22/19 15:19	11/23/19 20:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	398	90.4	1	11/22/19 15:19	11/23/19 20:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	398	112	1	11/22/19 15:19	11/23/19 20:19	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.8	1	11/22/19 15:19	11/23/19 20:19	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	398	86.8	1	11/22/19 15:19	11/23/19 20:19	120-83-2	
Diethylphthalate	ND	ug/kg	398	61.4	1	11/22/19 15:19	11/23/19 20:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	157	1	11/22/19 15:19	11/23/19 20:19	105-67-9	
Dimethylphthalate	ND	ug/kg	398	80.7	1	11/22/19 15:19	11/23/19 20:19	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (0.5-1.0) **Lab ID: 92454032027** Collected: 11/14/19 10:05 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	398	65.1	1	11/22/19 15:19	11/23/19 20:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	79.5	1	11/22/19 15:19	11/23/19 20:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.1	1	11/22/19 15:19	11/23/19 20:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	74.7	1	11/22/19 15:19	11/23/19 20:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	83.1	1	11/22/19 15:19	11/23/19 20:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	83.1	1	11/22/19 15:19	11/23/19 20:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	108	1	11/22/19 15:19	11/23/19 20:19	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	398	68.7	1	11/22/19 15:19	11/23/19 20:19	87-68-3	
Hexachlorobenzene	ND	ug/kg	398	50.6	1	11/22/19 15:19	11/23/19 20:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	398	73.5	1	11/22/19 15:19	11/23/19 20:19	77-47-4	v3
Hexachloroethane	ND	ug/kg	398	105	1	11/22/19 15:19	11/23/19 20:19	67-72-1	
Isophorone	ND	ug/kg	398	89.2	1	11/22/19 15:19	11/23/19 20:19	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	120	1	11/22/19 15:19	11/23/19 20:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	398	157	1	11/22/19 15:19	11/23/19 20:19	15831-10-4	
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/19 15:19	11/23/19 20:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/19 15:19	11/23/19 20:19	99-09-2	
4-Nitroaniline	ND	ug/kg	795	112	1	11/22/19 15:19	11/23/19 20:19	100-01-6	
Nitrobenzene	ND	ug/kg	398	108	1	11/22/19 15:19	11/23/19 20:19	98-95-3	
2-Nitrophenol	ND	ug/kg	398	96.4	1	11/22/19 15:19	11/23/19 20:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.1	1	11/22/19 15:19	11/23/19 20:19	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	398	129	1	11/22/19 15:19	11/23/19 20:19	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	75.9	1	11/22/19 15:19	11/23/19 20:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	118	1	11/22/19 15:19	11/23/19 20:19	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	398	106	1	11/22/19 15:19	11/23/19 20:19	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.3	1	11/22/19 15:19	11/23/19 20:19	87-86-5	
Phenol	ND	ug/kg	398	119	1	11/22/19 15:19	11/23/19 20:19	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	398	77.1	1	11/22/19 15:19	11/23/19 20:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	398	123	1	11/22/19 15:19	11/23/19 20:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	88.0	1	11/22/19 15:19	11/23/19 20:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	23-110		1	11/22/19 15:19	11/23/19 20:19	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-110		1	11/22/19 15:19	11/23/19 20:19	321-60-8	
Terphenyl-d14 (S)	61	%	28-110		1	11/22/19 15:19	11/23/19 20:19	1718-51-0	
Phenol-d6 (S)	70	%	22-110		1	11/22/19 15:19	11/23/19 20:19	13127-88-3	
2-Fluorophenol (S)	66	%	13-110		1	11/22/19 15:19	11/23/19 20:19	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	11/22/19 15:19	11/23/19 20:19	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**113**	ug/kg	105	10.5	1	11/22/19 11:10	11/22/19 16:33	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1	11/22/19 11:10	11/22/19 16:33	71-43-2	
Bromobenzene	ND	ug/kg	5.3	2.1	1	11/22/19 11:10	11/22/19 16:33	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1	11/22/19 11:10	11/22/19 16:33	75-25-2	
Bromomethane	ND	ug/kg	10.5	2.6	1	11/22/19 11:10	11/22/19 16:33	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (0.5-1.0) **Lab ID: 92454032027** Collected: 11/14/19 10:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	105	3.0	1	11/22/19 11:10	11/22/19 16:33	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1.7	1	11/22/19 11:10	11/22/19 16:33	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	2.1	1	11/22/19 11:10	11/22/19 16:33	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	2.7	1	11/22/19 11:10	11/22/19 16:33	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	108-90-7	
Chloroethane	ND	ug/kg	10.5	2.5	1	11/22/19 11:10	11/22/19 16:33	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1	11/22/19 11:10	11/22/19 16:33	67-66-3	
Chloromethane	ND	ug/kg	10.5	2.5	1	11/22/19 11:10	11/22/19 16:33	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1	11/22/19 11:10	11/22/19 16:33	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	106-93-4	
Dibromomethane	ND	ug/kg	5.3	2.6	1	11/22/19 11:10	11/22/19 16:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1	11/22/19 11:10	11/22/19 16:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	3.8	1	11/22/19 11:10	11/22/19 16:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1	11/22/19 11:10	11/22/19 16:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1	11/22/19 11:10	11/22/19 16:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.5	1	11/22/19 11:10	11/22/19 16:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1.6	1	11/22/19 11:10	11/22/19 16:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1	11/22/19 11:10	11/22/19 16:33	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	2.1	1	11/22/19 11:10	11/22/19 16:33	87-68-3	
2-Hexanone	**70.6**	ug/kg	52.6	4.1	1	11/22/19 11:10	11/22/19 16:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	99-87-6	
Methylene Chloride	ND	ug/kg	21.0	3.2	1	11/22/19 11:10	11/22/19 16:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.6	3.9	1	11/22/19 11:10	11/22/19 16:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1	11/22/19 11:10	11/22/19 16:33	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1.3	1	11/22/19 11:10	11/22/19 16:33	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	103-65-1	
Styrene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	2.2	1	11/22/19 11:10	11/22/19 16:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1	11/22/19 11:10	11/22/19 16:33	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (0.5-1.0) **Lab ID: 92454032027** Collected: 11/14/19 10:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1	11/22/19 11:10	11/22/19 16:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1	11/22/19 11:10	11/22/19 16:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1	11/22/19 11:10	11/22/19 16:33	79-00-5	
Trichloroethene	ND	ug/kg	5.3	2.2	1	11/22/19 11:10	11/22/19 16:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1	11/22/19 11:10	11/22/19 16:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1.7	1	11/22/19 11:10	11/22/19 16:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	2.1	1	11/22/19 11:10	11/22/19 16:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1.9	1	11/22/19 11:10	11/22/19 16:33	108-67-8	
Vinyl acetate	ND	ug/kg	52.6	9.3	1	11/22/19 11:10	11/22/19 16:33	108-05-4	
Vinyl chloride	ND	ug/kg	10.5	1.9	1	11/22/19 11:10	11/22/19 16:33	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	3.8	1	11/22/19 11:10	11/22/19 16:33	1330-20-7	
m&p-Xylene	ND	ug/kg	10.5	3.8	1	11/22/19 11:10	11/22/19 16:33	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1	11/22/19 11:10	11/22/19 16:33	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	70-130		1	11/22/19 11:10	11/22/19 16:33	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1	11/22/19 11:10	11/22/19 16:33	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1	11/22/19 11:10	11/22/19 16:33	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (5.5-6.0) **Lab ID: 92454032028** Collected: 11/14/19 10:10 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.7J**	ug/kg	11.2	0.56	1	11/22/19 13:21	11/23/19 11:21	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	0.51	1	11/22/19 13:21	11/23/19 11:21	208-96-8	
Anthracene	**0.66J**	ug/kg	11.2	0.46	1	11/22/19 13:21	11/23/19 11:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.82	1	11/22/19 13:21	11/23/19 11:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	0.56	1	11/22/19 13:21	11/23/19 11:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.80	1	11/22/19 13:21	11/23/19 11:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	1.2	1	11/22/19 13:21	11/23/19 11:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	0.45	1	11/22/19 13:21	11/23/19 11:21	207-08-9	
Chrysene	ND	ug/kg	11.2	0.54	1	11/22/19 13:21	11/23/19 11:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	1.3	1	11/22/19 13:21	11/23/19 11:21	53-70-3	
Fluoranthene	ND	ug/kg	11.2	1.4	1	11/22/19 13:21	11/23/19 11:21	206-44-0	
Fluorene	**1.6J**	ug/kg	11.2	0.48	1	11/22/19 13:21	11/23/19 11:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	0.99	1	11/22/19 13:21	11/23/19 11:21	193-39-5	
1-Methylnaphthalene	**3.8J**	ug/kg	11.2	0.68	1	11/22/19 13:21	11/23/19 11:21	90-12-0	
2-Methylnaphthalene	**1.2J**	ug/kg	11.2	0.68	1	11/22/19 13:21	11/23/19 11:21	91-57-6	
Naphthalene	**6.1J**	ug/kg	11.2	0.71	1	11/22/19 13:21	11/23/19 11:21	91-20-3	
Phenanthrene	**3.2J**	ug/kg	11.2	1.2	1	11/22/19 13:21	11/23/19 11:21	85-01-8	
Pyrene	ND	ug/kg	11.2	1.2	1	11/22/19 13:21	11/23/19 11:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	75	%	10-128		1	11/22/19 13:21	11/23/19 11:21	4165-60-0	
2-Fluorobiphenyl (S)	72	%	10-110		1	11/22/19 13:21	11/23/19 11:21	321-60-8	
Terphenyl-d14 (S)	76	%	39-119		1	11/22/19 13:21	11/23/19 11:21	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	377	102	1	11/22/19 15:19	11/23/19 20:47	62-53-3	
Benzoic Acid	ND	ug/kg	1880	68.5	1	11/22/19 15:19	11/23/19 20:47	65-85-0	
Benzyl alcohol	ND	ug/kg	754	75.4	1	11/22/19 15:19	11/23/19 20:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	68.5	1	11/22/19 15:19	11/23/19 20:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	80.0	1	11/22/19 15:19	11/23/19 20:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	754	77.7	1	11/22/19 15:19	11/23/19 20:47	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/22/19 15:19	11/23/19 20:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	87.9	1	11/22/19 15:19	11/23/19 20:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	95.9	1	11/22/19 15:19	11/23/19 20:47	111-44-4	
2-Chloronaphthalene	ND	ug/kg	377	74.2	1	11/22/19 15:19	11/23/19 20:47	91-58-7	
2-Chlorophenol	ND	ug/kg	377	103	1	11/22/19 15:19	11/23/19 20:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	77.7	1	11/22/19 15:19	11/23/19 20:47	7005-72-3	
Dibenzofuran	ND	ug/kg	377	61.7	1	11/22/19 15:19	11/23/19 20:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	377	101	1	11/22/19 15:19	11/23/19 20:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	377	85.7	1	11/22/19 15:19	11/23/19 20:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	377	106	1	11/22/19 15:19	11/23/19 20:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.2	1	11/22/19 15:19	11/23/19 20:47	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	82.2	1	11/22/19 15:19	11/23/19 20:47	120-83-2	
Diethylphthalate	ND	ug/kg	377	58.3	1	11/22/19 15:19	11/23/19 20:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	148	1	11/22/19 15:19	11/23/19 20:47	105-67-9	
Dimethylphthalate	ND	ug/kg	377	76.5	1	11/22/19 15:19	11/23/19 20:47	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (5.5-6.0) **Lab ID: 92454032028** Collected: 11/14/19 10:10 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	377	61.7	1	11/22/19 15:19	11/23/19 20:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	754	75.4	1	11/22/19 15:19	11/23/19 20:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.7	1	11/22/19 15:19	11/23/19 20:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	70.8	1	11/22/19 15:19	11/23/19 20:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	78.8	1	11/22/19 15:19	11/23/19 20:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	78.8	1	11/22/19 15:19	11/23/19 20:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	103	1	11/22/19 15:19	11/23/19 20:47	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	65.1	1	11/22/19 15:19	11/23/19 20:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	48.0	1	11/22/19 15:19	11/23/19 20:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	69.7	1	11/22/19 15:19	11/23/19 20:47	77-47-4	v3
Hexachloroethane	ND	ug/kg	377	99.4	1	11/22/19 15:19	11/23/19 20:47	67-72-1	
Isophorone	ND	ug/kg	377	84.5	1	11/22/19 15:19	11/23/19 20:47	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	114	1	11/22/19 15:19	11/23/19 20:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	148	1	11/22/19 15:19	11/23/19 20:47	15831-10-4	
2-Nitroaniline	ND	ug/kg	1880	117	1	11/22/19 15:19	11/23/19 20:47	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	11/22/19 15:19	11/23/19 20:47	99-09-2	
4-Nitroaniline	ND	ug/kg	754	106	1	11/22/19 15:19	11/23/19 20:47	100-01-6	
Nitrobenzene	ND	ug/kg	377	103	1	11/22/19 15:19	11/23/19 20:47	98-95-3	
2-Nitrophenol	ND	ug/kg	377	91.4	1	11/22/19 15:19	11/23/19 20:47	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.4	1	11/22/19 15:19	11/23/19 20:47	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	377	122	1	11/22/19 15:19	11/23/19 20:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	72.0	1	11/22/19 15:19	11/23/19 20:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	112	1	11/22/19 15:19	11/23/19 20:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	377	101	1	11/22/19 15:19	11/23/19 20:47	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.5	1	11/22/19 15:19	11/23/19 20:47	87-86-5	
Phenol	ND	ug/kg	377	113	1	11/22/19 15:19	11/23/19 20:47	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	377	73.1	1	11/22/19 15:19	11/23/19 20:47	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	377	117	1	11/22/19 15:19	11/23/19 20:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	83.4	1	11/22/19 15:19	11/23/19 20:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	23-110		1	11/22/19 15:19	11/23/19 20:47	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110		1	11/22/19 15:19	11/23/19 20:47	321-60-8	
Terphenyl-d14 (S)	65	%	28-110		1	11/22/19 15:19	11/23/19 20:47	1718-51-0	
Phenol-d6 (S)	75	%	22-110		1	11/22/19 15:19	11/23/19 20:47	13127-88-3	
2-Fluorophenol (S)	73	%	13-110		1	11/22/19 15:19	11/23/19 20:47	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	11/22/19 15:19	11/23/19 20:47	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	77.4	7.7	1	11/22/19 11:10	11/22/19 16:59	67-64-1	
Benzene	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	75-27-4	
Bromoform	ND	ug/kg	3.9	1.8	1	11/22/19 11:10	11/22/19 16:59	75-25-2	
Bromomethane	ND	ug/kg	7.7	1.9	1	11/22/19 11:10	11/22/19 16:59	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (5.5-6.0) **Lab ID: 92454032028** Collected: 11/14/19 10:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	77.4	2.2	1	11/22/19 11:10	11/22/19 16:59	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.9	2.0	1	11/22/19 11:10	11/22/19 16:59	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	108-90-7	
Chloroethane	ND	ug/kg	7.7	1.9	1	11/22/19 11:10	11/22/19 16:59	75-00-3	
Chloroform	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	67-66-3	
Chloromethane	ND	ug/kg	7.7	1.9	1	11/22/19 11:10	11/22/19 16:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.9	2.8	1	11/22/19 11:10	11/22/19 16:59	96-12-8	
Dibromochloromethane	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1.9	1	11/22/19 11:10	11/22/19 16:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.7	2.8	1	11/22/19 11:10	11/22/19 16:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1.7	1	11/22/19 11:10	11/22/19 16:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1.1	1	11/22/19 11:10	11/22/19 16:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	108-20-3	
Ethylbenzene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	87-68-3	
2-Hexanone	ND	ug/kg	38.7	3.0	1	11/22/19 11:10	11/22/19 16:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	99-87-6	
Methylene Chloride	ND	ug/kg	15.5	2.3	1	11/22/19 11:10	11/22/19 16:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.7	2.9	1	11/22/19 11:10	11/22/19 16:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	1634-04-4	
Naphthalene	ND	ug/kg	3.9	0.93	1	11/22/19 11:10	11/22/19 16:59	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	103-65-1	
Styrene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1.6	1	11/22/19 11:10	11/22/19 16:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1.3	1	11/22/19 11:10	11/22/19 16:59	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-42 (5.5-6.0) **Lab ID: 92454032028** Collected: 11/14/19 10:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1.7	1	11/22/19 11:10	11/22/19 16:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1.6	1	11/22/19 11:10	11/22/19 16:59	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1.6	1	11/22/19 11:10	11/22/19 16:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1.7	1	11/22/19 11:10	11/22/19 16:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1.2	1	11/22/19 11:10	11/22/19 16:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1.4	1	11/22/19 11:10	11/22/19 16:59	108-67-8	
Vinyl acetate	ND	ug/kg	38.7	6.8	1	11/22/19 11:10	11/22/19 16:59	108-05-4	
Vinyl chloride	ND	ug/kg	7.7	1.4	1	11/22/19 11:10	11/22/19 16:59	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	2.8	1	11/22/19 11:10	11/22/19 16:59	1330-20-7	
m&p-Xylene	ND	ug/kg	7.7	2.8	1	11/22/19 11:10	11/22/19 16:59	179601-23-1	
o-Xylene	ND	ug/kg	3.9	1.5	1	11/22/19 11:10	11/22/19 16:59	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1	11/22/19 11:10	11/22/19 16:59	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1	11/22/19 11:10	11/22/19 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	140	%	70-130		1	11/22/19 11:10	11/22/19 16:59	17060-07-0	S3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.2**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (0.5-1.0) **Lab ID: 92454032029** Collected: 11/14/19 12:30 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.7	0.63	1	11/22/19 13:21	11/23/19 11:42	83-32-9	
Acenaphthylene	ND	ug/kg	12.7	0.57	1	11/22/19 13:21	11/23/19 11:42	208-96-8	
Anthracene	ND	ug/kg	12.7	0.52	1	11/22/19 13:21	11/23/19 11:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.7	0.92	1	11/22/19 13:21	11/23/19 11:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.7	0.63	1	11/22/19 13:21	11/23/19 11:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.7	0.90	1	11/22/19 13:21	11/23/19 11:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.7	1.4	1	11/22/19 13:21	11/23/19 11:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.7	0.50	1	11/22/19 13:21	11/23/19 11:42	207-08-9	
Chrysene	ND	ug/kg	12.7	0.61	1	11/22/19 13:21	11/23/19 11:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.7	1.4	1	11/22/19 13:21	11/23/19 11:42	53-70-3	
Fluoranthene	ND	ug/kg	12.7	1.6	1	11/22/19 13:21	11/23/19 11:42	206-44-0	
Fluorene	ND	ug/kg	12.7	0.54	1	11/22/19 13:21	11/23/19 11:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.7	1.1	1	11/22/19 13:21	11/23/19 11:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.7	0.77	1	11/22/19 13:21	11/23/19 11:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.7	0.77	1	11/22/19 13:21	11/23/19 11:42	91-57-6	
Naphthalene	ND	ug/kg	12.7	0.80	1	11/22/19 13:21	11/23/19 11:42	91-20-3	
Phenanthrene	ND	ug/kg	12.7	1.4	1	11/22/19 13:21	11/23/19 11:42	85-01-8	
Pyrene	ND	ug/kg	12.7	1.3	1	11/22/19 13:21	11/23/19 11:42	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	74	%	10-128		1	11/22/19 13:21	11/23/19 11:42	4165-60-0	
2-Fluorobiphenyl (S)	75	%	10-110		1	11/22/19 13:21	11/23/19 11:42	321-60-8	
Terphenyl-d14 (S)	56	%	39-119		1	11/22/19 13:21	11/23/19 11:42	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	414	112	1	11/22/19 15:19	11/23/19 21:15	62-53-3	
Benzoic Acid	ND	ug/kg	2070	75.3	1	11/22/19 15:19	11/23/19 21:15	65-85-0	
Benzyl alcohol	ND	ug/kg	829	82.9	1	11/22/19 15:19	11/23/19 21:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	414	75.3	1	11/22/19 15:19	11/23/19 21:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	87.9	1	11/22/19 15:19	11/23/19 21:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	829	85.4	1	11/22/19 15:19	11/23/19 21:15	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	116	1	11/22/19 15:19	11/23/19 21:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	414	96.7	1	11/22/19 15:19	11/23/19 21:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	105	1	11/22/19 15:19	11/23/19 21:15	111-44-4	
2-Chloronaphthalene	ND	ug/kg	414	81.6	1	11/22/19 15:19	11/23/19 21:15	91-58-7	
2-Chlorophenol	ND	ug/kg	414	113	1	11/22/19 15:19	11/23/19 21:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	85.4	1	11/22/19 15:19	11/23/19 21:15	7005-72-3	
Dibenzofuran	ND	ug/kg	414	67.8	1	11/22/19 15:19	11/23/19 21:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	414	110	1	11/22/19 15:19	11/23/19 21:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	414	94.2	1	11/22/19 15:19	11/23/19 21:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	414	117	1	11/22/19 15:19	11/23/19 21:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	90.4	1	11/22/19 15:19	11/23/19 21:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	90.4	1	11/22/19 15:19	11/23/19 21:15	120-83-2	
Diethylphthalate	ND	ug/kg	414	64.0	1	11/22/19 15:19	11/23/19 21:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	163	1	11/22/19 15:19	11/23/19 21:15	105-67-9	
Dimethylphthalate	ND	ug/kg	414	84.1	1	11/22/19 15:19	11/23/19 21:15	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (0.5-1.0) **Lab ID: 92454032029** Collected: 11/14/19 12:30 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	414	67.8	1	11/22/19 15:19	11/23/19 21:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	829	82.9	1	11/22/19 15:19	11/23/19 21:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	67.8	1	11/22/19 15:19	11/23/19 21:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	77.8	1	11/22/19 15:19	11/23/19 21:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	86.6	1	11/22/19 15:19	11/23/19 21:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	86.6	1	11/22/19 15:19	11/23/19 21:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	113	1	11/22/19 15:19	11/23/19 21:15	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	71.6	1	11/22/19 15:19	11/23/19 21:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	52.7	1	11/22/19 15:19	11/23/19 21:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	76.6	1	11/22/19 15:19	11/23/19 21:15	77-47-4	v3
Hexachloroethane	ND	ug/kg	414	109	1	11/22/19 15:19	11/23/19 21:15	67-72-1	
Isophorone	ND	ug/kg	414	92.9	1	11/22/19 15:19	11/23/19 21:15	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	126	1	11/22/19 15:19	11/23/19 21:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	414	163	1	11/22/19 15:19	11/23/19 21:15	15831-10-4	
2-Nitroaniline	ND	ug/kg	2070	128	1	11/22/19 15:19	11/23/19 21:15	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	113	1	11/22/19 15:19	11/23/19 21:15	99-09-2	
4-Nitroaniline	ND	ug/kg	829	117	1	11/22/19 15:19	11/23/19 21:15	100-01-6	
Nitrobenzene	ND	ug/kg	414	113	1	11/22/19 15:19	11/23/19 21:15	98-95-3	
2-Nitrophenol	ND	ug/kg	414	100	1	11/22/19 15:19	11/23/19 21:15	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	74.1	1	11/22/19 15:19	11/23/19 21:15	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	414	134	1	11/22/19 15:19	11/23/19 21:15	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	79.1	1	11/22/19 15:19	11/23/19 21:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	414	123	1	11/22/19 15:19	11/23/19 21:15	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	414	110	1	11/22/19 15:19	11/23/19 21:15	108-60-1	
Pentachlorophenol	ND	ug/kg	2070	75.3	1	11/22/19 15:19	11/23/19 21:15	87-86-5	
Phenol	ND	ug/kg	414	124	1	11/22/19 15:19	11/23/19 21:15	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	414	80.4	1	11/22/19 15:19	11/23/19 21:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	414	128	1	11/22/19 15:19	11/23/19 21:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	91.7	1	11/22/19 15:19	11/23/19 21:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	23-110		1	11/22/19 15:19	11/23/19 21:15	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110		1	11/22/19 15:19	11/23/19 21:15	321-60-8	
Terphenyl-d14 (S)	51	%	28-110		1	11/22/19 15:19	11/23/19 21:15	1718-51-0	
Phenol-d6 (S)	65	%	22-110		1	11/22/19 15:19	11/23/19 21:15	13127-88-3	
2-Fluorophenol (S)	63	%	13-110		1	11/22/19 15:19	11/23/19 21:15	367-12-4	
2,4,6-Tribromophenol (S)	53	%	27-110		1	11/22/19 15:19	11/23/19 21:15	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**59.5J**	ug/kg	94.8	9.5	1	11/22/19 11:10	11/22/19 17:24	67-64-1	
Benzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 17:24	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 17:24	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	75-27-4	
Bromoform	ND	ug/kg	4.7	2.2	1	11/22/19 11:10	11/22/19 17:24	75-25-2	
Bromomethane	ND	ug/kg	9.5	2.4	1	11/22/19 11:10	11/22/19 17:24	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (0.5-1.0) **Lab ID: 92454032029** Collected: 11/14/19 12:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	94.8	2.8	1	11/22/19 11:10	11/22/19 17:24	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 17:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 17:24	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.7	2.5	1	11/22/19 11:10	11/22/19 17:24	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	108-90-7	
Chloroethane	ND	ug/kg	9.5	2.3	1	11/22/19 11:10	11/22/19 17:24	75-00-3	
Chloroform	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 17:24	67-66-3	
Chloromethane	ND	ug/kg	9.5	2.3	1	11/22/19 11:10	11/22/19 17:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	3.4	1	11/22/19 11:10	11/22/19 17:24	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	106-93-4	
Dibromomethane	ND	ug/kg	4.7	2.4	1	11/22/19 11:10	11/22/19 17:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 17:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 17:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 17:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 17:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1.3	1	11/22/19 11:10	11/22/19 17:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 17:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 17:24	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 17:24	87-68-3	
2-Hexanone	**4.6J**	ug/kg	47.4	3.7	1	11/22/19 11:10	11/22/19 17:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	2.8	1	11/22/19 11:10	11/22/19 17:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.4	3.5	1	11/22/19 11:10	11/22/19 17:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1.4	1	11/22/19 11:10	11/22/19 17:24	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1.1	1	11/22/19 11:10	11/22/19 17:24	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	103-65-1	
Styrene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1.6	1	11/22/19 11:10	11/22/19 17:24	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (0.5-1.0) **Lab ID: 92454032029** Collected: 11/14/19 12:30 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 17:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 17:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 17:24	79-00-5	
Trichloroethene	ND	ug/kg	4.7	2.0	1	11/22/19 11:10	11/22/19 17:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	2.1	1	11/22/19 11:10	11/22/19 17:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1.5	1	11/22/19 11:10	11/22/19 17:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1.9	1	11/22/19 11:10	11/22/19 17:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1.7	1	11/22/19 11:10	11/22/19 17:24	108-67-8	
Vinyl acetate	ND	ug/kg	47.4	8.3	1	11/22/19 11:10	11/22/19 17:24	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1.7	1	11/22/19 11:10	11/22/19 17:24	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 17:24	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	3.4	1	11/22/19 11:10	11/22/19 17:24	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1.8	1	11/22/19 11:10	11/22/19 17:24	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	70-130		1	11/22/19 11:10	11/22/19 17:24	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1	11/22/19 11:10	11/22/19 17:24	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1	11/22/19 11:10	11/22/19 17:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.4**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (5.5-6.0) **Lab ID: 92454032030** Collected: 11/14/19 12:35 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**114**	ug/kg	12.3	0.61	1	11/22/19 13:21	11/23/19 12:03	83-32-9	
Acenaphthylene	**40.1**	ug/kg	12.3	0.55	1	11/22/19 13:21	11/23/19 12:03	208-96-8	
Anthracene	**94.5**	ug/kg	12.3	0.50	1	11/22/19 13:21	11/23/19 12:03	120-12-7	
Benzo(a)anthracene	**85.7**	ug/kg	12.3	0.89	1	11/22/19 13:21	11/23/19 12:03	56-55-3	
Benzo(a)pyrene	**82.6**	ug/kg	12.3	0.61	1	11/22/19 13:21	11/23/19 12:03	50-32-8	
Benzo(b)fluoranthene	**102**	ug/kg	12.3	0.87	1	11/22/19 13:21	11/23/19 12:03	205-99-2	
Benzo(g,h,i)perylene	**51.6**	ug/kg	12.3	1.3	1	11/22/19 13:21	11/23/19 12:03	191-24-2	
Benzo(k)fluoranthene	**34.7**	ug/kg	12.3	0.49	1	11/22/19 13:21	11/23/19 12:03	207-08-9	
Chrysene	**77.8**	ug/kg	12.3	0.59	1	11/22/19 13:21	11/23/19 12:03	218-01-9	
Dibenz(a,h)anthracene	**12.6**	ug/kg	12.3	1.4	1	11/22/19 13:21	11/23/19 12:03	53-70-3	
Fluoranthene	**189**	ug/kg	12.3	1.5	1	11/22/19 13:21	11/23/19 12:03	206-44-0	
Fluorene	**92.4**	ug/kg	12.3	0.52	1	11/22/19 13:21	11/23/19 12:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**44.5**	ug/kg	12.3	1.1	1	11/22/19 13:21	11/23/19 12:03	193-39-5	
1-Methylnaphthalene	**162**	ug/kg	12.3	0.74	1	11/22/19 13:21	11/23/19 12:03	90-12-0	
2-Methylnaphthalene	**42.5**	ug/kg	12.3	0.74	1	11/22/19 13:21	11/23/19 12:03	91-57-6	
Naphthalene	**566**	ug/kg	12.3	0.78	1	11/22/19 13:21	11/23/19 12:03	91-20-3	
Phenanthrene	**316**	ug/kg	12.3	1.3	1	11/22/19 13:21	11/23/19 12:03	85-01-8	
Pyrene	**205**	ug/kg	12.3	1.3	1	11/22/19 13:21	11/23/19 12:03	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	10-128		1	11/22/19 13:21	11/23/19 12:03	4165-60-0	
2-Fluorobiphenyl (S)	57	%	10-110		1	11/22/19 13:21	11/23/19 12:03	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/22/19 13:21	11/23/19 12:03	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	400	108	1	11/22/19 15:19	11/23/19 21:43	62-53-3	
Benzoic Acid	ND	ug/kg	2000	72.8	1	11/22/19 15:19	11/23/19 21:43	65-85-0	
Benzyl alcohol	ND	ug/kg	801	80.1	1	11/22/19 15:19	11/23/19 21:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	400	72.8	1	11/22/19 15:19	11/23/19 21:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	400	85.0	1	11/22/19 15:19	11/23/19 21:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	801	82.5	1	11/22/19 15:19	11/23/19 21:43	59-50-7	
4-Chloroaniline	ND	ug/kg	2000	112	1	11/22/19 15:19	11/23/19 21:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	400	93.4	1	11/22/19 15:19	11/23/19 21:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	400	102	1	11/22/19 15:19	11/23/19 21:43	111-44-4	
2-Chloronaphthalene	ND	ug/kg	400	78.9	1	11/22/19 15:19	11/23/19 21:43	91-58-7	
2-Chlorophenol	ND	ug/kg	400	109	1	11/22/19 15:19	11/23/19 21:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	400	82.5	1	11/22/19 15:19	11/23/19 21:43	7005-72-3	
Dibenzofuran	**125J**	ug/kg	400	65.5	1	11/22/19 15:19	11/23/19 21:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	400	107	1	11/22/19 15:19	11/23/19 21:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	400	91.0	1	11/22/19 15:19	11/23/19 21:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	400	113	1	11/22/19 15:19	11/23/19 21:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2000	87.4	1	11/22/19 15:19	11/23/19 21:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	400	87.4	1	11/22/19 15:19	11/23/19 21:43	120-83-2	
Diethylphthalate	ND	ug/kg	400	61.9	1	11/22/19 15:19	11/23/19 21:43	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	400	158	1	11/22/19 15:19	11/23/19 21:43	105-67-9	
Dimethylphthalate	ND	ug/kg	400	81.3	1	11/22/19 15:19	11/23/19 21:43	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (5.5-6.0) **Lab ID: 92454032030** Collected: 11/14/19 12:35 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	400	65.5	1	11/22/19 15:19	11/23/19 21:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	801	80.1	1	11/22/19 15:19	11/23/19 21:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	65.5	1	11/22/19 15:19	11/23/19 21:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	400	75.2	1	11/22/19 15:19	11/23/19 21:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	400	83.7	1	11/22/19 15:19	11/23/19 21:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	400	83.7	1	11/22/19 15:19	11/23/19 21:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	400	109	1	11/22/19 15:19	11/23/19 21:43	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	400	69.2	1	11/22/19 15:19	11/23/19 21:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	400	51.0	1	11/22/19 15:19	11/23/19 21:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	400	74.0	1	11/22/19 15:19	11/23/19 21:43	77-47-4	v3
Hexachloroethane	ND	ug/kg	400	106	1	11/22/19 15:19	11/23/19 21:43	67-72-1	
Isophorone	ND	ug/kg	400	89.8	1	11/22/19 15:19	11/23/19 21:43	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	400	121	1	11/22/19 15:19	11/23/19 21:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	400	158	1	11/22/19 15:19	11/23/19 21:43	15831-10-4	
2-Nitroaniline	ND	ug/kg	2000	124	1	11/22/19 15:19	11/23/19 21:43	88-74-4	
3-Nitroaniline	ND	ug/kg	2000	109	1	11/22/19 15:19	11/23/19 21:43	99-09-2	
4-Nitroaniline	ND	ug/kg	801	113	1	11/22/19 15:19	11/23/19 21:43	100-01-6	
Nitrobenzene	ND	ug/kg	400	109	1	11/22/19 15:19	11/23/19 21:43	98-95-3	
2-Nitrophenol	ND	ug/kg	400	97.1	1	11/22/19 15:19	11/23/19 21:43	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	71.6	1	11/22/19 15:19	11/23/19 21:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	400	130	1	11/22/19 15:19	11/23/19 21:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	400	76.5	1	11/22/19 15:19	11/23/19 21:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	400	119	1	11/22/19 15:19	11/23/19 21:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	400	107	1	11/22/19 15:19	11/23/19 21:43	108-60-1	
Pentachlorophenol	ND	ug/kg	2000	72.8	1	11/22/19 15:19	11/23/19 21:43	87-86-5	
Phenol	ND	ug/kg	400	120	1	11/22/19 15:19	11/23/19 21:43	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	400	77.7	1	11/22/19 15:19	11/23/19 21:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	400	124	1	11/22/19 15:19	11/23/19 21:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	400	88.6	1	11/22/19 15:19	11/23/19 21:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	23-110		1	11/22/19 15:19	11/23/19 21:43	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110		1	11/22/19 15:19	11/23/19 21:43	321-60-8	
Terphenyl-d14 (S)	63	%	28-110		1	11/22/19 15:19	11/23/19 21:43	1718-51-0	
Phenol-d6 (S)	71	%	22-110		1	11/22/19 15:19	11/23/19 21:43	13127-88-3	
2-Fluorophenol (S)	71	%	13-110		1	11/22/19 15:19	11/23/19 21:43	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110		1	11/22/19 15:19	11/23/19 21:43	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	81.4	8.1	1	11/22/19 11:10	11/22/19 17:50	67-64-1	
Benzene	ND	ug/kg	4.1	1.3	1	11/22/19 11:10	11/22/19 17:50	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1.6	1	11/22/19 11:10	11/22/19 17:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	75-27-4	
Bromoform	ND	ug/kg	4.1	1.9	1	11/22/19 11:10	11/22/19 17:50	75-25-2	
Bromomethane	ND	ug/kg	8.1	2.0	1	11/22/19 11:10	11/22/19 17:50	74-83-9	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (5.5-6.0) **Lab ID: 92454032030** Collected: 11/14/19 12:35 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	81.4	2.4	1	11/22/19 11:10	11/22/19 17:50	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1.3	1	11/22/19 11:10	11/22/19 17:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1.6	1	11/22/19 11:10	11/22/19 17:50	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.1	2.1	1	11/22/19 11:10	11/22/19 17:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	108-90-7	
Chloroethane	ND	ug/kg	8.1	2.0	1	11/22/19 11:10	11/22/19 17:50	75-00-3	
Chloroform	ND	ug/kg	4.1	1.3	1	11/22/19 11:10	11/22/19 17:50	67-66-3	
Chloromethane	ND	ug/kg	8.1	2.0	1	11/22/19 11:10	11/22/19 17:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.1	2.9	1	11/22/19 11:10	11/22/19 17:50	96-12-8	
Dibromochloromethane	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	106-93-4	
Dibromomethane	ND	ug/kg	4.1	2.0	1	11/22/19 11:10	11/22/19 17:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1.6	1	11/22/19 11:10	11/22/19 17:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.1	2.9	1	11/22/19 11:10	11/22/19 17:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1.2	1	11/22/19 11:10	11/22/19 17:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1.8	1	11/22/19 11:10	11/22/19 17:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1.1	1	11/22/19 11:10	11/22/19 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1.2	1	11/22/19 11:10	11/22/19 17:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1.2	1	11/22/19 11:10	11/22/19 17:50	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	108-20-3	
Ethylbenzene	**3.0J**	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1.6	1	11/22/19 11:10	11/22/19 17:50	87-68-3	
2-Hexanone	ND	ug/kg	40.7	3.2	1	11/22/19 11:10	11/22/19 17:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	99-87-6	
Methylene Chloride	ND	ug/kg	16.3	2.4	1	11/22/19 11:10	11/22/19 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	40.7	3.0	1	11/22/19 11:10	11/22/19 17:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1.2	1	11/22/19 11:10	11/22/19 17:50	1634-04-4	
Naphthalene	**6190**	ug/kg	204	48.9	50	11/22/19 11:10	11/24/19 13:54	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	103-65-1	
Styrene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1.7	1	11/22/19 11:10	11/22/19 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1.4	1	11/22/19 11:10	11/22/19 17:50	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-44 (5.5-6.0) **Lab ID: 92454032030** Collected: 11/14/19 12:35 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1.8	1	11/22/19 11:10	11/22/19 17:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1.3	1	11/22/19 11:10	11/22/19 17:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1.7	1	11/22/19 11:10	11/22/19 17:50	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1.7	1	11/22/19 11:10	11/22/19 17:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1.8	1	11/22/19 11:10	11/22/19 17:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1.3	1	11/22/19 11:10	11/22/19 17:50	96-18-4	
1,2,4-Trimethylbenzene	**4.2**	ug/kg	4.1	1.6	1	11/22/19 11:10	11/22/19 17:50	95-63-6	
1,3,5-Trimethylbenzene	**1.5J**	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	108-67-8	
Vinyl acetate	ND	ug/kg	40.7	7.2	1	11/22/19 11:10	11/22/19 17:50	108-05-4	
Vinyl chloride	ND	ug/kg	8.1	1.5	1	11/22/19 11:10	11/22/19 17:50	75-01-4	
Xylene (Total)	ND	ug/kg	8.1	2.9	1	11/22/19 11:10	11/22/19 17:50	1330-20-7	
m&p-Xylene	ND	ug/kg	8.1	2.9	1	11/22/19 11:10	11/22/19 17:50	179601-23-1	
o-Xylene	ND	ug/kg	4.1	1.5	1	11/22/19 11:10	11/22/19 17:50	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	11/22/19 11:10	11/22/19 17:50	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1	11/22/19 11:10	11/22/19 17:50	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1	11/22/19 11:10	11/22/19 17:50	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.7**	%	0.10	0.10	1		11/18/19 14:37		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (0.5-1.0) **Lab ID: 92454032031** Collected: 11/14/19 11:45 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.71J**	ug/kg	12.8	0.64	1	11/22/19 13:21	11/23/19 12:24	83-32-9	
Acenaphthylene	**9.3J**	ug/kg	12.8	0.58	1	11/22/19 13:21	11/23/19 12:24	208-96-8	
Anthracene	**7.8J**	ug/kg	12.8	0.52	1	11/22/19 13:21	11/23/19 12:24	120-12-7	
Benzo(a)anthracene	**21.1**	ug/kg	12.8	0.93	1	11/22/19 13:21	11/23/19 12:24	56-55-3	
Benzo(a)pyrene	**24.3**	ug/kg	12.8	0.64	1	11/22/19 13:21	11/23/19 12:24	50-32-8	
Benzo(b)fluoranthene	**28.8**	ug/kg	12.8	0.91	1	11/22/19 13:21	11/23/19 12:24	205-99-2	
Benzo(g,h,i)perylene	**16.7**	ug/kg	12.8	1.4	1	11/22/19 13:21	11/23/19 12:24	191-24-2	
Benzo(k)fluoranthene	**14.0**	ug/kg	12.8	0.51	1	11/22/19 13:21	11/23/19 12:24	207-08-9	
Chrysene	**20.0**	ug/kg	12.8	0.62	1	11/22/19 13:21	11/23/19 12:24	218-01-9	
Dibenz(a,h)anthracene	**4.4J**	ug/kg	12.8	1.4	1	11/22/19 13:21	11/23/19 12:24	53-70-3	
Fluoranthene	**34.6**	ug/kg	12.8	1.6	1	11/22/19 13:21	11/23/19 12:24	206-44-0	
Fluorene	**1.7J**	ug/kg	12.8	0.54	1	11/22/19 13:21	11/23/19 12:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**14.1**	ug/kg	12.8	1.1	1	11/22/19 13:21	11/23/19 12:24	193-39-5	
1-Methylnaphthalene	**4.2J**	ug/kg	12.8	0.78	1	11/22/19 13:21	11/23/19 12:24	90-12-0	
2-Methylnaphthalene	**6.6J**	ug/kg	12.8	0.78	1	11/22/19 13:21	11/23/19 12:24	91-57-6	
Naphthalene	**9.2J**	ug/kg	12.8	0.81	1	11/22/19 13:21	11/23/19 12:24	91-20-3	
Phenanthrene	**19.8**	ug/kg	12.8	1.4	1	11/22/19 13:21	11/23/19 12:24	85-01-8	
Pyrene	**35.1**	ug/kg	12.8	1.3	1	11/22/19 13:21	11/23/19 12:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	72	%	10-128		1	11/22/19 13:21	11/23/19 12:24	4165-60-0	
2-Fluorobiphenyl (S)	62	%	10-110		1	11/22/19 13:21	11/23/19 12:24	321-60-8	
Terphenyl-d14 (S)	59	%	39-119		1	11/22/19 13:21	11/23/19 12:24	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	420	113	1	11/22/19 15:19	11/24/19 11:10	62-53-3	
Benzoic Acid	ND	ug/kg	2100	76.4	1	11/22/19 15:19	11/24/19 11:10	65-85-0	
Benzyl alcohol	ND	ug/kg	841	84.1	1	11/22/19 15:19	11/24/19 11:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	420	76.4	1	11/22/19 15:19	11/24/19 11:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	420	89.2	1	11/22/19 15:19	11/24/19 11:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	841	86.6	1	11/22/19 15:19	11/24/19 11:10	59-50-7	
4-Chloroaniline	ND	ug/kg	2100	117	1	11/22/19 15:19	11/24/19 11:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	420	98.1	1	11/22/19 15:19	11/24/19 11:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	420	107	1	11/22/19 15:19	11/24/19 11:10	111-44-4	
2-Chloronaphthalene	ND	ug/kg	420	82.8	1	11/22/19 15:19	11/24/19 11:10	91-58-7	
2-Chlorophenol	ND	ug/kg	420	115	1	11/22/19 15:19	11/24/19 11:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	420	86.6	1	11/22/19 15:19	11/24/19 11:10	7005-72-3	
Dibenzofuran	**80.8J**	ug/kg	420	68.8	1	11/22/19 15:19	11/24/19 11:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	420	112	1	11/22/19 15:19	11/24/19 11:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	420	95.5	1	11/22/19 15:19	11/24/19 11:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	420	118	1	11/22/19 15:19	11/24/19 11:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2100	91.7	1	11/22/19 15:19	11/24/19 11:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	420	91.7	1	11/22/19 15:19	11/24/19 11:10	120-83-2	
Diethylphthalate	ND	ug/kg	420	65.0	1	11/22/19 15:19	11/24/19 11:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	420	166	1	11/22/19 15:19	11/24/19 11:10	105-67-9	
Dimethylphthalate	ND	ug/kg	420	85.4	1	11/22/19 15:19	11/24/19 11:10	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (0.5-1.0) **Lab ID: 92454032031** Collected: 11/14/19 11:45 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	420	68.8	1	11/22/19 15:19	11/24/19 11:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	841	84.1	1	11/22/19 15:19	11/24/19 11:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2100	68.8	1	11/22/19 15:19	11/24/19 11:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	420	79.0	1	11/22/19 15:19	11/24/19 11:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	420	87.9	1	11/22/19 15:19	11/24/19 11:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	420	87.9	1	11/22/19 15:19	11/24/19 11:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	115	1	11/22/19 15:19	11/24/19 11:10	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	420	72.6	1	11/22/19 15:19	11/24/19 11:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	420	53.5	1	11/22/19 15:19	11/24/19 11:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	420	77.7	1	11/22/19 15:19	11/24/19 11:10	77-47-4	v3
Hexachloroethane	ND	ug/kg	420	111	1	11/22/19 15:19	11/24/19 11:10	67-72-1	
Isophorone	ND	ug/kg	420	94.3	1	11/22/19 15:19	11/24/19 11:10	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	420	127	1	11/22/19 15:19	11/24/19 11:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	420	166	1	11/22/19 15:19	11/24/19 11:10	15831-10-4	
2-Nitroaniline	ND	ug/kg	2100	130	1	11/22/19 15:19	11/24/19 11:10	88-74-4	v1
3-Nitroaniline	ND	ug/kg	2100	115	1	11/22/19 15:19	11/24/19 11:10	99-09-2	
4-Nitroaniline	ND	ug/kg	841	118	1	11/22/19 15:19	11/24/19 11:10	100-01-6	
Nitrobenzene	ND	ug/kg	420	115	1	11/22/19 15:19	11/24/19 11:10	98-95-3	
2-Nitrophenol	ND	ug/kg	420	102	1	11/22/19 15:19	11/24/19 11:10	88-75-5	
4-Nitrophenol	ND	ug/kg	2100	75.2	1	11/22/19 15:19	11/24/19 11:10	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	420	136	1	11/22/19 15:19	11/24/19 11:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	420	80.3	1	11/22/19 15:19	11/24/19 11:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	420	125	1	11/22/19 15:19	11/24/19 11:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	420	112	1	11/22/19 15:19	11/24/19 11:10	108-60-1	
Pentachlorophenol	ND	ug/kg	2100	76.4	1	11/22/19 15:19	11/24/19 11:10	87-86-5	
Phenol	ND	ug/kg	420	126	1	11/22/19 15:19	11/24/19 11:10	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	420	81.5	1	11/22/19 15:19	11/24/19 11:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	420	130	1	11/22/19 15:19	11/24/19 11:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	420	93.0	1	11/22/19 15:19	11/24/19 11:10	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	23-110		1	11/22/19 15:19	11/24/19 11:10	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110		1	11/22/19 15:19	11/24/19 11:10	321-60-8	
Terphenyl-d14 (S)	46	%	28-110		1	11/22/19 15:19	11/24/19 11:10	1718-51-0	
Phenol-d6 (S)	62	%	22-110		1	11/22/19 15:19	11/24/19 11:10	13127-88-3	
2-Fluorophenol (S)	57	%	13-110		1	11/22/19 15:19	11/24/19 11:10	367-12-4	
2,4,6-Tribromophenol (S)	52	%	27-110		1	11/22/19 15:19	11/24/19 11:10	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**168**	ug/kg	115	11.5	1	11/23/19 09:52	11/23/19 16:20	67-64-1	
Benzene	ND	ug/kg	5.7	1.8	1	11/23/19 09:52	11/23/19 16:20	71-43-2	
Bromobenzene	ND	ug/kg	5.7	2.3	1	11/23/19 09:52	11/23/19 16:20	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	75-27-4	
Bromoform	ND	ug/kg	5.7	2.6	1	11/23/19 09:52	11/23/19 16:20	75-25-2	
Bromomethane	ND	ug/kg	11.5	2.9	1	11/23/19 09:52	11/23/19 16:20	74-83-9	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (0.5-1.0) **Lab ID: 92454032031** Collected: 11/14/19 11:45 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	115	3.3	1	11/23/19 09:52	11/23/19 16:20	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1.8	1	11/23/19 09:52	11/23/19 16:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	2.3	1	11/23/19 09:52	11/23/19 16:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	3.0	1	11/23/19 09:52	11/23/19 16:20	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	108-90-7	
Chloroethane	ND	ug/kg	11.5	2.8	1	11/23/19 09:52	11/23/19 16:20	75-00-3	
Chloroform	ND	ug/kg	5.7	1.8	1	11/23/19 09:52	11/23/19 16:20	67-66-3	
Chloromethane	ND	ug/kg	11.5	2.8	1	11/23/19 09:52	11/23/19 16:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	4.1	1	11/23/19 09:52	11/23/19 16:20	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	106-93-4	
Dibromomethane	ND	ug/kg	5.7	2.9	1	11/23/19 09:52	11/23/19 16:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	2.3	1	11/23/19 09:52	11/23/19 16:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.5	4.1	1	11/23/19 09:52	11/23/19 16:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1.7	1	11/23/19 09:52	11/23/19 16:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	2.5	1	11/23/19 09:52	11/23/19 16:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1.6	1	11/23/19 09:52	11/23/19 16:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1.7	1	11/23/19 09:52	11/23/19 16:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.7	1	11/23/19 09:52	11/23/19 16:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	2.3	1	11/23/19 09:52	11/23/19 16:20	87-68-3	
2-Hexanone	**37.8J**	ug/kg	57.4	4.5	1	11/23/19 09:52	11/23/19 16:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	98-82-8	
p-Isopropyltoluene	**5.5J**	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	99-87-6	
Methylene Chloride	ND	ug/kg	22.9	3.4	1	11/23/19 09:52	11/23/19 16:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.4	4.2	1	11/23/19 09:52	11/23/19 16:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1.7	1	11/23/19 09:52	11/23/19 16:20	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1.4	1	11/23/19 09:52	11/23/19 16:20	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	103-65-1	
Styrene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	2.4	1	11/23/19 09:52	11/23/19 16:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	2.0	1	11/23/19 09:52	11/23/19 16:20	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (0.5-1.0) **Lab ID: 92454032031** Collected: 11/14/19 11:45 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	2.5	1	11/23/19 09:52	11/23/19 16:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1.8	1	11/23/19 09:52	11/23/19 16:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	2.4	1	11/23/19 09:52	11/23/19 16:20	79-00-5	
Trichloroethene	ND	ug/kg	5.7	2.4	1	11/23/19 09:52	11/23/19 16:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	2.5	1	11/23/19 09:52	11/23/19 16:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1.8	1	11/23/19 09:52	11/23/19 16:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	2.3	1	11/23/19 09:52	11/23/19 16:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	2.1	1	11/23/19 09:52	11/23/19 16:20	108-67-8	
Vinyl acetate	ND	ug/kg	57.4	10.1	1	11/23/19 09:52	11/23/19 16:20	108-05-4	
Vinyl chloride	ND	ug/kg	11.5	2.1	1	11/23/19 09:52	11/23/19 16:20	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	4.1	1	11/23/19 09:52	11/23/19 16:20	1330-20-7	
m&p-Xylene	ND	ug/kg	11.5	4.1	1	11/23/19 09:52	11/23/19 16:20	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.2	1	11/23/19 09:52	11/23/19 16:20	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	70-130		1	11/23/19 09:52	11/23/19 16:20	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	11/23/19 09:52	11/23/19 16:20	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1	11/23/19 09:52	11/23/19 16:20	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.8**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (5.5-6.0) **Lab ID: 92454032032** Collected: 11/14/19 11:50 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	0.57	1	11/22/19 13:21	11/23/19 12:44	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	0.52	1	11/22/19 13:21	11/23/19 12:44	208-96-8	
Anthracene	ND	ug/kg	11.5	0.47	1	11/22/19 13:21	11/23/19 12:44	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	0.84	1	11/22/19 13:21	11/23/19 12:44	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	0.57	1	11/22/19 13:21	11/23/19 12:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	0.82	1	11/22/19 13:21	11/23/19 12:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	1.2	1	11/22/19 13:21	11/23/19 12:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	0.46	1	11/22/19 13:21	11/23/19 12:44	207-08-9	
Chrysene	ND	ug/kg	11.5	0.56	1	11/22/19 13:21	11/23/19 12:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	1.3	1	11/22/19 13:21	11/23/19 12:44	53-70-3	
Fluoranthene	ND	ug/kg	11.5	1.4	1	11/22/19 13:21	11/23/19 12:44	206-44-0	
Fluorene	ND	ug/kg	11.5	0.49	1	11/22/19 13:21	11/23/19 12:44	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	1.0	1	11/22/19 13:21	11/23/19 12:44	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.5	0.70	1	11/22/19 13:21	11/23/19 12:44	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.5	0.70	1	11/22/19 13:21	11/23/19 12:44	91-57-6	
Naphthalene	ND	ug/kg	11.5	0.73	1	11/22/19 13:21	11/23/19 12:44	91-20-3	
Phenanthrene	ND	ug/kg	11.5	1.3	1	11/22/19 13:21	11/23/19 12:44	85-01-8	
Pyrene	ND	ug/kg	11.5	1.2	1	11/22/19 13:21	11/23/19 12:44	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	10-128		1	11/22/19 13:21	11/23/19 12:44	4165-60-0	
2-Fluorobiphenyl (S)	78	%	10-110		1	11/22/19 13:21	11/23/19 12:44	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/22/19 13:21	11/23/19 12:44	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	389	105	1	11/22/19 15:19	11/23/19 22:12	62-53-3	
Benzoic Acid	ND	ug/kg	1950	70.8	1	11/22/19 15:19	11/23/19 22:12	65-85-0	
Benzyl alcohol	ND	ug/kg	779	77.9	1	11/22/19 15:19	11/23/19 22:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	70.8	1	11/22/19 15:19	11/23/19 22:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	82.6	1	11/22/19 15:19	11/23/19 22:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	80.2	1	11/22/19 15:19	11/23/19 22:12	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/19 15:19	11/23/19 22:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	90.8	1	11/22/19 15:19	11/23/19 22:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	99.1	1	11/22/19 15:19	11/23/19 22:12	111-44-4	
2-Chloronaphthalene	ND	ug/kg	389	76.7	1	11/22/19 15:19	11/23/19 22:12	91-58-7	
2-Chlorophenol	ND	ug/kg	389	106	1	11/22/19 15:19	11/23/19 22:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	80.2	1	11/22/19 15:19	11/23/19 22:12	7005-72-3	
Dibenzofuran	ND	ug/kg	389	63.7	1	11/22/19 15:19	11/23/19 22:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	389	104	1	11/22/19 15:19	11/23/19 22:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	389	88.5	1	11/22/19 15:19	11/23/19 22:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	389	110	1	11/22/19 15:19	11/23/19 22:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	84.9	1	11/22/19 15:19	11/23/19 22:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	84.9	1	11/22/19 15:19	11/23/19 22:12	120-83-2	
Diethylphthalate	ND	ug/kg	389	60.2	1	11/22/19 15:19	11/23/19 22:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	153	1	11/22/19 15:19	11/23/19 22:12	105-67-9	
Dimethylphthalate	ND	ug/kg	389	79.0	1	11/22/19 15:19	11/23/19 22:12	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (5.5-6.0) **Lab ID: 92454032032** Collected: 11/14/19 11:50 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	389	63.7	1	11/22/19 15:19	11/23/19 22:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	77.9	1	11/22/19 15:19	11/23/19 22:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.7	1	11/22/19 15:19	11/23/19 22:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	73.1	1	11/22/19 15:19	11/23/19 22:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	81.4	1	11/22/19 15:19	11/23/19 22:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	81.4	1	11/22/19 15:19	11/23/19 22:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	106	1	11/22/19 15:19	11/23/19 22:12	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	67.2	1	11/22/19 15:19	11/23/19 22:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	49.6	1	11/22/19 15:19	11/23/19 22:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	72.0	1	11/22/19 15:19	11/23/19 22:12	77-47-4	v3
Hexachloroethane	ND	ug/kg	389	103	1	11/22/19 15:19	11/23/19 22:12	67-72-1	
Isophorone	ND	ug/kg	389	87.3	1	11/22/19 15:19	11/23/19 22:12	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	118	1	11/22/19 15:19	11/23/19 22:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	389	153	1	11/22/19 15:19	11/23/19 22:12	15831-10-4	
2-Nitroaniline	ND	ug/kg	1950	120	1	11/22/19 15:19	11/23/19 22:12	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/19 15:19	11/23/19 22:12	99-09-2	
4-Nitroaniline	ND	ug/kg	779	110	1	11/22/19 15:19	11/23/19 22:12	100-01-6	
Nitrobenzene	ND	ug/kg	389	106	1	11/22/19 15:19	11/23/19 22:12	98-95-3	
2-Nitrophenol	ND	ug/kg	389	94.4	1	11/22/19 15:19	11/23/19 22:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.6	1	11/22/19 15:19	11/23/19 22:12	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	389	126	1	11/22/19 15:19	11/23/19 22:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	74.3	1	11/22/19 15:19	11/23/19 22:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	116	1	11/22/19 15:19	11/23/19 22:12	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	389	104	1	11/22/19 15:19	11/23/19 22:12	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.8	1	11/22/19 15:19	11/23/19 22:12	87-86-5	
Phenol	ND	ug/kg	389	117	1	11/22/19 15:19	11/23/19 22:12	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	389	75.5	1	11/22/19 15:19	11/23/19 22:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	389	120	1	11/22/19 15:19	11/23/19 22:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	86.1	1	11/22/19 15:19	11/23/19 22:12	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	23-110		1	11/22/19 15:19	11/23/19 22:12	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-110		1	11/22/19 15:19	11/23/19 22:12	321-60-8	
Terphenyl-d14 (S)	65	%	28-110		1	11/22/19 15:19	11/23/19 22:12	1718-51-0	
Phenol-d6 (S)	63	%	22-110		1	11/22/19 15:19	11/23/19 22:12	13127-88-3	
2-Fluorophenol (S)	59	%	13-110		1	11/22/19 15:19	11/23/19 22:12	367-12-4	
2,4,6-Tribromophenol (S)	46	%	27-110		1	11/22/19 15:19	11/23/19 22:12	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	2230	223	25	11/22/19 11:10	11/23/19 11:46	67-64-1	
Benzene	ND	ug/kg	112	35.8	25	11/22/19 11:10	11/23/19 11:46	71-43-2	
Bromobenzene	ND	ug/kg	112	44.7	25	11/22/19 11:10	11/23/19 11:46	108-86-1	
Bromochloromethane	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	74-97-5	
Bromodichloromethane	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	75-27-4	
Bromoform	ND	ug/kg	112	51.4	25	11/22/19 11:10	11/23/19 11:46	75-25-2	
Bromomethane	ND	ug/kg	223	55.9	25	11/22/19 11:10	11/23/19 11:46	74-83-9	

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9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (5.5-6.0) **Lab ID: 92454032032** Collected: 11/14/19 11:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	2230	64.8	25	11/22/19 11:10	11/23/19 11:46	78-93-3	
n-Butylbenzene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	112	35.8	25	11/22/19 11:10	11/23/19 11:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	112	44.7	25	11/22/19 11:10	11/23/19 11:46	98-06-6	
Carbon tetrachloride	ND	ug/kg	112	58.1	25	11/22/19 11:10	11/23/19 11:46	56-23-5	
Chlorobenzene	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	108-90-7	
Chloroethane	ND	ug/kg	223	53.6	25	11/22/19 11:10	11/23/19 11:46	75-00-3	
Chloroform	ND	ug/kg	112	35.8	25	11/22/19 11:10	11/23/19 11:46	67-66-3	
Chloromethane	ND	ug/kg	223	53.6	25	11/22/19 11:10	11/23/19 11:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	112	80.4	25	11/22/19 11:10	11/23/19 11:46	96-12-8	
Dibromochloromethane	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	106-93-4	
Dibromomethane	ND	ug/kg	112	55.9	25	11/22/19 11:10	11/23/19 11:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	112	44.7	25	11/22/19 11:10	11/23/19 11:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	223	80.4	25	11/22/19 11:10	11/23/19 11:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	112	33.5	25	11/22/19 11:10	11/23/19 11:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	112	49.2	25	11/22/19 11:10	11/23/19 11:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	112	31.3	25	11/22/19 11:10	11/23/19 11:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	112	33.5	25	11/22/19 11:10	11/23/19 11:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	112	33.5	25	11/22/19 11:10	11/23/19 11:46	10061-02-6	
Diisopropyl ether	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	108-20-3	
Ethylbenzene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	112	44.7	25	11/22/19 11:10	11/23/19 11:46	87-68-3	
2-Hexanone	ND	ug/kg	1120	87.1	25	11/22/19 11:10	11/23/19 11:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	99-87-6	
Methylene Chloride	**295J**	ug/kg	447	67.0	25	11/22/19 11:10	11/23/19 11:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1120	82.7	25	11/22/19 11:10	11/23/19 11:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	112	33.5	25	11/22/19 11:10	11/23/19 11:46	1634-04-4	
Naphthalene	ND	ug/kg	112	26.8	25	11/22/19 11:10	11/23/19 11:46	91-20-3	
n-Propylbenzene	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	103-65-1	
Styrene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	112	46.9	25	11/22/19 11:10	11/23/19 11:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	79-34-5	
Tetrachloroethene	ND	ug/kg	112	38.0	25	11/22/19 11:10	11/23/19 11:46	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-45 (5.5-6.0) **Lab ID: 92454032032** Collected: 11/14/19 11:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	112	49.2	25	11/22/19 11:10	11/23/19 11:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	112	35.8	25	11/22/19 11:10	11/23/19 11:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	112	46.9	25	11/22/19 11:10	11/23/19 11:46	79-00-5	
Trichloroethene	ND	ug/kg	112	46.9	25	11/22/19 11:10	11/23/19 11:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	112	49.2	25	11/22/19 11:10	11/23/19 11:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	112	35.8	25	11/22/19 11:10	11/23/19 11:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	112	44.7	25	11/22/19 11:10	11/23/19 11:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	112	40.2	25	11/22/19 11:10	11/23/19 11:46	108-67-8	
Vinyl acetate	ND	ug/kg	1120	197	25	11/22/19 11:10	11/23/19 11:46	108-05-4	
Vinyl chloride	ND	ug/kg	223	40.2	25	11/22/19 11:10	11/23/19 11:46	75-01-4	
Xylene (Total)	ND	ug/kg	223	80.4	25	11/22/19 11:10	11/23/19 11:46	1330-20-7	
m&p-Xylene	ND	ug/kg	223	80.4	25	11/22/19 11:10	11/23/19 11:46	179601-23-1	
o-Xylene	ND	ug/kg	112	42.5	25	11/22/19 11:10	11/23/19 11:46	95-47-6	
Surrogates									
Toluene-d8 (S)	109	%	70-130		25	11/22/19 11:10	11/23/19 11:46	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		25	11/22/19 11:10	11/23/19 11:46	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		25	11/22/19 11:10	11/23/19 11:46	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (0.5-1.0) **Lab ID: 92454032033** Collected: 11/14/19 13:10 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**1280**	ug/kg	116	5.8	10	11/22/19 13:21	11/23/19 14:28	83-32-9	
Acenaphthylene	**1450**	ug/kg	116	5.2	10	11/22/19 13:21	11/23/19 14:28	208-96-8	
Anthracene	**3250**	ug/kg	116	4.7	10	11/22/19 13:21	11/23/19 14:28	120-12-7	
Benzo(a)anthracene	**6470**	ug/kg	116	8.4	10	11/22/19 13:21	11/23/19 14:28	56-55-3	
Benzo(a)pyrene	**5890**	ug/kg	116	5.7	10	11/22/19 13:21	11/23/19 14:28	50-32-8	
Benzo(b)fluoranthene	**7700**	ug/kg	116	8.2	10	11/22/19 13:21	11/23/19 14:28	205-99-2	
Benzo(g,h,i)perylene	**3000**	ug/kg	116	12.5	10	11/22/19 13:21	11/23/19 14:28	191-24-2	
Benzo(k)fluoranthene	**2940**	ug/kg	116	4.6	10	11/22/19 13:21	11/23/19 14:28	207-08-9	
Chrysene	**6230**	ug/kg	116	5.6	10	11/22/19 13:21	11/23/19 14:28	218-01-9	
Dibenz(a,h)anthracene	**1080**	ug/kg	116	12.9	10	11/22/19 13:21	11/23/19 14:28	53-70-3	
Fluoranthene	**11000**	ug/kg	231	29.1	20	11/22/19 13:21	11/23/19 15:10	206-44-0	
Fluorene	**1860**	ug/kg	116	4.9	10	11/22/19 13:21	11/23/19 14:28	86-73-7	
Indeno(1,2,3-cd)pyrene	**2720**	ug/kg	116	10.2	10	11/22/19 13:21	11/23/19 14:28	193-39-5	
1-Methylnaphthalene	**1020**	ug/kg	116	7.0	10	11/22/19 13:21	11/23/19 14:28	90-12-0	
2-Methylnaphthalene	**1250**	ug/kg	116	7.0	10	11/22/19 13:21	11/23/19 14:28	91-57-6	
Naphthalene	**2090**	ug/kg	116	7.3	10	11/22/19 13:21	11/23/19 14:28	91-20-3	
Phenanthrene	**9410**	ug/kg	116	12.7	10	11/22/19 13:21	11/23/19 14:28	85-01-8	
Pyrene	**9670**	ug/kg	231	23.8	20	11/22/19 13:21	11/23/19 15:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/22/19 13:21	11/23/19 14:28	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/22/19 13:21	11/23/19 14:28	321-60-8	S4
Terphenyl-d14 (S)	0	%	39-119		10	11/22/19 13:21	11/23/19 14:28	1718-51-0	S4
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	3830	1030	10	11/22/19 15:19	11/24/19 13:03	62-53-3	
Benzoic Acid	ND	ug/kg	19100	696	10	11/22/19 15:19	11/24/19 13:03	65-85-0	
Benzyl alcohol	ND	ug/kg	7650	765	10	11/22/19 15:19	11/24/19 13:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3830	696	10	11/22/19 15:19	11/24/19 13:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3830	812	10	11/22/19 15:19	11/24/19 13:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7650	789	10	11/22/19 15:19	11/24/19 13:03	59-50-7	
4-Chloroaniline	ND	ug/kg	19100	1070	10	11/22/19 15:19	11/24/19 13:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3830	893	10	11/22/19 15:19	11/24/19 13:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3830	974	10	11/22/19 15:19	11/24/19 13:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	3830	754	10	11/22/19 15:19	11/24/19 13:03	91-58-7	
2-Chlorophenol	ND	ug/kg	3830	1040	10	11/22/19 15:19	11/24/19 13:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3830	789	10	11/22/19 15:19	11/24/19 13:03	7005-72-3	
Dibenzofuran	ND	ug/kg	3830	626	10	11/22/19 15:19	11/24/19 13:03	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3830	1020	10	11/22/19 15:19	11/24/19 13:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3830	870	10	11/22/19 15:19	11/24/19 13:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3830	1080	10	11/22/19 15:19	11/24/19 13:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	19100	835	10	11/22/19 15:19	11/24/19 13:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3830	835	10	11/22/19 15:19	11/24/19 13:03	120-83-2	
Diethylphthalate	ND	ug/kg	3830	591	10	11/22/19 15:19	11/24/19 13:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3830	1510	10	11/22/19 15:19	11/24/19 13:03	105-67-9	
Dimethylphthalate	ND	ug/kg	3830	777	10	11/22/19 15:19	11/24/19 13:03	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (0.5-1.0) **Lab ID: 92454032033** Collected: 11/14/19 13:10 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	3830	626	10	11/22/19 15:19	11/24/19 13:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7650	765	10	11/22/19 15:19	11/24/19 13:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19100	626	10	11/22/19 15:19	11/24/19 13:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3830	719	10	11/22/19 15:19	11/24/19 13:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3830	800	10	11/22/19 15:19	11/24/19 13:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3830	800	10	11/22/19 15:19	11/24/19 13:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3830	1040	10	11/22/19 15:19	11/24/19 13:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3830	661	10	11/22/19 15:19	11/24/19 13:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	3830	487	10	11/22/19 15:19	11/24/19 13:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3830	707	10	11/22/19 15:19	11/24/19 13:03	77-47-4	v3
Hexachloroethane	ND	ug/kg	3830	1010	10	11/22/19 15:19	11/24/19 13:03	67-72-1	
Isophorone	ND	ug/kg	3830	858	10	11/22/19 15:19	11/24/19 13:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	3830	1160	10	11/22/19 15:19	11/24/19 13:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3830	1510	10	11/22/19 15:19	11/24/19 13:03	15831-10-4	
2-Nitroaniline	ND	ug/kg	19100	1180	10	11/22/19 15:19	11/24/19 13:03	88-74-4	v1
3-Nitroaniline	ND	ug/kg	19100	1040	10	11/22/19 15:19	11/24/19 13:03	99-09-2	
4-Nitroaniline	ND	ug/kg	7650	1080	10	11/22/19 15:19	11/24/19 13:03	100-01-6	
Nitrobenzene	ND	ug/kg	3830	1040	10	11/22/19 15:19	11/24/19 13:03	98-95-3	
2-Nitrophenol	ND	ug/kg	3830	928	10	11/22/19 15:19	11/24/19 13:03	88-75-5	
4-Nitrophenol	ND	ug/kg	19100	684	10	11/22/19 15:19	11/24/19 13:03	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3830	1240	10	11/22/19 15:19	11/24/19 13:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3830	731	10	11/22/19 15:19	11/24/19 13:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3830	1140	10	11/22/19 15:19	11/24/19 13:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	3830	1020	10	11/22/19 15:19	11/24/19 13:03	108-60-1	
Pentachlorophenol	ND	ug/kg	19100	696	10	11/22/19 15:19	11/24/19 13:03	87-86-5	
Phenol	ND	ug/kg	3830	1150	10	11/22/19 15:19	11/24/19 13:03	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	3830	742	10	11/22/19 15:19	11/24/19 13:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3830	1180	10	11/22/19 15:19	11/24/19 13:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3830	847	10	11/22/19 15:19	11/24/19 13:03	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	11/22/19 15:19	11/24/19 13:03	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	11/22/19 15:19	11/24/19 13:03	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	11/22/19 15:19	11/24/19 13:03	1718-51-0	S4
Phenol-d6 (S)	0	%	22-110		10	11/22/19 15:19	11/24/19 13:03	13127-88-3	S4
2-Fluorophenol (S)	0	%	13-110		10	11/22/19 15:19	11/24/19 13:03	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/22/19 15:19	11/24/19 13:03	118-79-6	S4
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	123	12.3	1	11/21/19 13:47	11/21/19 16:27	67-64-1	
Benzene	ND	ug/kg	6.2	2.0	1	11/21/19 13:47	11/21/19 16:27	71-43-2	
Bromobenzene	ND	ug/kg	6.2	2.5	1	11/21/19 13:47	11/21/19 16:27	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	75-27-4	
Bromoform	ND	ug/kg	6.2	2.8	1	11/21/19 13:47	11/21/19 16:27	75-25-2	
Bromomethane	ND	ug/kg	12.3	3.1	1	11/21/19 13:47	11/21/19 16:27	74-83-9	L1

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (0.5-1.0) **Lab ID: 92454032033** Collected: 11/14/19 13:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	123	3.6	1	11/21/19 13:47	11/21/19 16:27	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	2.0	1	11/21/19 13:47	11/21/19 16:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	2.5	1	11/21/19 13:47	11/21/19 16:27	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	3.2	1	11/21/19 13:47	11/21/19 16:27	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	108-90-7	
Chloroethane	ND	ug/kg	12.3	3.0	1	11/21/19 13:47	11/21/19 16:27	75-00-3	
Chloroform	ND	ug/kg	6.2	2.0	1	11/21/19 13:47	11/21/19 16:27	67-66-3	
Chloromethane	ND	ug/kg	12.3	3.0	1	11/21/19 13:47	11/21/19 16:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	4.4	1	11/21/19 13:47	11/21/19 16:27	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	106-93-4	
Dibromomethane	ND	ug/kg	6.2	3.1	1	11/21/19 13:47	11/21/19 16:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	2.5	1	11/21/19 13:47	11/21/19 16:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.3	4.4	1	11/21/19 13:47	11/21/19 16:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.2	1.8	1	11/21/19 13:47	11/21/19 16:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	2.7	1	11/21/19 13:47	11/21/19 16:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.7	1	11/21/19 13:47	11/21/19 16:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.2	1.8	1	11/21/19 13:47	11/21/19 16:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.8	1	11/21/19 13:47	11/21/19 16:27	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	2.5	1	11/21/19 13:47	11/21/19 16:27	87-68-3	
2-Hexanone	ND	ug/kg	61.6	4.8	1	11/21/19 13:47	11/21/19 16:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	99-87-6	
Methylene Chloride	ND	ug/kg	24.6	3.7	1	11/21/19 13:47	11/21/19 16:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.6	4.6	1	11/21/19 13:47	11/21/19 16:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.8	1	11/21/19 13:47	11/21/19 16:27	1634-04-4	
Naphthalene	**74.9**	ug/kg	6.2	1.5	1	11/21/19 13:47	11/21/19 16:27	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	103-65-1	
Styrene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	2.6	1	11/21/19 13:47	11/21/19 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	2.1	1	11/21/19 13:47	11/21/19 16:27	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (0.5-1.0) **Lab ID: 92454032033** Collected: 11/14/19 13:10 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	2.7	1	11/21/19 13:47	11/21/19 16:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	2.0	1	11/21/19 13:47	11/21/19 16:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	2.6	1	11/21/19 13:47	11/21/19 16:27	79-00-5	
Trichloroethene	ND	ug/kg	6.2	2.6	1	11/21/19 13:47	11/21/19 16:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	2.7	1	11/21/19 13:47	11/21/19 16:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	2.0	1	11/21/19 13:47	11/21/19 16:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	2.5	1	11/21/19 13:47	11/21/19 16:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	2.2	1	11/21/19 13:47	11/21/19 16:27	108-67-8	
Vinyl acetate	ND	ug/kg	61.6	10.8	1	11/21/19 13:47	11/21/19 16:27	108-05-4	
Vinyl chloride	ND	ug/kg	12.3	2.2	1	11/21/19 13:47	11/21/19 16:27	75-01-4	
Xylene (Total)	ND	ug/kg	12.3	4.4	1	11/21/19 13:47	11/21/19 16:27	1330-20-7	
m&p-Xylene	ND	ug/kg	12.3	4.4	1	11/21/19 13:47	11/21/19 16:27	179601-23-1	
o-Xylene	ND	ug/kg	6.2	2.3	1	11/21/19 13:47	11/21/19 16:27	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	11/21/19 13:47	11/21/19 16:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1	11/21/19 13:47	11/21/19 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1	11/21/19 13:47	11/21/19 16:27	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.3**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (5.5-6.0) **Lab ID: 92454032034** Collected: 11/14/19 13:15 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**1150**	ug/kg	68.7	3.4	5	11/23/19 13:01	11/24/19 12:47	83-32-9	M1
Acenaphthylene	**4380**	ug/kg	68.7	3.1	5	11/23/19 13:01	11/24/19 12:47	208-96-8	M1,R1
Anthracene	**21100**	ug/kg	1370	55.9	100	11/23/19 13:01	11/25/19 10:38	120-12-7	M1,R1
Benzo(a)anthracene	**27900**	ug/kg	1370	100	100	11/23/19 13:01	11/25/19 10:38	56-55-3	M1,R1
Benzo(a)pyrene	**21500**	ug/kg	1370	68.2	100	11/23/19 13:01	11/25/19 10:38	50-32-8	M1,R1
Benzo(b)fluoranthene	**27200**	ug/kg	1370	97.8	100	11/23/19 13:01	11/25/19 10:38	205-99-2	M1,R1
Benzo(g,h,i)perylene	**12300**	ug/kg	1370	148	100	11/23/19 13:01	11/25/19 10:38	191-24-2	M1,R1
Benzo(k)fluoranthene	**12100**	ug/kg	1370	54.7	100	11/23/19 13:01	11/25/19 10:38	207-08-9	M1,R1
Chrysene	**24000**	ug/kg	1370	66.5	100	11/23/19 13:01	11/25/19 10:38	218-01-9	M1,R1
Dibenz(a,h)anthracene	**2170**	ug/kg	68.7	7.7	5	11/23/19 13:01	11/24/19 12:47	53-70-3	M1,R1
Fluoranthene	**63300**	ug/kg	1370	173	100	11/23/19 13:01	11/25/19 10:38	206-44-0	M1,R1
Fluorene	**8840**	ug/kg	1370	58.1	100	11/23/19 13:01	11/25/19 10:38	86-73-7	M1
Indeno(1,2,3-cd)pyrene	**11000**	ug/kg	1370	122	100	11/23/19 13:01	11/25/19 10:38	193-39-5	M1,R1
1-Methylnaphthalene	**1170**	ug/kg	68.7	4.2	5	11/23/19 13:01	11/24/19 12:47	90-12-0	M1,R1
2-Methylnaphthalene	**1450**	ug/kg	68.7	4.2	5	11/23/19 13:01	11/24/19 12:47	91-57-6	M1,R1
Naphthalene	**2630**	ug/kg	68.7	4.3	5	11/23/19 13:01	11/24/19 12:47	91-20-3	M1,R1
Phenanthrene	**77700**	ug/kg	1370	151	100	11/23/19 13:01	11/25/19 10:38	85-01-8	M1,R1
Pyrene	**50300**	ug/kg	1370	142	100	11/23/19 13:01	11/25/19 10:38	129-00-0	M1,R1
Surrogates									
Nitrobenzene-d5 (S)	67	%	10-128		5	11/23/19 13:01	11/24/19 12:47	4165-60-0	D3
2-Fluorobiphenyl (S)	59	%	10-110		5	11/23/19 13:01	11/24/19 12:47	321-60-8	
Terphenyl-d14 (S)	59	%	39-119		5	11/23/19 13:01	11/24/19 12:47	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	2250	607	5	11/22/19 15:19	11/24/19 11:39	62-53-3	
Benzoic Acid	ND	ug/kg	11300	410	5	11/22/19 15:19	11/24/19 11:39	65-85-0	
Benzyl alcohol	ND	ug/kg	4500	450	5	11/22/19 15:19	11/24/19 11:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	2250	410	5	11/22/19 15:19	11/24/19 11:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	2250	478	5	11/22/19 15:19	11/24/19 11:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	4500	464	5	11/22/19 15:19	11/24/19 11:39	59-50-7	
4-Chloroaniline	ND	ug/kg	11300	628	5	11/22/19 15:19	11/24/19 11:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	2250	526	5	11/22/19 15:19	11/24/19 11:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	2250	573	5	11/22/19 15:19	11/24/19 11:39	111-44-4	
2-Chloronaphthalene	ND	ug/kg	2250	444	5	11/22/19 15:19	11/24/19 11:39	91-58-7	
2-Chlorophenol	ND	ug/kg	2250	614	5	11/22/19 15:19	11/24/19 11:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	2250	464	5	11/22/19 15:19	11/24/19 11:39	7005-72-3	
Dibenzofuran	ND	ug/kg	2250	369	5	11/22/19 15:19	11/24/19 11:39	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	2250	601	5	11/22/19 15:19	11/24/19 11:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2250	512	5	11/22/19 15:19	11/24/19 11:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2250	635	5	11/22/19 15:19	11/24/19 11:39	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	11300	491	5	11/22/19 15:19	11/24/19 11:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	2250	491	5	11/22/19 15:19	11/24/19 11:39	120-83-2	
Diethylphthalate	ND	ug/kg	2250	348	5	11/22/19 15:19	11/24/19 11:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	2250	887	5	11/22/19 15:19	11/24/19 11:39	105-67-9	
Dimethylphthalate	ND	ug/kg	2250	457	5	11/22/19 15:19	11/24/19 11:39	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (5.5-6.0) **Lab ID: 92454032034** Collected: 11/14/19 13:15 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	2250	369	5	11/22/19 15:19	11/24/19 11:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	4500	450	5	11/22/19 15:19	11/24/19 11:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	11300	369	5	11/22/19 15:19	11/24/19 11:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	2250	423	5	11/22/19 15:19	11/24/19 11:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	2250	471	5	11/22/19 15:19	11/24/19 11:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	2250	471	5	11/22/19 15:19	11/24/19 11:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	2250	614	5	11/22/19 15:19	11/24/19 11:39	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	2250	389	5	11/22/19 15:19	11/24/19 11:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	2250	287	5	11/22/19 15:19	11/24/19 11:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	2250	416	5	11/22/19 15:19	11/24/19 11:39	77-47-4	v3
Hexachloroethane	ND	ug/kg	2250	594	5	11/22/19 15:19	11/24/19 11:39	67-72-1	
Isophorone	ND	ug/kg	2250	505	5	11/22/19 15:19	11/24/19 11:39	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	2250	683	5	11/22/19 15:19	11/24/19 11:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	2250	887	5	11/22/19 15:19	11/24/19 11:39	15831-10-4	
2-Nitroaniline	ND	ug/kg	11300	696	5	11/22/19 15:19	11/24/19 11:39	88-74-4	v1
3-Nitroaniline	ND	ug/kg	11300	614	5	11/22/19 15:19	11/24/19 11:39	99-09-2	
4-Nitroaniline	ND	ug/kg	4500	635	5	11/22/19 15:19	11/24/19 11:39	100-01-6	
Nitrobenzene	ND	ug/kg	2250	614	5	11/22/19 15:19	11/24/19 11:39	98-95-3	
2-Nitrophenol	ND	ug/kg	2250	546	5	11/22/19 15:19	11/24/19 11:39	88-75-5	
4-Nitrophenol	ND	ug/kg	11300	403	5	11/22/19 15:19	11/24/19 11:39	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	2250	730	5	11/22/19 15:19	11/24/19 11:39	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	2250	430	5	11/22/19 15:19	11/24/19 11:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	2250	669	5	11/22/19 15:19	11/24/19 11:39	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	2250	601	5	11/22/19 15:19	11/24/19 11:39	108-60-1	
Pentachlorophenol	ND	ug/kg	11300	410	5	11/22/19 15:19	11/24/19 11:39	87-86-5	
Phenol	ND	ug/kg	2250	676	5	11/22/19 15:19	11/24/19 11:39	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	2250	437	5	11/22/19 15:19	11/24/19 11:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	2250	696	5	11/22/19 15:19	11/24/19 11:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	2250	498	5	11/22/19 15:19	11/24/19 11:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	23-110		5	11/22/19 15:19	11/24/19 11:39	4165-60-0	D3,P2
2-Fluorobiphenyl (S)	67	%	30-110		5	11/22/19 15:19	11/24/19 11:39	321-60-8	
Terphenyl-d14 (S)	49	%	28-110		5	11/22/19 15:19	11/24/19 11:39	1718-51-0	
Phenol-d6 (S)	57	%	22-110		5	11/22/19 15:19	11/24/19 11:39	13127-88-3	
2-Fluorophenol (S)	37	%	13-110		5	11/22/19 15:19	11/24/19 11:39	367-12-4	
2,4,6-Tribromophenol (S)	16	%	27-110		5	11/22/19 15:19	11/24/19 11:39	118-79-6	S0
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**76.8J**	ug/kg	122	12.2	1	11/21/19 13:47	11/21/19 16:51	67-64-1	M1
Benzene	ND	ug/kg	6.1	2.0	1	11/21/19 13:47	11/21/19 16:51	71-43-2	R1
Bromobenzene	ND	ug/kg	6.1	2.4	1	11/21/19 13:47	11/21/19 16:51	108-86-1	R1
Bromochloromethane	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	74-97-5	R1
Bromodichloromethane	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	75-27-4	M1,R1
Bromoform	ND	ug/kg	6.1	2.8	1	11/21/19 13:47	11/21/19 16:51	75-25-2	M1,R1
Bromomethane	ND	ug/kg	12.2	3.1	1	11/21/19 13:47	11/21/19 16:51	74-83-9	L1,R1

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (5.5-6.0) **Lab ID: 92454032034** Collected: 11/14/19 13:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	122	3.5	1	11/21/19 13:47	11/21/19 16:51	78-93-3	
n-Butylbenzene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	104-51-8	M1,R1
sec-Butylbenzene	ND	ug/kg	6.1	2.0	1	11/21/19 13:47	11/21/19 16:51	135-98-8	M1,R1
tert-Butylbenzene	ND	ug/kg	6.1	2.4	1	11/21/19 13:47	11/21/19 16:51	98-06-6	M1,R1
Carbon tetrachloride	ND	ug/kg	6.1	3.2	1	11/21/19 13:47	11/21/19 16:51	56-23-5	M1,R1
Chlorobenzene	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	108-90-7	R1
Chloroethane	ND	ug/kg	12.2	2.9	1	11/21/19 13:47	11/21/19 16:51	75-00-3	M1,R1
Chloroform	ND	ug/kg	6.1	2.0	1	11/21/19 13:47	11/21/19 16:51	67-66-3	R1
Chloromethane	ND	ug/kg	12.2	2.9	1	11/21/19 13:47	11/21/19 16:51	74-87-3	R1
2-Chlorotoluene	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	95-49-8	M1,R1
4-Chlorotoluene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	106-43-4	R1
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.1	4.4	1	11/21/19 13:47	11/21/19 16:51	96-12-8	M1,R1
Dibromochloromethane	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	124-48-1	M1,R1
1,2-Dibromoethane (EDB)	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	106-93-4	R1
Dibromomethane	ND	ug/kg	6.1	3.1	1	11/21/19 13:47	11/21/19 16:51	74-95-3	R1
1,2-Dichlorobenzene	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	95-50-1	M1,R1
1,3-Dichlorobenzene	ND	ug/kg	6.1	2.4	1	11/21/19 13:47	11/21/19 16:51	541-73-1	M1,R1
1,4-Dichlorobenzene	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.2	4.4	1	11/21/19 13:47	11/21/19 16:51	75-71-8	R1
1,1-Dichloroethane	ND	ug/kg	6.1	1.8	1	11/21/19 13:47	11/21/19 16:51	75-34-3	R1
1,2-Dichloroethane	ND	ug/kg	6.1	2.7	1	11/21/19 13:47	11/21/19 16:51	107-06-2	R1
1,1-Dichloroethene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	75-35-4	R1
cis-1,2-Dichloroethene	ND	ug/kg	6.1	1.7	1	11/21/19 13:47	11/21/19 16:51	156-59-2	R1
trans-1,2-Dichloroethene	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	156-60-5	R1
1,2-Dichloropropane	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	78-87-5	R1
1,3-Dichloropropane	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	142-28-9	R1
2,2-Dichloropropane	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	594-20-7	R1
1,1-Dichloropropene	ND	ug/kg	6.1	1.8	1	11/21/19 13:47	11/21/19 16:51	563-58-6	R1
cis-1,3-Dichloropropene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	10061-01-5	M1,R1
trans-1,3-Dichloropropene	ND	ug/kg	6.1	1.8	1	11/21/19 13:47	11/21/19 16:51	10061-02-6	M1,R1
Diisopropyl ether	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	108-20-3	R1
Ethylbenzene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	100-41-4	R1
Hexachloro-1,3-butadiene	ND	ug/kg	6.1	2.4	1	11/21/19 13:47	11/21/19 16:51	87-68-3	M1,R1
2-Hexanone	ND	ug/kg	61.0	4.8	1	11/21/19 13:47	11/21/19 16:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	98-82-8	R1
p-Isopropyltoluene	**2.3J**	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	99-87-6	M1,R1
Methylene Chloride	ND	ug/kg	24.4	3.7	1	11/21/19 13:47	11/21/19 16:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.0	4.5	1	11/21/19 13:47	11/21/19 16:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.1	1.8	1	11/21/19 13:47	11/21/19 16:51	1634-04-4	R1
Naphthalene	**5.7J**	ug/kg	6.1	1.5	1	11/21/19 13:47	11/21/19 16:51	91-20-3	M1,R1
n-Propylbenzene	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	103-65-1	R1
Styrene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	100-42-5	M1,R1
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.1	2.6	1	11/21/19 13:47	11/21/19 16:51	630-20-6	M1,R1
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	79-34-5	M1,R1
Tetrachloroethene	ND	ug/kg	6.1	2.1	1	11/21/19 13:47	11/21/19 16:51	127-18-4	M1,R1

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-46 (5.5-6.0) **Lab ID: 92454032034** Collected: 11/14/19 13:15 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	108-88-3	R1
1,2,3-Trichlorobenzene	ND	ug/kg	6.1	2.7	1	11/21/19 13:47	11/21/19 16:51	87-61-6	M1,R1
1,2,4-Trichlorobenzene	ND	ug/kg	6.1	2.0	1	11/21/19 13:47	11/21/19 16:51	120-82-1	M1,R1
1,1,1-Trichloroethane	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	71-55-6	R1
1,1,2-Trichloroethane	ND	ug/kg	6.1	2.6	1	11/21/19 13:47	11/21/19 16:51	79-00-5	R1
Trichloroethene	ND	ug/kg	6.1	2.6	1	11/21/19 13:47	11/21/19 16:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.1	2.7	1	11/21/19 13:47	11/21/19 16:51	75-69-4	M1,R1
1,2,3-Trichloropropane	ND	ug/kg	6.1	2.0	1	11/21/19 13:47	11/21/19 16:51	96-18-4	R1
1,2,4-Trimethylbenzene	ND	ug/kg	6.1	2.4	1	11/21/19 13:47	11/21/19 16:51	95-63-6	R1
1,3,5-Trimethylbenzene	ND	ug/kg	6.1	2.2	1	11/21/19 13:47	11/21/19 16:51	108-67-8	R1
Vinyl acetate	ND	ug/kg	61.0	10.7	1	11/21/19 13:47	11/21/19 16:51	108-05-4	M1
Vinyl chloride	ND	ug/kg	12.2	2.2	1	11/21/19 13:47	11/21/19 16:51	75-01-4	M1,R1
Xylene (Total)	ND	ug/kg	12.2	4.4	1	11/21/19 13:47	11/21/19 16:51	1330-20-7	RS
m&p-Xylene	ND	ug/kg	12.2	4.4	1	11/21/19 13:47	11/21/19 16:51	179601-23-1	R1
o-Xylene	ND	ug/kg	6.1	2.3	1	11/21/19 13:47	11/21/19 16:51	95-47-6	R1
Surrogates									
Toluene-d8 (S)	92	%	70-130		1	11/21/19 13:47	11/21/19 16:51	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1	11/21/19 13:47	11/21/19 16:51	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1	11/21/19 13:47	11/21/19 16:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.2**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (0.5-1.0) **Lab ID: 92454032035** Collected: 11/14/19 12:50 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.8J**	ug/kg	17.4	0.86	1	11/22/19 13:21	11/23/19 13:05	83-32-9	
Acenaphthylene	**12.0J**	ug/kg	17.4	0.78	1	11/22/19 13:21	11/23/19 13:05	208-96-8	
Anthracene	**19.4**	ug/kg	17.4	0.71	1	11/22/19 13:21	11/23/19 13:05	120-12-7	
Benzo(a)anthracene	**41.0**	ug/kg	17.4	1.3	1	11/22/19 13:21	11/23/19 13:05	56-55-3	
Benzo(a)pyrene	**44.2**	ug/kg	17.4	0.86	1	11/22/19 13:21	11/23/19 13:05	50-32-8	
Benzo(b)fluoranthene	**55.9**	ug/kg	17.4	1.2	1	11/22/19 13:21	11/23/19 13:05	205-99-2	
Benzo(g,h,i)perylene	**34.2**	ug/kg	17.4	1.9	1	11/22/19 13:21	11/23/19 13:05	191-24-2	
Benzo(k)fluoranthene	**20.2**	ug/kg	17.4	0.69	1	11/22/19 13:21	11/23/19 13:05	207-08-9	
Chrysene	**38.8**	ug/kg	17.4	0.84	1	11/22/19 13:21	11/23/19 13:05	218-01-9	
Dibenz(a,h)anthracene	**8.3J**	ug/kg	17.4	1.9	1	11/22/19 13:21	11/23/19 13:05	53-70-3	
Fluoranthene	**76.9**	ug/kg	17.4	2.2	1	11/22/19 13:21	11/23/19 13:05	206-44-0	
Fluorene	**8.5J**	ug/kg	17.4	0.73	1	11/22/19 13:21	11/23/19 13:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**27.8**	ug/kg	17.4	1.5	1	11/22/19 13:21	11/23/19 13:05	193-39-5	
1-Methylnaphthalene	**13.2J**	ug/kg	17.4	1.1	1	11/22/19 13:21	11/23/19 13:05	90-12-0	
2-Methylnaphthalene	**16.6J**	ug/kg	17.4	1.1	1	11/22/19 13:21	11/23/19 13:05	91-57-6	
Naphthalene	**26.1**	ug/kg	17.4	1.1	1	11/22/19 13:21	11/23/19 13:05	91-20-3	
Phenanthrene	**76.3**	ug/kg	17.4	1.9	1	11/22/19 13:21	11/23/19 13:05	85-01-8	
Pyrene	**77.0**	ug/kg	17.4	1.8	1	11/22/19 13:21	11/23/19 13:05	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	10-128		1	11/22/19 13:21	11/23/19 13:05	4165-60-0	
2-Fluorobiphenyl (S)	51	%	10-110		1	11/22/19 13:21	11/23/19 13:05	321-60-8	
Terphenyl-d14 (S)	52	%	39-119		1	11/22/19 13:21	11/23/19 13:05	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	590	159	1	11/22/19 15:19	11/23/19 22:40	62-53-3	
Benzoic Acid	ND	ug/kg	2950	107	1	11/22/19 15:19	11/23/19 22:40	65-85-0	
Benzyl alcohol	ND	ug/kg	1180	118	1	11/22/19 15:19	11/23/19 22:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	590	107	1	11/22/19 15:19	11/23/19 22:40	101-55-3	
Butylbenzylphthalate	ND	ug/kg	590	125	1	11/22/19 15:19	11/23/19 22:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	1180	122	1	11/22/19 15:19	11/23/19 22:40	59-50-7	
4-Chloroaniline	ND	ug/kg	2950	164	1	11/22/19 15:19	11/23/19 22:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	590	138	1	11/22/19 15:19	11/23/19 22:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	590	150	1	11/22/19 15:19	11/23/19 22:40	111-44-4	
2-Chloronaphthalene	ND	ug/kg	590	116	1	11/22/19 15:19	11/23/19 22:40	91-58-7	
2-Chlorophenol	ND	ug/kg	590	161	1	11/22/19 15:19	11/23/19 22:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	590	122	1	11/22/19 15:19	11/23/19 22:40	7005-72-3	
Dibenzofuran	ND	ug/kg	590	96.5	1	11/22/19 15:19	11/23/19 22:40	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	590	157	1	11/22/19 15:19	11/23/19 22:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	590	134	1	11/22/19 15:19	11/23/19 22:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	590	166	1	11/22/19 15:19	11/23/19 22:40	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2950	129	1	11/22/19 15:19	11/23/19 22:40	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	590	129	1	11/22/19 15:19	11/23/19 22:40	120-83-2	
Diethylphthalate	ND	ug/kg	590	91.2	1	11/22/19 15:19	11/23/19 22:40	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	590	232	1	11/22/19 15:19	11/23/19 22:40	105-67-9	
Dimethylphthalate	ND	ug/kg	590	120	1	11/22/19 15:19	11/23/19 22:40	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (0.5-1.0) **Lab ID: 92454032035** Collected: 11/14/19 12:50 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	590	96.5	1	11/22/19 15:19	11/23/19 22:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1180	118	1	11/22/19 15:19	11/23/19 22:40	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2950	96.5	1	11/22/19 15:19	11/23/19 22:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	590	111	1	11/22/19 15:19	11/23/19 22:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	590	123	1	11/22/19 15:19	11/23/19 22:40	606-20-2	
Di-n-octylphthalate	ND	ug/kg	590	123	1	11/22/19 15:19	11/23/19 22:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	590	161	1	11/22/19 15:19	11/23/19 22:40	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	590	102	1	11/22/19 15:19	11/23/19 22:40	87-68-3	
Hexachlorobenzene	ND	ug/kg	590	75.1	1	11/22/19 15:19	11/23/19 22:40	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	590	109	1	11/22/19 15:19	11/23/19 22:40	77-47-4	v3
Hexachloroethane	ND	ug/kg	590	156	1	11/22/19 15:19	11/23/19 22:40	67-72-1	
Isophorone	ND	ug/kg	590	132	1	11/22/19 15:19	11/23/19 22:40	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	590	179	1	11/22/19 15:19	11/23/19 22:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	590	232	1	11/22/19 15:19	11/23/19 22:40	15831-10-4	
2-Nitroaniline	ND	ug/kg	2950	182	1	11/22/19 15:19	11/23/19 22:40	88-74-4	
3-Nitroaniline	ND	ug/kg	2950	161	1	11/22/19 15:19	11/23/19 22:40	99-09-2	
4-Nitroaniline	ND	ug/kg	1180	166	1	11/22/19 15:19	11/23/19 22:40	100-01-6	
Nitrobenzene	ND	ug/kg	590	161	1	11/22/19 15:19	11/23/19 22:40	98-95-3	
2-Nitrophenol	ND	ug/kg	590	143	1	11/22/19 15:19	11/23/19 22:40	88-75-5	
4-Nitrophenol	ND	ug/kg	2950	105	1	11/22/19 15:19	11/23/19 22:40	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	590	191	1	11/22/19 15:19	11/23/19 22:40	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	590	113	1	11/22/19 15:19	11/23/19 22:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	590	175	1	11/22/19 15:19	11/23/19 22:40	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	590	157	1	11/22/19 15:19	11/23/19 22:40	108-60-1	
Pentachlorophenol	ND	ug/kg	2950	107	1	11/22/19 15:19	11/23/19 22:40	87-86-5	
Phenol	ND	ug/kg	590	177	1	11/22/19 15:19	11/23/19 22:40	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	590	114	1	11/22/19 15:19	11/23/19 22:40	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	590	182	1	11/22/19 15:19	11/23/19 22:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	590	131	1	11/22/19 15:19	11/23/19 22:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	23-110		1	11/22/19 15:19	11/23/19 22:40	4165-60-0	
2-Fluorobiphenyl (S)	53	%	30-110		1	11/22/19 15:19	11/23/19 22:40	321-60-8	
Terphenyl-d14 (S)	44	%	28-110		1	11/22/19 15:19	11/23/19 22:40	1718-51-0	
Phenol-d6 (S)	62	%	22-110		1	11/22/19 15:19	11/23/19 22:40	13127-88-3	
2-Fluorophenol (S)	62	%	13-110		1	11/22/19 15:19	11/23/19 22:40	367-12-4	
2,4,6-Tribromophenol (S)	60	%	27-110		1	11/22/19 15:19	11/23/19 22:40	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	177	17.7	1	11/23/19 09:52	11/23/19 11:13	67-64-1	
Benzene	ND	ug/kg	8.9	2.8	1	11/23/19 09:52	11/23/19 11:13	71-43-2	
Bromobenzene	ND	ug/kg	8.9	3.5	1	11/23/19 09:52	11/23/19 11:13	108-86-1	
Bromochloromethane	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	74-97-5	
Bromodichloromethane	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	75-27-4	
Bromoform	ND	ug/kg	8.9	4.1	1	11/23/19 09:52	11/23/19 11:13	75-25-2	
Bromomethane	ND	ug/kg	17.7	4.4	1	11/23/19 09:52	11/23/19 11:13	74-83-9	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (0.5-1.0) **Lab ID: 92454032035** Collected: 11/14/19 12:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	177	5.1	1	11/23/19 09:52	11/23/19 11:13	78-93-3	
n-Butylbenzene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.9	2.8	1	11/23/19 09:52	11/23/19 11:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.9	3.5	1	11/23/19 09:52	11/23/19 11:13	98-06-6	
Carbon tetrachloride	ND	ug/kg	8.9	4.6	1	11/23/19 09:52	11/23/19 11:13	56-23-5	
Chlorobenzene	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	108-90-7	
Chloroethane	ND	ug/kg	17.7	4.3	1	11/23/19 09:52	11/23/19 11:13	75-00-3	
Chloroform	ND	ug/kg	8.9	2.8	1	11/23/19 09:52	11/23/19 11:13	67-66-3	
Chloromethane	ND	ug/kg	17.7	4.3	1	11/23/19 09:52	11/23/19 11:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.9	6.4	1	11/23/19 09:52	11/23/19 11:13	96-12-8	
Dibromochloromethane	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	106-93-4	
Dibromomethane	ND	ug/kg	8.9	4.4	1	11/23/19 09:52	11/23/19 11:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.9	3.5	1	11/23/19 09:52	11/23/19 11:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	17.7	6.4	1	11/23/19 09:52	11/23/19 11:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	8.9	2.7	1	11/23/19 09:52	11/23/19 11:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.9	3.9	1	11/23/19 09:52	11/23/19 11:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.9	2.5	1	11/23/19 09:52	11/23/19 11:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	8.9	2.7	1	11/23/19 09:52	11/23/19 11:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.9	2.7	1	11/23/19 09:52	11/23/19 11:13	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	108-20-3	
Ethylbenzene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	8.9	3.5	1	11/23/19 09:52	11/23/19 11:13	87-68-3	
2-Hexanone	ND	ug/kg	88.6	6.9	1	11/23/19 09:52	11/23/19 11:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	99-87-6	
Methylene Chloride	ND	ug/kg	35.4	5.3	1	11/23/19 09:52	11/23/19 11:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	88.6	6.6	1	11/23/19 09:52	11/23/19 11:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.9	2.7	1	11/23/19 09:52	11/23/19 11:13	1634-04-4	
Naphthalene	ND	ug/kg	8.9	2.1	1	11/23/19 09:52	11/23/19 11:13	91-20-3	
n-Propylbenzene	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	103-65-1	
Styrene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.9	3.7	1	11/23/19 09:52	11/23/19 11:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	79-34-5	
Tetrachloroethene	ND	ug/kg	8.9	3.0	1	11/23/19 09:52	11/23/19 11:13	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (0.5-1.0) **Lab ID: 92454032035** Collected: 11/14/19 12:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.9	3.9	1	11/23/19 09:52	11/23/19 11:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.9	2.8	1	11/23/19 09:52	11/23/19 11:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.9	3.7	1	11/23/19 09:52	11/23/19 11:13	79-00-5	
Trichloroethene	ND	ug/kg	8.9	3.7	1	11/23/19 09:52	11/23/19 11:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.9	3.9	1	11/23/19 09:52	11/23/19 11:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.9	2.8	1	11/23/19 09:52	11/23/19 11:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	8.9	3.5	1	11/23/19 09:52	11/23/19 11:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	8.9	3.2	1	11/23/19 09:52	11/23/19 11:13	108-67-8	
Vinyl acetate	ND	ug/kg	88.6	15.6	1	11/23/19 09:52	11/23/19 11:13	108-05-4	
Vinyl chloride	ND	ug/kg	17.7	3.2	1	11/23/19 09:52	11/23/19 11:13	75-01-4	
Xylene (Total)	ND	ug/kg	17.7	6.4	1	11/23/19 09:52	11/23/19 11:13	1330-20-7	
m&p-Xylene	ND	ug/kg	17.7	6.4	1	11/23/19 09:52	11/23/19 11:13	179601-23-1	
o-Xylene	ND	ug/kg	8.9	3.4	1	11/23/19 09:52	11/23/19 11:13	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	70-130		1	11/23/19 09:52	11/23/19 11:13	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1	11/23/19 09:52	11/23/19 11:13	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1	11/23/19 09:52	11/23/19 11:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**43.3**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (5.5-6.0) **Lab ID: 92454032036** Collected: 11/14/19 12:55 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.3	0.62	1	11/22/19 13:21	11/23/19 13:26	83-32-9	
Acenaphthylene	ND	ug/kg	12.3	0.56	1	11/22/19 13:21	11/23/19 13:26	208-96-8	
Anthracene	**1.1J**	ug/kg	12.3	0.50	1	11/22/19 13:21	11/23/19 13:26	120-12-7	
Benzo(a)anthracene	**2.3J**	ug/kg	12.3	0.90	1	11/22/19 13:21	11/23/19 13:26	56-55-3	
Benzo(a)pyrene	**2.6J**	ug/kg	12.3	0.61	1	11/22/19 13:21	11/23/19 13:26	50-32-8	
Benzo(b)fluoranthene	**4.6J**	ug/kg	12.3	0.88	1	11/22/19 13:21	11/23/19 13:26	205-99-2	
Benzo(g,h,i)perylene	**3.0J**	ug/kg	12.3	1.3	1	11/22/19 13:21	11/23/19 13:26	191-24-2	
Benzo(k)fluoranthene	**1.5J**	ug/kg	12.3	0.49	1	11/22/19 13:21	11/23/19 13:26	207-08-9	
Chrysene	**2.7J**	ug/kg	12.3	0.60	1	11/22/19 13:21	11/23/19 13:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.3	1.4	1	11/22/19 13:21	11/23/19 13:26	53-70-3	
Fluoranthene	**4.2J**	ug/kg	12.3	1.6	1	11/22/19 13:21	11/23/19 13:26	206-44-0	
Fluorene	ND	ug/kg	12.3	0.52	1	11/22/19 13:21	11/23/19 13:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**2.5J**	ug/kg	12.3	1.1	1	11/22/19 13:21	11/23/19 13:26	193-39-5	
1-Methylnaphthalene	**1.4J**	ug/kg	12.3	0.75	1	11/22/19 13:21	11/23/19 13:26	90-12-0	
2-Methylnaphthalene	**1.9J**	ug/kg	12.3	0.75	1	11/22/19 13:21	11/23/19 13:26	91-57-6	
Naphthalene	**2.8J**	ug/kg	12.3	0.78	1	11/22/19 13:21	11/23/19 13:26	91-20-3	
Phenanthrene	**4.2J**	ug/kg	12.3	1.4	1	11/22/19 13:21	11/23/19 13:26	85-01-8	
Pyrene	**3.3J**	ug/kg	12.3	1.3	1	11/22/19 13:21	11/23/19 13:26	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/19 13:21	11/23/19 13:26	4165-60-0	
2-Fluorobiphenyl (S)	70	%	10-110		1	11/22/19 13:21	11/23/19 13:26	321-60-8	
Terphenyl-d14 (S)	50	%	39-119		1	11/22/19 13:21	11/23/19 13:26	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	412	111	1	11/22/19 15:19	11/23/19 23:08	62-53-3	
Benzoic Acid	ND	ug/kg	2060	74.9	1	11/22/19 15:19	11/23/19 23:08	65-85-0	
Benzyl alcohol	ND	ug/kg	823	82.3	1	11/22/19 15:19	11/23/19 23:08	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	412	74.9	1	11/22/19 15:19	11/23/19 23:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	412	87.3	1	11/22/19 15:19	11/23/19 23:08	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	823	84.8	1	11/22/19 15:19	11/23/19 23:08	59-50-7	
4-Chloroaniline	ND	ug/kg	2060	115	1	11/22/19 15:19	11/23/19 23:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	412	96.1	1	11/22/19 15:19	11/23/19 23:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	412	105	1	11/22/19 15:19	11/23/19 23:08	111-44-4	
2-Chloronaphthalene	ND	ug/kg	412	81.1	1	11/22/19 15:19	11/23/19 23:08	91-58-7	
2-Chlorophenol	ND	ug/kg	412	112	1	11/22/19 15:19	11/23/19 23:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	412	84.8	1	11/22/19 15:19	11/23/19 23:08	7005-72-3	
Dibenzofuran	ND	ug/kg	412	67.4	1	11/22/19 15:19	11/23/19 23:08	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	412	110	1	11/22/19 15:19	11/23/19 23:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	412	93.6	1	11/22/19 15:19	11/23/19 23:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	412	116	1	11/22/19 15:19	11/23/19 23:08	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2060	89.8	1	11/22/19 15:19	11/23/19 23:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	412	89.8	1	11/22/19 15:19	11/23/19 23:08	120-83-2	
Diethylphthalate	ND	ug/kg	412	63.6	1	11/22/19 15:19	11/23/19 23:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	412	162	1	11/22/19 15:19	11/23/19 23:08	105-67-9	
Dimethylphthalate	ND	ug/kg	412	83.6	1	11/22/19 15:19	11/23/19 23:08	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (5.5-6.0) **Lab ID: 92454032036** Collected: 11/14/19 12:55 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	412	67.4	1	11/22/19 15:19	11/23/19 23:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	823	82.3	1	11/22/19 15:19	11/23/19 23:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2060	67.4	1	11/22/19 15:19	11/23/19 23:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	412	77.3	1	11/22/19 15:19	11/23/19 23:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	412	86.1	1	11/22/19 15:19	11/23/19 23:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	412	86.1	1	11/22/19 15:19	11/23/19 23:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	412	112	1	11/22/19 15:19	11/23/19 23:08	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	412	71.1	1	11/22/19 15:19	11/23/19 23:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	412	52.4	1	11/22/19 15:19	11/23/19 23:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	412	76.1	1	11/22/19 15:19	11/23/19 23:08	77-47-4	v3
Hexachloroethane	ND	ug/kg	412	109	1	11/22/19 15:19	11/23/19 23:08	67-72-1	
Isophorone	ND	ug/kg	412	92.3	1	11/22/19 15:19	11/23/19 23:08	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	412	125	1	11/22/19 15:19	11/23/19 23:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	412	162	1	11/22/19 15:19	11/23/19 23:08	15831-10-4	
2-Nitroaniline	ND	ug/kg	2060	127	1	11/22/19 15:19	11/23/19 23:08	88-74-4	
3-Nitroaniline	ND	ug/kg	2060	112	1	11/22/19 15:19	11/23/19 23:08	99-09-2	
4-Nitroaniline	ND	ug/kg	823	116	1	11/22/19 15:19	11/23/19 23:08	100-01-6	
Nitrobenzene	ND	ug/kg	412	112	1	11/22/19 15:19	11/23/19 23:08	98-95-3	
2-Nitrophenol	ND	ug/kg	412	99.8	1	11/22/19 15:19	11/23/19 23:08	88-75-5	
4-Nitrophenol	ND	ug/kg	2060	73.6	1	11/22/19 15:19	11/23/19 23:08	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	412	133	1	11/22/19 15:19	11/23/19 23:08	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	412	78.6	1	11/22/19 15:19	11/23/19 23:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	412	122	1	11/22/19 15:19	11/23/19 23:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	412	110	1	11/22/19 15:19	11/23/19 23:08	108-60-1	
Pentachlorophenol	ND	ug/kg	2060	74.9	1	11/22/19 15:19	11/23/19 23:08	87-86-5	
Phenol	ND	ug/kg	412	124	1	11/22/19 15:19	11/23/19 23:08	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	412	79.8	1	11/22/19 15:19	11/23/19 23:08	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	412	127	1	11/22/19 15:19	11/23/19 23:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	412	91.1	1	11/22/19 15:19	11/23/19 23:08	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	23-110		1	11/22/19 15:19	11/23/19 23:08	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110		1	11/22/19 15:19	11/23/19 23:08	321-60-8	
Terphenyl-d14 (S)	45	%	28-110		1	11/22/19 15:19	11/23/19 23:08	1718-51-0	
Phenol-d6 (S)	77	%	22-110		1	11/22/19 15:19	11/23/19 23:08	13127-88-3	
2-Fluorophenol (S)	76	%	13-110		1	11/22/19 15:19	11/23/19 23:08	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	11/22/19 15:19	11/23/19 23:08	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	91.3	9.1	1	11/23/19 09:52	11/23/19 11:39	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 11:39	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 11:39	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1	11/23/19 09:52	11/23/19 11:39	75-25-2	
Bromomethane	ND	ug/kg	9.1	2.3	1	11/23/19 09:52	11/23/19 11:39	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (5.5-6.0) **Lab ID: 92454032036** Collected: 11/14/19 12:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	91.3	2.6	1	11/23/19 09:52	11/23/19 11:39	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 11:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 11:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1	11/23/19 09:52	11/23/19 11:39	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	108-90-7	
Chloroethane	ND	ug/kg	9.1	2.2	1	11/23/19 09:52	11/23/19 11:39	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 11:39	67-66-3	
Chloromethane	ND	ug/kg	9.1	2.2	1	11/23/19 09:52	11/23/19 11:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1	11/23/19 09:52	11/23/19 11:39	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	106-93-4	
Dibromomethane	ND	ug/kg	4.6	2.3	1	11/23/19 09:52	11/23/19 11:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 11:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.1	3.3	1	11/23/19 09:52	11/23/19 11:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 11:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 11:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1	11/23/19 09:52	11/23/19 11:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 11:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 11:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 11:39	87-68-3	
2-Hexanone	ND	ug/kg	45.7	3.6	1	11/23/19 09:52	11/23/19 11:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	2.7	1	11/23/19 09:52	11/23/19 11:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.7	3.4	1	11/23/19 09:52	11/23/19 11:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 11:39	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1.1	1	11/23/19 09:52	11/23/19 11:39	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	103-65-1	
Styrene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 11:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: SA-SB-47 (5.5-6.0) **Lab ID: 92454032036** Collected: 11/14/19 12:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 11:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 11:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 11:39	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 11:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 11:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 11:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 11:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 11:39	108-67-8	
Vinyl acetate	ND	ug/kg	45.7	8.0	1	11/23/19 09:52	11/23/19 11:39	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1.6	1	11/23/19 09:52	11/23/19 11:39	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	3.3	1	11/23/19 09:52	11/23/19 11:39	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	3.3	1	11/23/19 09:52	11/23/19 11:39	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 11:39	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	70-130		1	11/23/19 09:52	11/23/19 11:39	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	11/23/19 09:52	11/23/19 11:39	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1	11/23/19 09:52	11/23/19 11:39	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.8**	%	0.10	0.10	1		11/19/19 12:41		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-4 **Lab ID: 92454032037** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**17.6**	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 13:47	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	0.53	1	11/22/19 13:21	11/23/19 13:47	208-96-8	
Anthracene	**111**	ug/kg	11.8	0.48	1	11/22/19 13:21	11/23/19 13:47	120-12-7	
Benzo(a)anthracene	**135**	ug/kg	11.8	0.86	1	11/22/19 13:21	11/23/19 13:47	56-55-3	
Benzo(a)pyrene	**112**	ug/kg	11.8	0.59	1	11/22/19 13:21	11/23/19 13:47	50-32-8	
Benzo(b)fluoranthene	**163**	ug/kg	11.8	0.84	1	11/22/19 13:21	11/23/19 13:47	205-99-2	
Benzo(g,h,i)perylene	**106**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 13:47	191-24-2	
Benzo(k)fluoranthene	**67.0**	ug/kg	11.8	0.47	1	11/22/19 13:21	11/23/19 13:47	207-08-9	
Chrysene	**146**	ug/kg	11.8	0.57	1	11/22/19 13:21	11/23/19 13:47	218-01-9	
Dibenz(a,h)anthracene	**25.6**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 13:47	53-70-3	
Fluoranthene	**295**	ug/kg	11.8	1.5	1	11/22/19 13:21	11/23/19 13:47	206-44-0	
Fluorene	**37.1**	ug/kg	11.8	0.50	1	11/22/19 13:21	11/23/19 13:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**80.4**	ug/kg	11.8	1.0	1	11/22/19 13:21	11/23/19 13:47	193-39-5	
1-Methylnaphthalene	**67.7**	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 13:47	90-12-0	
2-Methylnaphthalene	**109**	ug/kg	11.8	0.72	1	11/22/19 13:21	11/23/19 13:47	91-57-6	
Naphthalene	**164**	ug/kg	11.8	0.75	1	11/22/19 13:21	11/23/19 13:47	91-20-3	
Phenanthrene	**399**	ug/kg	11.8	1.3	1	11/22/19 13:21	11/23/19 13:47	85-01-8	
Pyrene	**260**	ug/kg	11.8	1.2	1	11/22/19 13:21	11/23/19 13:47	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	10-128		1	11/22/19 13:21	11/23/19 13:47	4165-60-0	
2-Fluorobiphenyl (S)	78	%	10-110		1	11/22/19 13:21	11/23/19 13:47	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/22/19 13:21	11/23/19 13:47	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	396	107	1	11/22/19 15:19	11/23/19 23:36	62-53-3	
Benzoic Acid	ND	ug/kg	1980	72.0	1	11/22/19 15:19	11/23/19 23:36	65-85-0	
Benzyl alcohol	ND	ug/kg	792	79.2	1	11/22/19 15:19	11/23/19 23:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	72.0	1	11/22/19 15:19	11/23/19 23:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	84.0	1	11/22/19 15:19	11/23/19 23:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	792	81.6	1	11/22/19 15:19	11/23/19 23:36	59-50-7	
4-Chloroaniline	ND	ug/kg	1980	110	1	11/22/19 15:19	11/23/19 23:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	92.5	1	11/22/19 15:19	11/23/19 23:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	101	1	11/22/19 15:19	11/23/19 23:36	111-44-4	
2-Chloronaphthalene	ND	ug/kg	396	78.0	1	11/22/19 15:19	11/23/19 23:36	91-58-7	
2-Chlorophenol	ND	ug/kg	396	108	1	11/22/19 15:19	11/23/19 23:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	81.6	1	11/22/19 15:19	11/23/19 23:36	7005-72-3	
Dibenzofuran	**123J**	ug/kg	396	64.8	1	11/22/19 15:19	11/23/19 23:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	396	106	1	11/22/19 15:19	11/23/19 23:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	396	90.1	1	11/22/19 15:19	11/23/19 23:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	396	112	1	11/22/19 15:19	11/23/19 23:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1980	86.4	1	11/22/19 15:19	11/23/19 23:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	396	86.4	1	11/22/19 15:19	11/23/19 23:36	120-83-2	
Diethylphthalate	ND	ug/kg	396	61.2	1	11/22/19 15:19	11/23/19 23:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	156	1	11/22/19 15:19	11/23/19 23:36	105-67-9	
Dimethylphthalate	ND	ug/kg	396	80.4	1	11/22/19 15:19	11/23/19 23:36	131-11-3	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-4 **Lab ID: 92454032037** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	396	64.8	1	11/22/19 15:19	11/23/19 23:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	792	79.2	1	11/22/19 15:19	11/23/19 23:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	64.8	1	11/22/19 15:19	11/23/19 23:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	74.4	1	11/22/19 15:19	11/23/19 23:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	82.8	1	11/22/19 15:19	11/23/19 23:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	82.8	1	11/22/19 15:19	11/23/19 23:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	108	1	11/22/19 15:19	11/23/19 23:36	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	396	68.4	1	11/22/19 15:19	11/23/19 23:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	396	50.4	1	11/22/19 15:19	11/23/19 23:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	396	73.2	1	11/22/19 15:19	11/23/19 23:36	77-47-4	v3
Hexachloroethane	ND	ug/kg	396	104	1	11/22/19 15:19	11/23/19 23:36	67-72-1	
Isophorone	ND	ug/kg	396	88.8	1	11/22/19 15:19	11/23/19 23:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	120	1	11/22/19 15:19	11/23/19 23:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	396	156	1	11/22/19 15:19	11/23/19 23:36	15831-10-4	
2-Nitroaniline	ND	ug/kg	1980	122	1	11/22/19 15:19	11/23/19 23:36	88-74-4	
3-Nitroaniline	ND	ug/kg	1980	108	1	11/22/19 15:19	11/23/19 23:36	99-09-2	
4-Nitroaniline	ND	ug/kg	792	112	1	11/22/19 15:19	11/23/19 23:36	100-01-6	
Nitrobenzene	ND	ug/kg	396	108	1	11/22/19 15:19	11/23/19 23:36	98-95-3	
2-Nitrophenol	ND	ug/kg	396	96.1	1	11/22/19 15:19	11/23/19 23:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	70.8	1	11/22/19 15:19	11/23/19 23:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	396	128	1	11/22/19 15:19	11/23/19 23:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	75.6	1	11/22/19 15:19	11/23/19 23:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	118	1	11/22/19 15:19	11/23/19 23:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	396	106	1	11/22/19 15:19	11/23/19 23:36	108-60-1	
Pentachlorophenol	ND	ug/kg	1980	72.0	1	11/22/19 15:19	11/23/19 23:36	87-86-5	
Phenol	ND	ug/kg	396	119	1	11/22/19 15:19	11/23/19 23:36	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	396	76.8	1	11/22/19 15:19	11/23/19 23:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	396	122	1	11/22/19 15:19	11/23/19 23:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	87.6	1	11/22/19 15:19	11/23/19 23:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	23-110		1	11/22/19 15:19	11/23/19 23:36	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-110		1	11/22/19 15:19	11/23/19 23:36	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/22/19 15:19	11/23/19 23:36	1718-51-0	
Phenol-d6 (S)	64	%	22-110		1	11/22/19 15:19	11/23/19 23:36	13127-88-3	
2-Fluorophenol (S)	63	%	13-110		1	11/22/19 15:19	11/23/19 23:36	367-12-4	
2,4,6-Tribromophenol (S)	60	%	27-110		1	11/22/19 15:19	11/23/19 23:36	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**63.3J**	ug/kg	92.2	9.2	1	11/23/19 09:52	11/23/19 12:04	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 12:04	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1	11/23/19 09:52	11/23/19 12:04	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1	11/23/19 09:52	11/23/19 12:04	74-83-9	

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(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-4 **Lab ID: 92454032037** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	92.2	2.7	1	11/23/19 09:52	11/23/19 12:04	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 12:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1	11/23/19 09:52	11/23/19 12:04	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1	11/23/19 09:52	11/23/19 12:04	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 12:04	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1	11/23/19 09:52	11/23/19 12:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1	11/23/19 09:52	11/23/19 12:04	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	106-93-4	
Dibromomethane	ND	ug/kg	4.6	2.3	1	11/23/19 09:52	11/23/19 12:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1	11/23/19 09:52	11/23/19 12:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 12:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 12:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1	11/23/19 09:52	11/23/19 12:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 12:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 12:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	87-68-3	
2-Hexanone	ND	ug/kg	46.1	3.6	1	11/23/19 09:52	11/23/19 12:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	2.8	1	11/23/19 09:52	11/23/19 12:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.1	3.4	1	11/23/19 09:52	11/23/19 12:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1	11/23/19 09:52	11/23/19 12:04	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1.1	1	11/23/19 09:52	11/23/19 12:04	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	103-65-1	
Styrene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 12:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1	11/23/19 09:52	11/23/19 12:04	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-4 **Lab ID: 92454032037** Collected: 11/14/19 10:50 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 12:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 12:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 12:04	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1	11/23/19 09:52	11/23/19 12:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1	11/23/19 09:52	11/23/19 12:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1.5	1	11/23/19 09:52	11/23/19 12:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.7	1	11/23/19 09:52	11/23/19 12:04	108-67-8	
Vinyl acetate	ND	ug/kg	46.1	8.1	1	11/23/19 09:52	11/23/19 12:04	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1.7	1	11/23/19 09:52	11/23/19 12:04	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	3.3	1	11/23/19 09:52	11/23/19 12:04	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	3.3	1	11/23/19 09:52	11/23/19 12:04	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.8	1	11/23/19 09:52	11/23/19 12:04	95-47-6	
Surrogates									
Toluene-d8 (S)	116	%	70-130		1	11/23/19 09:52	11/23/19 12:04	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1	11/23/19 09:52	11/23/19 12:04	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1	11/23/19 09:52	11/23/19 12:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		11/19/19 12:42		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-5 **Lab ID: 92454032038** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**577**	ug/kg	116	5.8	10	11/22/19 13:21	11/23/19 14:49	83-32-9	
Acenaphthylene	**786**	ug/kg	116	5.2	10	11/22/19 13:21	11/23/19 14:49	208-96-8	
Anthracene	**1300**	ug/kg	116	4.7	10	11/22/19 13:21	11/23/19 14:49	120-12-7	
Benzo(a)anthracene	**2760**	ug/kg	116	8.4	10	11/22/19 13:21	11/23/19 14:49	56-55-3	
Benzo(a)pyrene	**2380**	ug/kg	116	5.8	10	11/22/19 13:21	11/23/19 14:49	50-32-8	
Benzo(b)fluoranthene	**3420**	ug/kg	116	8.3	10	11/22/19 13:21	11/23/19 14:49	205-99-2	
Benzo(g,h,i)perylene	**1270**	ug/kg	116	12.5	10	11/22/19 13:21	11/23/19 14:49	191-24-2	
Benzo(k)fluoranthene	**1090**	ug/kg	116	4.6	10	11/22/19 13:21	11/23/19 14:49	207-08-9	
Chrysene	**2670**	ug/kg	116	5.6	10	11/22/19 13:21	11/23/19 14:49	218-01-9	
Dibenz(a,h)anthracene	**362**	ug/kg	116	13.0	10	11/22/19 13:21	11/23/19 14:49	53-70-3	
Fluoranthene	**5040**	ug/kg	116	14.6	10	11/22/19 13:21	11/23/19 14:49	206-44-0	
Fluorene	**799**	ug/kg	116	4.9	10	11/22/19 13:21	11/23/19 14:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**1140**	ug/kg	116	10.3	10	11/22/19 13:21	11/23/19 14:49	193-39-5	
1-Methylnaphthalene	**415**	ug/kg	116	7.0	10	11/22/19 13:21	11/23/19 14:49	90-12-0	
2-Methylnaphthalene	**477**	ug/kg	116	7.0	10	11/22/19 13:21	11/23/19 14:49	91-57-6	
Naphthalene	**806**	ug/kg	116	7.3	10	11/22/19 13:21	11/23/19 14:49	91-20-3	
Phenanthrene	**3530**	ug/kg	116	12.8	10	11/22/19 13:21	11/23/19 14:49	85-01-8	
Pyrene	**4720**	ug/kg	116	11.9	10	11/22/19 13:21	11/23/19 14:49	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/22/19 13:21	11/23/19 14:49	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/22/19 13:21	11/23/19 14:49	321-60-8	S4
Terphenyl-d14 (S)	0	%	39-119		10	11/22/19 13:21	11/23/19 14:49	1718-51-0	S4
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	3730	1010	10	11/22/19 15:19	11/24/19 13:32	62-53-3	
Benzoic Acid	ND	ug/kg	18600	678	10	11/22/19 15:19	11/24/19 13:32	65-85-0	
Benzyl alcohol	ND	ug/kg	7460	746	10	11/22/19 15:19	11/24/19 13:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3730	678	10	11/22/19 15:19	11/24/19 13:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3730	791	10	11/22/19 15:19	11/24/19 13:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7460	768	10	11/22/19 15:19	11/24/19 13:32	59-50-7	
4-Chloroaniline	ND	ug/kg	18600	1040	10	11/22/19 15:19	11/24/19 13:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3730	870	10	11/22/19 15:19	11/24/19 13:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3730	949	10	11/22/19 15:19	11/24/19 13:32	111-44-4	
2-Chloronaphthalene	ND	ug/kg	3730	734	10	11/22/19 15:19	11/24/19 13:32	91-58-7	
2-Chlorophenol	ND	ug/kg	3730	1020	10	11/22/19 15:19	11/24/19 13:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3730	768	10	11/22/19 15:19	11/24/19 13:32	7005-72-3	
Dibenzofuran	ND	ug/kg	3730	610	10	11/22/19 15:19	11/24/19 13:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3730	994	10	11/22/19 15:19	11/24/19 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3730	847	10	11/22/19 15:19	11/24/19 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3730	1050	10	11/22/19 15:19	11/24/19 13:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	18600	813	10	11/22/19 15:19	11/24/19 13:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3730	813	10	11/22/19 15:19	11/24/19 13:32	120-83-2	
Diethylphthalate	ND	ug/kg	3730	576	10	11/22/19 15:19	11/24/19 13:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3730	1470	10	11/22/19 15:19	11/24/19 13:32	105-67-9	
Dimethylphthalate	ND	ug/kg	3730	757	10	11/22/19 15:19	11/24/19 13:32	131-11-3	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-5 **Lab ID: 92454032038** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	3730	610	10	11/22/19 15:19	11/24/19 13:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7460	746	10	11/22/19 15:19	11/24/19 13:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18600	610	10	11/22/19 15:19	11/24/19 13:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3730	700	10	11/22/19 15:19	11/24/19 13:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3730	779	10	11/22/19 15:19	11/24/19 13:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3730	779	10	11/22/19 15:19	11/24/19 13:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3730	1020	10	11/22/19 15:19	11/24/19 13:32	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3730	644	10	11/22/19 15:19	11/24/19 13:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	3730	474	10	11/22/19 15:19	11/24/19 13:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3730	689	10	11/22/19 15:19	11/24/19 13:32	77-47-4	v3
Hexachloroethane	ND	ug/kg	3730	983	10	11/22/19 15:19	11/24/19 13:32	67-72-1	
Isophorone	ND	ug/kg	3730	836	10	11/22/19 15:19	11/24/19 13:32	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	3730	1130	10	11/22/19 15:19	11/24/19 13:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3730	1470	10	11/22/19 15:19	11/24/19 13:32	15831-10-4	
2-Nitroaniline	ND	ug/kg	18600	1150	10	11/22/19 15:19	11/24/19 13:32	88-74-4	v1
3-Nitroaniline	ND	ug/kg	18600	1020	10	11/22/19 15:19	11/24/19 13:32	99-09-2	
4-Nitroaniline	ND	ug/kg	7460	1050	10	11/22/19 15:19	11/24/19 13:32	100-01-6	
Nitrobenzene	ND	ug/kg	3730	1020	10	11/22/19 15:19	11/24/19 13:32	98-95-3	
2-Nitrophenol	ND	ug/kg	3730	904	10	11/22/19 15:19	11/24/19 13:32	88-75-5	
4-Nitrophenol	ND	ug/kg	18600	666	10	11/22/19 15:19	11/24/19 13:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3730	1210	10	11/22/19 15:19	11/24/19 13:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3730	712	10	11/22/19 15:19	11/24/19 13:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3730	1110	10	11/22/19 15:19	11/24/19 13:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	3730	994	10	11/22/19 15:19	11/24/19 13:32	108-60-1	
Pentachlorophenol	ND	ug/kg	18600	678	10	11/22/19 15:19	11/24/19 13:32	87-86-5	
Phenol	ND	ug/kg	3730	1120	10	11/22/19 15:19	11/24/19 13:32	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	3730	723	10	11/22/19 15:19	11/24/19 13:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3730	1150	10	11/22/19 15:19	11/24/19 13:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3730	825	10	11/22/19 15:19	11/24/19 13:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	11/22/19 15:19	11/24/19 13:32	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	11/22/19 15:19	11/24/19 13:32	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	11/22/19 15:19	11/24/19 13:32	1718-51-0	S4
Phenol-d6 (S)	0	%	22-110		10	11/22/19 15:19	11/24/19 13:32	13127-88-3	S4
2-Fluorophenol (S)	0	%	13-110		10	11/22/19 15:19	11/24/19 13:32	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/22/19 15:19	11/24/19 13:32	118-79-6	S4
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	**116J**	ug/kg	123	12.3	1	11/23/19 09:52	11/23/19 12:30	67-64-1	
Benzene	ND	ug/kg	6.2	2.0	1	11/23/19 09:52	11/23/19 12:30	71-43-2	
Bromobenzene	ND	ug/kg	6.2	2.5	1	11/23/19 09:52	11/23/19 12:30	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	75-27-4	
Bromoform	ND	ug/kg	6.2	2.8	1	11/23/19 09:52	11/23/19 12:30	75-25-2	
Bromomethane	ND	ug/kg	12.3	3.1	1	11/23/19 09:52	11/23/19 12:30	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-5 **Lab ID: 92454032038** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	123	3.6	1	11/23/19 09:52	11/23/19 12:30	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	2.0	1	11/23/19 09:52	11/23/19 12:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	2.5	1	11/23/19 09:52	11/23/19 12:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	3.2	1	11/23/19 09:52	11/23/19 12:30	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	108-90-7	
Chloroethane	ND	ug/kg	12.3	3.0	1	11/23/19 09:52	11/23/19 12:30	75-00-3	
Chloroform	ND	ug/kg	6.2	2.0	1	11/23/19 09:52	11/23/19 12:30	67-66-3	
Chloromethane	ND	ug/kg	12.3	3.0	1	11/23/19 09:52	11/23/19 12:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	4.4	1	11/23/19 09:52	11/23/19 12:30	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	106-93-4	
Dibromomethane	ND	ug/kg	6.2	3.1	1	11/23/19 09:52	11/23/19 12:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	2.5	1	11/23/19 09:52	11/23/19 12:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.3	4.4	1	11/23/19 09:52	11/23/19 12:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.2	1.8	1	11/23/19 09:52	11/23/19 12:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	2.7	1	11/23/19 09:52	11/23/19 12:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.7	1	11/23/19 09:52	11/23/19 12:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.2	1.8	1	11/23/19 09:52	11/23/19 12:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.8	1	11/23/19 09:52	11/23/19 12:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	2.5	1	11/23/19 09:52	11/23/19 12:30	87-68-3	
2-Hexanone	ND	ug/kg	61.6	4.8	1	11/23/19 09:52	11/23/19 12:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	99-87-6	
Methylene Chloride	ND	ug/kg	24.6	3.7	1	11/23/19 09:52	11/23/19 12:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.6	4.6	1	11/23/19 09:52	11/23/19 12:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.8	1	11/23/19 09:52	11/23/19 12:30	1634-04-4	
Naphthalene	**20.2**	ug/kg	6.2	1.5	1	11/23/19 09:52	11/23/19 12:30	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	103-65-1	
Styrene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	2.6	1	11/23/19 09:52	11/23/19 12:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	2.1	1	11/23/19 09:52	11/23/19 12:30	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-5 **Lab ID: 92454032038** Collected: 11/14/19 10:55 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	2.7	1	11/23/19 09:52	11/23/19 12:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	2.0	1	11/23/19 09:52	11/23/19 12:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	2.6	1	11/23/19 09:52	11/23/19 12:30	79-00-5	
Trichloroethene	ND	ug/kg	6.2	2.6	1	11/23/19 09:52	11/23/19 12:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	2.7	1	11/23/19 09:52	11/23/19 12:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	2.0	1	11/23/19 09:52	11/23/19 12:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	2.5	1	11/23/19 09:52	11/23/19 12:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	2.2	1	11/23/19 09:52	11/23/19 12:30	108-67-8	
Vinyl acetate	ND	ug/kg	61.6	10.8	1	11/23/19 09:52	11/23/19 12:30	108-05-4	
Vinyl chloride	ND	ug/kg	12.3	2.2	1	11/23/19 09:52	11/23/19 12:30	75-01-4	
Xylene (Total)	ND	ug/kg	12.3	4.4	1	11/23/19 09:52	11/23/19 12:30	1330-20-7	
m&p-Xylene	ND	ug/kg	12.3	4.4	1	11/23/19 09:52	11/23/19 12:30	179601-23-1	
o-Xylene	ND	ug/kg	6.2	2.3	1	11/23/19 09:52	11/23/19 12:30	95-47-6	
Surrogates									
Toluene-d8 (S)	118	%	70-130		1	11/23/19 09:52	11/23/19 12:30	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	11/23/19 09:52	11/23/19 12:30	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1	11/23/19 09:52	11/23/19 12:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.9**	%	0.10	0.10	1		11/19/19 12:42		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-3 **Lab ID: 92454032039** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.0J**	ug/kg	12.1	0.60	1	11/22/19 13:21	11/23/19 14:07	83-32-9	
Acenaphthylene	**25.3**	ug/kg	12.1	0.54	1	11/22/19 13:21	11/23/19 14:07	208-96-8	
Anthracene	**30.2**	ug/kg	12.1	0.49	1	11/22/19 13:21	11/23/19 14:07	120-12-7	
Benzo(a)anthracene	**54.5**	ug/kg	12.1	0.88	1	11/22/19 13:21	11/23/19 14:07	56-55-3	
Benzo(a)pyrene	**52.0**	ug/kg	12.1	0.60	1	11/22/19 13:21	11/23/19 14:07	50-32-8	
Benzo(b)fluoranthene	**72.7**	ug/kg	12.1	0.86	1	11/22/19 13:21	11/23/19 14:07	205-99-2	
Benzo(g,h,i)perylene	**45.5**	ug/kg	12.1	1.3	1	11/22/19 13:21	11/23/19 14:07	191-24-2	
Benzo(k)fluoranthene	**31.0**	ug/kg	12.1	0.48	1	11/22/19 13:21	11/23/19 14:07	207-08-9	
Chrysene	**59.3**	ug/kg	12.1	0.58	1	11/22/19 13:21	11/23/19 14:07	218-01-9	
Dibenz(a,h)anthracene	**10.7J**	ug/kg	12.1	1.4	1	11/22/19 13:21	11/23/19 14:07	53-70-3	
Fluoranthene	**113**	ug/kg	12.1	1.5	1	11/22/19 13:21	11/23/19 14:07	206-44-0	
Fluorene	**8.5J**	ug/kg	12.1	0.51	1	11/22/19 13:21	11/23/19 14:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**35.7**	ug/kg	12.1	1.1	1	11/22/19 13:21	11/23/19 14:07	193-39-5	
1-Methylnaphthalene	**11.8J**	ug/kg	12.1	0.73	1	11/22/19 13:21	11/23/19 14:07	90-12-0	
2-Methylnaphthalene	**17.6**	ug/kg	12.1	0.73	1	11/22/19 13:21	11/23/19 14:07	91-57-6	
Naphthalene	**33.4**	ug/kg	12.1	0.76	1	11/22/19 13:21	11/23/19 14:07	91-20-3	
Phenanthrene	**113**	ug/kg	12.1	1.3	1	11/22/19 13:21	11/23/19 14:07	85-01-8	
Pyrene	**93.6**	ug/kg	12.1	1.2	1	11/22/19 13:21	11/23/19 14:07	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	10-128		1	11/22/19 13:21	11/23/19 14:07	4165-60-0	
2-Fluorobiphenyl (S)	69	%	10-110		1	11/22/19 13:21	11/23/19 14:07	321-60-8	
Terphenyl-d14 (S)	62	%	39-119		1	11/22/19 13:21	11/23/19 14:07	1718-51-0	
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Aniline	ND	ug/kg	388	105	1	11/22/19 15:19	11/24/19 00:04	62-53-3	
Benzoic Acid	ND	ug/kg	1940	70.5	1	11/22/19 15:19	11/24/19 00:04	65-85-0	
Benzyl alcohol	ND	ug/kg	776	77.6	1	11/22/19 15:19	11/24/19 00:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	388	70.5	1	11/22/19 15:19	11/24/19 00:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	388	82.3	1	11/22/19 15:19	11/24/19 00:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	776	79.9	1	11/22/19 15:19	11/24/19 00:04	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	108	1	11/22/19 15:19	11/24/19 00:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	388	90.5	1	11/22/19 15:19	11/24/19 00:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	388	98.7	1	11/22/19 15:19	11/24/19 00:04	111-44-4	
2-Chloronaphthalene	ND	ug/kg	388	76.4	1	11/22/19 15:19	11/24/19 00:04	91-58-7	
2-Chlorophenol	ND	ug/kg	388	106	1	11/22/19 15:19	11/24/19 00:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	388	79.9	1	11/22/19 15:19	11/24/19 00:04	7005-72-3	
Dibenzofuran	ND	ug/kg	388	63.5	1	11/22/19 15:19	11/24/19 00:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	388	103	1	11/22/19 15:19	11/24/19 00:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	388	88.1	1	11/22/19 15:19	11/24/19 00:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	388	109	1	11/22/19 15:19	11/24/19 00:04	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	84.6	1	11/22/19 15:19	11/24/19 00:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	388	84.6	1	11/22/19 15:19	11/24/19 00:04	120-83-2	
Diethylphthalate	ND	ug/kg	388	59.9	1	11/22/19 15:19	11/24/19 00:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	388	153	1	11/22/19 15:19	11/24/19 00:04	105-67-9	
Dimethylphthalate	ND	ug/kg	388	78.7	1	11/22/19 15:19	11/24/19 00:04	131-11-3	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-3 **Lab ID: 92454032039** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8270 MSSV Microwave SC	Analytical Method: EPA 8270D Preparation Method: EPA 3546								
Di-n-butylphthalate	ND	ug/kg	388	63.5	1	11/22/19 15:19	11/24/19 00:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	776	77.6	1	11/22/19 15:19	11/24/19 00:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	63.5	1	11/22/19 15:19	11/24/19 00:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	388	72.9	1	11/22/19 15:19	11/24/19 00:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	388	81.1	1	11/22/19 15:19	11/24/19 00:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	388	81.1	1	11/22/19 15:19	11/24/19 00:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	388	106	1	11/22/19 15:19	11/24/19 00:04	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	388	67.0	1	11/22/19 15:19	11/24/19 00:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	388	49.4	1	11/22/19 15:19	11/24/19 00:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	388	71.7	1	11/22/19 15:19	11/24/19 00:04	77-47-4	v3
Hexachloroethane	ND	ug/kg	388	102	1	11/22/19 15:19	11/24/19 00:04	67-72-1	
Isophorone	ND	ug/kg	388	87.0	1	11/22/19 15:19	11/24/19 00:04	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	388	118	1	11/22/19 15:19	11/24/19 00:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	388	153	1	11/22/19 15:19	11/24/19 00:04	15831-10-4	
2-Nitroaniline	ND	ug/kg	1940	120	1	11/22/19 15:19	11/24/19 00:04	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	106	1	11/22/19 15:19	11/24/19 00:04	99-09-2	
4-Nitroaniline	ND	ug/kg	776	109	1	11/22/19 15:19	11/24/19 00:04	100-01-6	
Nitrobenzene	ND	ug/kg	388	106	1	11/22/19 15:19	11/24/19 00:04	98-95-3	
2-Nitrophenol	ND	ug/kg	388	94.0	1	11/22/19 15:19	11/24/19 00:04	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	69.3	1	11/22/19 15:19	11/24/19 00:04	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	388	126	1	11/22/19 15:19	11/24/19 00:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	388	74.0	1	11/22/19 15:19	11/24/19 00:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	388	115	1	11/22/19 15:19	11/24/19 00:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	388	103	1	11/22/19 15:19	11/24/19 00:04	108-60-1	
Pentachlorophenol	ND	ug/kg	1940	70.5	1	11/22/19 15:19	11/24/19 00:04	87-86-5	
Phenol	ND	ug/kg	388	116	1	11/22/19 15:19	11/24/19 00:04	108-95-2	
1,2,4-Trichlorobenzene	ND	ug/kg	388	75.2	1	11/22/19 15:19	11/24/19 00:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	388	120	1	11/22/19 15:19	11/24/19 00:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	388	85.8	1	11/22/19 15:19	11/24/19 00:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	79	%	23-110		1	11/22/19 15:19	11/24/19 00:04	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-110		1	11/22/19 15:19	11/24/19 00:04	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/22/19 15:19	11/24/19 00:04	1718-51-0	
Phenol-d6 (S)	68	%	22-110		1	11/22/19 15:19	11/24/19 00:04	13127-88-3	
2-Fluorophenol (S)	66	%	13-110		1	11/22/19 15:19	11/24/19 00:04	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110		1	11/22/19 15:19	11/24/19 00:04	118-79-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Acetone	ND	ug/kg	84.3	8.4	1	11/23/19 09:52	11/23/19 12:55	67-64-1	
Benzene	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1.7	1	11/23/19 09:52	11/23/19 12:55	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	75-27-4	
Bromoform	ND	ug/kg	4.2	1.9	1	11/23/19 09:52	11/23/19 12:55	75-25-2	
Bromomethane	ND	ug/kg	8.4	2.1	1	11/23/19 09:52	11/23/19 12:55	74-83-9	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-3 **Lab ID: 92454032039** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
2-Butanone (MEK)	ND	ug/kg	84.3	2.4	1	11/23/19 09:52	11/23/19 12:55	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1.7	1	11/23/19 09:52	11/23/19 12:55	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	2.2	1	11/23/19 09:52	11/23/19 12:55	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	108-90-7	
Chloroethane	ND	ug/kg	8.4	2.0	1	11/23/19 09:52	11/23/19 12:55	75-00-3	
Chloroform	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	67-66-3	
Chloromethane	ND	ug/kg	8.4	2.0	1	11/23/19 09:52	11/23/19 12:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	3.0	1	11/23/19 09:52	11/23/19 12:55	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	106-93-4	
Dibromomethane	ND	ug/kg	4.2	2.1	1	11/23/19 09:52	11/23/19 12:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1.7	1	11/23/19 09:52	11/23/19 12:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.4	3.0	1	11/23/19 09:52	11/23/19 12:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1.9	1	11/23/19 09:52	11/23/19 12:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1.2	1	11/23/19 09:52	11/23/19 12:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1.7	1	11/23/19 09:52	11/23/19 12:55	87-68-3	
2-Hexanone	ND	ug/kg	42.1	3.3	1	11/23/19 09:52	11/23/19 12:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	99-87-6	
Methylene Chloride	ND	ug/kg	16.9	2.5	1	11/23/19 09:52	11/23/19 12:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.1	3.1	1	11/23/19 09:52	11/23/19 12:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1.0	1	11/23/19 09:52	11/23/19 12:55	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	103-65-1	
Styrene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1.8	1	11/23/19 09:52	11/23/19 12:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1.4	1	11/23/19 09:52	11/23/19 12:55	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Blind DUP-3 **Lab ID: 92454032039** Collected: 11/14/19 08:05 Received: 11/16/19 08:00 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
8260/5035A SC Volatile Org	Analytical Method: EPA 8260B Preparation Method: EPA 5035A								
Toluene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1.9	1	11/23/19 09:52	11/23/19 12:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1.8	1	11/23/19 09:52	11/23/19 12:55	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1.8	1	11/23/19 09:52	11/23/19 12:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1.9	1	11/23/19 09:52	11/23/19 12:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1.3	1	11/23/19 09:52	11/23/19 12:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1.7	1	11/23/19 09:52	11/23/19 12:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1.5	1	11/23/19 09:52	11/23/19 12:55	108-67-8	
Vinyl acetate	ND	ug/kg	42.1	7.4	1	11/23/19 09:52	11/23/19 12:55	108-05-4	
Vinyl chloride	ND	ug/kg	8.4	1.5	1	11/23/19 09:52	11/23/19 12:55	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	3.0	1	11/23/19 09:52	11/23/19 12:55	1330-20-7	
m&p-Xylene	ND	ug/kg	8.4	3.0	1	11/23/19 09:52	11/23/19 12:55	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1.6	1	11/23/19 09:52	11/23/19 12:55	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	70-130		1	11/23/19 09:52	11/23/19 12:55	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1	11/23/19 09:52	11/23/19 12:55	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1	11/23/19 09:52	11/23/19 12:55	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.3**	%	0.10	0.10	1		11/19/19 12:42		

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: EQB-3 **Lab ID: 92454032040** Collected: 11/14/19 16:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	83-32-9	
Acenaphthylene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	208-96-8	
Aniline	ND	ug/L	9.6	1.2	1	11/19/19 11:27	11/24/19 11:26	62-53-3	
Anthracene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	120-12-7	
Benzo(a)anthracene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 11:26	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 11:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 11:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 11:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.6	1.9	1	11/19/19 11:27	11/24/19 11:26	207-08-9	
Benzoic Acid	ND	ug/L	48.1	4.8	1	11/19/19 11:27	11/24/19 11:26	65-85-0	
Benzyl alcohol	ND	ug/L	19.2	3.0	1	11/19/19 11:27	11/24/19 11:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	101-55-3	
Butylbenzylphthalate	ND	ug/L	9.6	2.4	1	11/19/19 11:27	11/24/19 11:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	19.2	2.7	1	11/19/19 11:27	11/24/19 11:26	59-50-7	
4-Chloroaniline	ND	ug/L	48.1	2.7	1	11/19/19 11:27	11/24/19 11:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	111-44-4	
2-Chloronaphthalene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	91-58-7	
2-Chlorophenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	7005-72-3	
Chrysene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 11:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 11:26	53-70-3	
Dibenzofuran	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 11:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 11:26	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	48.1	3.7	1	11/19/19 11:27	11/24/19 11:26	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	120-83-2	
Diethylphthalate	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	84-66-2	
2,4-Dimethylphenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	105-67-9	
Dimethylphthalate	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.6	1.9	1	11/19/19 11:27	11/24/19 11:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	19.2	2.2	1	11/19/19 11:27	11/24/19 11:26	534-52-1	
2,4-Dinitrophenol	ND	ug/L	48.1	4.9	1	11/19/19 11:27	11/24/19 11:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 11:26	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.8	2.2	1	11/19/19 11:27	11/24/19 11:26	117-81-7	
Fluoranthene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 11:26	206-44-0	
Fluorene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	87-68-3	
Hexachlorobenzene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 11:26	77-47-4	
Hexachloroethane	ND	ug/L	9.6	1.8	1	11/19/19 11:27	11/24/19 11:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 11:26	193-39-5	
Isophorone	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	78-59-1	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: EQB-3 **Lab ID: 92454032040** Collected: 11/14/19 16:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
1-Methylnaphthalene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	90-12-0	
2-Methylnaphthalene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	15831-10-4	
Naphthalene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 11:26	91-20-3	
2-Nitroaniline	ND	ug/L	48.1	2.2	1	11/19/19 11:27	11/24/19 11:26	88-74-4	
3-Nitroaniline	ND	ug/L	48.1	2.6	1	11/19/19 11:27	11/24/19 11:26	99-09-2	
4-Nitroaniline	ND	ug/L	48.1	3.2	1	11/19/19 11:27	11/24/19 11:26	100-01-6	
Nitrobenzene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	98-95-3	
2-Nitrophenol	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	88-75-5	
4-Nitrophenol	ND	ug/L	48.1	4.1	1	11/19/19 11:27	11/24/19 11:26	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 11:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	9.6	1.8	1	11/19/19 11:27	11/24/19 11:26	108-60-1	
Pentachlorophenol	ND	ug/L	48.1	3.4	1	11/19/19 11:27	11/24/19 11:26	87-86-5	
Phenanthrene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 11:26	85-01-8	
Phenol	ND	ug/L	9.6	1.2	1	11/19/19 11:27	11/24/19 11:26	108-95-2	
Pyrene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 11:26	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 11:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	39	%	21-110		1	11/19/19 11:27	11/24/19 11:26	4165-60-0	
2-Fluorobiphenyl (S)	40	%	27-110		1	11/19/19 11:27	11/24/19 11:26	321-60-8	
Terphenyl-d14 (S)	50	%	31-107		1	11/19/19 11:27	11/24/19 11:26	1718-51-0	
Phenol-d6 (S)	16	%	10-110		1	11/19/19 11:27	11/24/19 11:26	13127-88-3	
2-Fluorophenol (S)	22	%	12-110		1	11/19/19 11:27	11/24/19 11:26	367-12-4	
2,4,6-Tribromophenol (S)	46	%	27-110		1	11/19/19 11:27	11/24/19 11:26	118-79-6	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: EQB-4 **Lab ID: 92454032041** Collected: 11/15/19 11:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	83-32-9	
Acenaphthylene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	208-96-8	
Aniline	ND	ug/L	9.6	1.2	1	11/19/19 11:27	11/24/19 12:02	62-53-3	
Anthracene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 12:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 12:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 12:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 12:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.6	1.9	1	11/19/19 11:27	11/24/19 12:02	207-08-9	
Benzoic Acid	ND	ug/L	48.1	4.8	1	11/19/19 11:27	11/24/19 12:02	65-85-0	
Benzyl alcohol	ND	ug/L	19.2	3.0	1	11/19/19 11:27	11/24/19 12:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	9.6	2.4	1	11/19/19 11:27	11/24/19 12:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	19.2	2.7	1	11/19/19 11:27	11/24/19 12:02	59-50-7	
4-Chloroaniline	ND	ug/L	48.1	2.7	1	11/19/19 11:27	11/24/19 12:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	111-44-4	
2-Chloronaphthalene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	91-58-7	
2-Chlorophenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	7005-72-3	
Chrysene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 12:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 12:02	53-70-3	
Dibenzofuran	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 12:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 12:02	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	48.1	3.7	1	11/19/19 11:27	11/24/19 12:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	120-83-2	
Diethylphthalate	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	84-66-2	
2,4-Dimethylphenol	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	105-67-9	
Dimethylphthalate	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.6	1.9	1	11/19/19 11:27	11/24/19 12:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	19.2	2.2	1	11/19/19 11:27	11/24/19 12:02	534-52-1	
2,4-Dinitrophenol	ND	ug/L	48.1	4.9	1	11/19/19 11:27	11/24/19 12:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 12:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.8	2.2	1	11/19/19 11:27	11/24/19 12:02	117-81-7	
Fluoranthene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 12:02	206-44-0	
Fluorene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	87-68-3	
Hexachlorobenzene	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 12:02	77-47-4	
Hexachloroethane	ND	ug/L	9.6	1.8	1	11/19/19 11:27	11/24/19 12:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.6	2.0	1	11/19/19 11:27	11/24/19 12:02	193-39-5	
Isophorone	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	78-59-1	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: EQB-4 **Lab ID: 92454032041** Collected: 11/15/19 11:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
1-Methylnaphthalene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	90-12-0	
2-Methylnaphthalene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	15831-10-4	
Naphthalene	ND	ug/L	9.6	1.3	1	11/19/19 11:27	11/24/19 12:02	91-20-3	
2-Nitroaniline	ND	ug/L	48.1	2.2	1	11/19/19 11:27	11/24/19 12:02	88-74-4	
3-Nitroaniline	ND	ug/L	48.1	2.6	1	11/19/19 11:27	11/24/19 12:02	99-09-2	
4-Nitroaniline	ND	ug/L	48.1	3.2	1	11/19/19 11:27	11/24/19 12:02	100-01-6	
Nitrobenzene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	98-95-3	
2-Nitrophenol	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	88-75-5	
4-Nitrophenol	ND	ug/L	48.1	4.1	1	11/19/19 11:27	11/24/19 12:02	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	9.6	1.6	1	11/19/19 11:27	11/24/19 12:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	9.6	1.8	1	11/19/19 11:27	11/24/19 12:02	108-60-1	
Pentachlorophenol	ND	ug/L	48.1	3.4	1	11/19/19 11:27	11/24/19 12:02	87-86-5	
Phenanthrene	ND	ug/L	9.6	1.5	1	11/19/19 11:27	11/24/19 12:02	85-01-8	
Phenol	ND	ug/L	9.6	1.2	1	11/19/19 11:27	11/24/19 12:02	108-95-2	
Pyrene	ND	ug/L	9.6	2.1	1	11/19/19 11:27	11/24/19 12:02	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	9.6	1.4	1	11/19/19 11:27	11/24/19 12:02	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%	21-110		1	11/19/19 11:27	11/24/19 12:02	4165-60-0	
2-Fluorobiphenyl (S)	51	%	27-110		1	11/19/19 11:27	11/24/19 12:02	321-60-8	
Terphenyl-d14 (S)	58	%	31-107		1	11/19/19 11:27	11/24/19 12:02	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	11/19/19 11:27	11/24/19 12:02	13127-88-3	
2-Fluorophenol (S)	30	%	12-110		1	11/19/19 11:27	11/24/19 12:02	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110		1	11/19/19 11:27	11/24/19 12:02	118-79-6	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Trip Blank **Lab ID: 92454032042** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	25.0	6.2	1		11/22/19 16:21	67-64-1	
Benzene	ND	ug/L	1.0	0.15	1		11/22/19 16:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.22	1		11/22/19 16:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.34	1		11/22/19 16:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.26	1		11/22/19 16:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.62	1		11/22/19 16:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.62	1		11/22/19 16:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	3.3	1		11/22/19 16:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.22	1		11/22/19 16:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		11/22/19 16:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.49	1		11/22/19 16:21	75-00-3	
Chloroform	ND	ug/L	5.0	2.3	1		11/22/19 16:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.39	1		11/22/19 16:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.20	1		11/22/19 16:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.20	1		11/22/19 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.26	1		11/22/19 16:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.41	1		11/22/19 16:21	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.46	1		11/22/19 16:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.29	1		11/22/19 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.22	1		11/22/19 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.26	1		11/22/19 16:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/22/19 16:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.27	1		11/22/19 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		11/22/19 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.24	1		11/22/19 16:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.29	1		11/22/19 16:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.25	1		11/22/19 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.19	1		11/22/19 16:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.16	1		11/22/19 16:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.27	1		11/22/19 16:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.21	1		11/22/19 16:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.30	1		11/22/19 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.31	1		11/22/19 16:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		11/22/19 16:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.26	1		11/22/19 16:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.44	1		11/22/19 16:21	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.57	1		11/22/19 16:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.21	1		11/22/19 16:21	99-87-6	
Methylene Chloride	ND	ug/L	5.0	3.7	1		11/22/19 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	4.5	1		11/22/19 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		11/22/19 16:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		11/22/19 16:21	91-20-3	
Styrene	ND	ug/L	1.0	0.27	1		11/22/19 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		11/22/19 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		11/22/19 16:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.16	1		11/22/19 16:21	127-18-4	

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ANALYTICAL RESULTS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Sample: Trip Blank **Lab ID: 92454032042** Collected: 11/15/19 00:00 Received: 11/16/19 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Toluene	ND	ug/L	1.0	0.24	1		11/22/19 16:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.34	1		11/22/19 16:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.22	1		11/22/19 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		11/22/19 16:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.24	1		11/22/19 16:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.22	1		11/22/19 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.31	1		11/22/19 16:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.35	1		11/22/19 16:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.4	1		11/22/19 16:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		11/22/19 16:21	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.63	1		11/22/19 16:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		11/22/19 16:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		11/22/19 16:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/22/19 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		11/22/19 16:21	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		11/22/19 16:21	2037-26-5	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511258
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92454032042

METHOD BLANK: 2742637
Matrix: Water
Associated Lab Samples: 92454032042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.34	11/22/19 16:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	11/22/19 16:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	11/22/19 16:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.24	11/22/19 16:04	
1,1-Dichloroethane	ug/L	ND	1.0	0.27	11/22/19 16:04	
1,1-Dichloroethene	ug/L	ND	1.0	0.24	11/22/19 16:04	
1,1-Dichloropropene	ug/L	ND	1.0	0.21	11/22/19 16:04	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.34	11/22/19 16:04	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.35	11/22/19 16:04	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.22	11/22/19 16:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.26	11/22/19 16:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.29	11/22/19 16:04	
1,2-Dichloroethane	ug/L	ND	1.0	0.34	11/22/19 16:04	
1,2-Dichloropropane	ug/L	ND	1.0	0.19	11/22/19 16:04	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.22	11/22/19 16:04	
1,3-Dichloropropane	ug/L	ND	1.0	0.16	11/22/19 16:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.26	11/22/19 16:04	
2,2-Dichloropropane	ug/L	ND	1.0	0.27	11/22/19 16:04	
2-Butanone (MEK)	ug/L	ND	5.0	3.3	11/22/19 16:04	
2-Chlorotoluene	ug/L	ND	1.0	0.20	11/22/19 16:04	
2-Hexanone	ug/L	ND	5.0	0.57	11/22/19 16:04	
4-Chlorotoluene	ug/L	ND	1.0	0.20	11/22/19 16:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	4.5	11/22/19 16:04	
Acetone	ug/L	ND	25.0	6.2	11/22/19 16:04	
Benzene	ug/L	ND	1.0	0.15	11/22/19 16:04	
Bromobenzene	ug/L	ND	1.0	0.22	11/22/19 16:04	
Bromochloromethane	ug/L	ND	1.0	0.34	11/22/19 16:04	
Bromodichloromethane	ug/L	ND	1.0	0.26	11/22/19 16:04	
Bromoform	ug/L	ND	1.0	0.62	11/22/19 16:04	
Bromomethane	ug/L	ND	2.0	0.62	11/22/19 16:04	
Carbon tetrachloride	ug/L	ND	1.0	0.22	11/22/19 16:04	
Chlorobenzene	ug/L	ND	1.0	0.23	11/22/19 16:04	
Chloroethane	ug/L	ND	1.0	0.49	11/22/19 16:04	
Chloroform	ug/L	ND	5.0	2.3	11/22/19 16:04	
Chloromethane	ug/L	ND	1.0	0.39	11/22/19 16:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	11/22/19 16:04	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.30	11/22/19 16:04	
Dibromochloromethane	ug/L	ND	1.0	0.41	11/22/19 16:04	
Dibromomethane	ug/L	ND	1.0	0.46	11/22/19 16:04	
Dichlorodifluoromethane	ug/L	ND	1.0	0.23	11/22/19 16:04	
Diisopropyl ether	ug/L	ND	1.0	0.22	11/22/19 16:04	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2742637 Matrix: Water
Associated Lab Samples: 92454032042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	1.0	0.26	11/22/19 16:04	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.44	11/22/19 16:04	
m&p-Xylene	ug/L	ND	2.0	0.41	11/22/19 16:04	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	11/22/19 16:04	
Methylene Chloride	ug/L	ND	5.0	3.7	11/22/19 16:04	
Naphthalene	ug/L	ND	1.0	0.35	11/22/19 16:04	
o-Xylene	ug/L	ND	1.0	0.22	11/22/19 16:04	
p-Isopropyltoluene	ug/L	ND	1.0	0.21	11/22/19 16:04	
Styrene	ug/L	ND	1.0	0.27	11/22/19 16:04	
Tetrachloroethene	ug/L	ND	1.0	0.16	11/22/19 16:04	
Toluene	ug/L	ND	1.0	0.24	11/22/19 16:04	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.25	11/22/19 16:04	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.31	11/22/19 16:04	
Trichloroethene	ug/L	ND	1.0	0.22	11/22/19 16:04	
Trichlorofluoromethane	ug/L	ND	1.0	0.31	11/22/19 16:04	
Vinyl acetate	ug/L	ND	2.0	1.4	11/22/19 16:04	
Vinyl chloride	ug/L	ND	1.0	0.24	11/22/19 16:04	
Xylene (Total)	ug/L	ND	1.0	0.63	11/22/19 16:04	
1,2-Dichloroethane-d4 (S)	%	103	70-130		11/22/19 16:04	
4-Bromofluorobenzene (S)	%	97	70-130		11/22/19 16:04	
Toluene-d8 (S)	%	97	70-130		11/22/19 16:04	

LABORATORY CONTROL SAMPLE: 2742638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.7	105	70-130	
1,1,1-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	70-130	
1,1,2-Trichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethene	ug/L	50	48.0	96	70-130	
1,1-Dichloropropene	ug/L	50	51.8	104	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.4	95	70-130	
1,2,3-Trichloropropane	ug/L	50	50.1	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.5	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	70-130	
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	46.1	92	70-130	
1,2-Dichloropropane	ug/L	50	48.6	97	70-130	
1,3-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,3-Dichloropropane	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
2,2-Dichloropropane	ug/L	50	50.3	101	70-130	
2-Butanone (MEK)	ug/L	100	94.6	95	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2742638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.3	103	70-130	
2-Hexanone	ug/L	100	103	103	70-130	
4-Chlorotoluene	ug/L	50	52.0	104	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.6	99	70-130	
Acetone	ug/L	100	109	109	70-130	
Benzene	ug/L	50	48.3	97	70-130	
Bromobenzene	ug/L	50	52.4	105	70-130	
Bromochloromethane	ug/L	50	47.8	96	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	47.9	96	70-130	
Bromomethane	ug/L	50	51.9	104	70-130	3g
Carbon tetrachloride	ug/L	50	48.8	98	70-130	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	52.3	105	70-130	
Chloroform	ug/L	50	48.6	97	70-130	
Chloromethane	ug/L	50	44.5	89	70-130	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.9	104	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dibromomethane	ug/L	50	46.8	94	70-130	
Dichlorodifluoromethane	ug/L	50	49.8	100	70-130	
Diisopropyl ether	ug/L	50	48.3	97	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	46.1	92	70-130	
m&p-Xylene	ug/L	100	98.5	99	70-130	
Methyl-tert-butyl ether	ug/L	50	47.0	94	70-130	
Methylene Chloride	ug/L	50	47.0	94	70-130	
Naphthalene	ug/L	50	49.2	98	70-130	
o-Xylene	ug/L	50	50.6	101	70-130	
p-Isopropyltoluene	ug/L	50	50.7	101	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	50.0	100	70-130	
Toluene	ug/L	50	47.2	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	70-130	
Trichloroethene	ug/L	50	46.5	93	70-130	
Trichlorofluoromethane	ug/L	50	48.2	96	70-130	
Vinyl acetate	ug/L	100	93.0	93	70-130	
Vinyl chloride	ug/L	50	53.0	106	70-130	
Xylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE SAMPLE: 2742640

Parameter	Units	92454142002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.6	113	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	21.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.5	108	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	21.5	108	70-130	
1,1-Dichloroethane	ug/L	ND	20	20.7	104	70-130	
1,1-Dichloroethene	ug/L	ND	20	21.0	105	70-130	
1,1-Dichloropropene	ug/L	ND	20	22.8	114	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.9	105	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	21.9	110	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	22.0	110	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	ND	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	ND	20	21.3	106	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	21.2	106	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.7	114	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	21.2	106	70-130	
2,2-Dichloropropane	ug/L	ND	20	21.9	110	70-130	
2-Butanone (MEK)	ug/L	ND	40	40.1	100	70-130	
2-Chlorotoluene	ug/L	ND	20	21.6	108	70-130	
2-Hexanone	ug/L	ND	40	43.2	108	70-130	
4-Chlorotoluene	ug/L	ND	20	21.7	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	42.4	106	70-130	
Acetone	ug/L	ND	40	40.1	100	70-130	
Benzene	ug/L	ND	20	21.6	108	70-130	
Bromobenzene	ug/L	ND	20	22.4	112	70-130	
Bromochloromethane	ug/L	ND	20	22.3	112	70-130	
Bromodichloromethane	ug/L	ND	20	21.3	107	70-130	
Bromoform	ug/L	ND	20	21.1	105	70-130	
Bromomethane	ug/L	ND	20	23.0	115	70-130	
Carbon tetrachloride	ug/L	ND	20	22.6	113	70-130	
Chlorobenzene	ug/L	ND	20	21.3	106	70-130	
Chloroethane	ug/L	ND	20	20.4	102	70-130	
Chloroform	ug/L	ND	20	21.2	106	70-130	
Chloromethane	ug/L	ND	20	17.6	88	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	20.5	103	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	22.1	110	70-130	
Dibromochloromethane	ug/L	ND	20	22.5	113	70-130	
Dibromomethane	ug/L	ND	20	21.7	108	70-130	
Dichlorodifluoromethane	ug/L	ND	20	18.2	91	70-130	
Diisopropyl ether	ug/L	ND	20	21.1	105	70-130	
Ethylbenzene	ug/L	ND	20	21.6	108	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.3	111	70-130	
m&p-Xylene	ug/L	ND	40	42.5	106	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	21.8	109	70-130	
Methylene Chloride	ug/L	ND	20	21.1	100	70-130	
Naphthalene	ug/L	ND	20	21.2	106	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE SAMPLE: 2742640

Parameter	Units	92454142002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	21.5	108	70-130	
p-Isopropyltoluene	ug/L	ND	20	21.2	106	70-130	
Styrene	ug/L	ND	20	21.5	108	70-130	
Tetrachloroethene	ug/L	ND	20	22.3	111	70-130	
Toluene	ug/L	ND	20	20.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	ND	20	21.0	105	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	22.0	110	70-130	
Trichloroethene	ug/L	ND	20	21.5	107	70-130	
Trichlorofluoromethane	ug/L	ND	20	20.6	103	70-130	
Vinyl acetate	ug/L	ND	40	42.1	105	70-130	
Vinyl chloride	ug/L	ND	20	21.5	108	70-130	
Xylene (Total)	ug/L	ND	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 2742639

Parameter	Units	92453847002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	9.4		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	0.76J		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	44.8		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

SAMPLE DUPLICATE: 2742639

Parameter	Units	92453847002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	0.89J		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	2.9J		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	0.45J		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	105			
4-Bromofluorobenzene (S)	%	102	103			
Toluene-d8 (S)	%	97	100			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 510979 | Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032009, 92454032018, 92454032033, 92454032034

METHOD BLANK: 2741202 | Matrix: Solid
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032009, 92454032018, 92454032033, 92454032034

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	2.1	11/21/19 12:02	
1,1,1-Trichloroethane	ug/kg	ND	5.0	1.8	11/21/19 12:02	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	11/21/19 12:02	
1,1,2-Trichloroethane	ug/kg	ND	5.0	2.1	11/21/19 12:02	
1,1-Dichloroethane	ug/kg	ND	5.0	1.5	11/21/19 12:02	
1,1-Dichloroethene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
1,1-Dichloropropene	ug/kg	ND	5.0	1.5	11/21/19 12:02	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	2.2	11/21/19 12:02	
1,2,3-Trichloropropane	ug/kg	ND	5.0	1.6	11/21/19 12:02	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	1.6	11/21/19 12:02	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	2.0	11/21/19 12:02	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	3.6	11/21/19 12:02	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	1.8	11/21/19 12:02	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.9	11/21/19 12:02	
1,2-Dichloroethane	ug/kg	ND	5.0	2.2	11/21/19 12:02	
1,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/21/19 12:02	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
1,3-Dichlorobenzene	ug/kg	ND	5.0	2.0	11/21/19 12:02	
1,3-Dichloropropane	ug/kg	ND	5.0	1.9	11/21/19 12:02	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.7	11/21/19 12:02	
2,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/21/19 12:02	
2-Butanone (MEK)	ug/kg	ND	100	2.9	11/21/19 12:02	
2-Chlorotoluene	ug/kg	ND	5.0	1.7	11/21/19 12:02	
2-Hexanone	ug/kg	ND	50.0	3.9	11/21/19 12:02	
4-Chlorotoluene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	3.7	11/21/19 12:02	
Acetone	ug/kg	ND	100	10.0	11/21/19 12:02	
Benzene	ug/kg	ND	5.0	1.6	11/21/19 12:02	
Bromobenzene	ug/kg	ND	5.0	2.0	11/21/19 12:02	
Bromochloromethane	ug/kg	ND	5.0	1.7	11/21/19 12:02	
Bromodichloromethane	ug/kg	ND	5.0	1.9	11/21/19 12:02	
Bromoform	ug/kg	ND	5.0	2.3	11/21/19 12:02	
Bromomethane	ug/kg	ND	10.0	2.5	11/21/19 12:02	
Carbon tetrachloride	ug/kg	ND	5.0	2.6	11/21/19 12:02	
Chlorobenzene	ug/kg	ND	5.0	1.9	11/21/19 12:02	
Chloroethane	ug/kg	ND	10.0	2.4	11/21/19 12:02	
Chloroform	ug/kg	ND	5.0	1.6	11/21/19 12:02	
Chloromethane	ug/kg	ND	10.0	2.4	11/21/19 12:02	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.4	11/21/19 12:02	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.8	11/21/19 12:02	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2741202 Matrix: Solid

Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032009, 92454032018, 92454032033, 92454032034

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	1.8	11/21/19 12:02	
Dibromomethane	ug/kg	ND	5.0	2.5	11/21/19 12:02	
Dichlorodifluoromethane	ug/kg	ND	10.0	3.6	11/21/19 12:02	
Diisopropyl ether	ug/kg	ND	5.0	1.7	11/21/19 12:02	
Ethylbenzene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	2.0	11/21/19 12:02	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.9	11/21/19 12:02	
m&p-Xylene	ug/kg	ND	10.0	3.6	11/21/19 12:02	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.5	11/21/19 12:02	
Methylene Chloride	ug/kg	ND	20.0	3.0	11/21/19 12:02	
n-Butylbenzene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
n-Propylbenzene	ug/kg	ND	5.0	1.7	11/21/19 12:02	
Naphthalene	ug/kg	ND	5.0	1.2	11/21/19 12:02	
o-Xylene	ug/kg	ND	5.0	1.9	11/21/19 12:02	
p-Isopropyltoluene	ug/kg	ND	5.0	1.7	11/21/19 12:02	
sec-Butylbenzene	ug/kg	ND	5.0	1.6	11/21/19 12:02	
Styrene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
tert-Butylbenzene	ug/kg	ND	5.0	2.0	11/21/19 12:02	
Tetrachloroethene	ug/kg	ND	5.0	1.7	11/21/19 12:02	
Toluene	ug/kg	ND	5.0	1.8	11/21/19 12:02	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.9	11/21/19 12:02	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.5	11/21/19 12:02	
Trichloroethene	ug/kg	ND	5.0	2.1	11/21/19 12:02	
Trichlorofluoromethane	ug/kg	ND	5.0	2.2	11/21/19 12:02	
Vinyl acetate	ug/kg	ND	50.0	8.8	11/21/19 12:02	
Vinyl chloride	ug/kg	ND	10.0	1.8	11/21/19 12:02	
Xylene (Total)	ug/kg	ND	10.0	3.6	11/21/19 12:02	
1,2-Dichloroethane-d4 (S)	%	97	70-130		11/21/19 12:02	
4-Bromofluorobenzene (S)	%	99	70-130		11/21/19 12:02	
Toluene-d8 (S)	%	95	70-130		11/21/19 12:02	

LABORATORY CONTROL SAMPLE: 2741203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	37.0	74	70-130	
1,1,1-Trichloroethane	ug/kg	50	51.8	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	50	44.2	88	70-130	
1,1,2-Trichloroethane	ug/kg	50	48.5	97	70-130	
1,1-Dichloroethane	ug/kg	50	49.1	98	70-130	
1,1-Dichloroethene	ug/kg	50	48.4	97	70-130	
1,1-Dichloropropene	ug/kg	50	36.1	72	70-130	
1,2,3-Trichlorobenzene	ug/kg	50	44.6	89	70-130	
1,2,3-Trichloropropane	ug/kg	50	44.3	89	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2741203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50	40.5	81	70-130	
1,2,4-Trimethylbenzene	ug/kg	50	44.9	90	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	47.2	94	70-130	
1,2-Dibromoethane (EDB)	ug/kg	50	40.5	81	70-130	
1,2-Dichlorobenzene	ug/kg	50	42.4	85	70-130	
1,2-Dichloroethane	ug/kg	50	45.1	90	70-130	
1,2-Dichloropropane	ug/kg	50	45.3	91	70-130	
1,3,5-Trimethylbenzene	ug/kg	50	46.4	93	70-130	
1,3-Dichlorobenzene	ug/kg	50	44.6	89	70-130	
1,3-Dichloropropane	ug/kg	50	39.6	79	70-130	
1,4-Dichlorobenzene	ug/kg	50	43.5	87	70-130	
2,2-Dichloropropane	ug/kg	50	54.6	109	70-130	
2-Butanone (MEK)	ug/kg	100	107	107	70-130	3g
2-Chlorotoluene	ug/kg	50	45.7	91	70-130	
2-Hexanone	ug/kg	100	99.5	99	70-130	
4-Chlorotoluene	ug/kg	50	45.4	91	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	86.9	87	70-130	
Acetone	ug/kg	100	81.1J	81	70-130	
Benzene	ug/kg	50	51.9	104	70-130	
Bromobenzene	ug/kg	50	47.7	95	70-130	
Bromochloromethane	ug/kg	50	43.0	86	70-130	
Bromodichloromethane	ug/kg	50	43.7	87	70-130	
Bromoform	ug/kg	50	41.7	83	70-130	
Bromomethane	ug/kg	50	78.0	156	70-130	L1
Carbon tetrachloride	ug/kg	50	51.7	103	70-130	
Chlorobenzene	ug/kg	50	45.7	91	70-130	
Chloroethane	ug/kg	50	52.9	106	70-130	
Chloroform	ug/kg	50	43.3	87	70-130	
Chloromethane	ug/kg	50	48.1	96	70-130	
cis-1,2-Dichloroethene	ug/kg	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/kg	50	44.1	88	70-130	3g
Dibromochloromethane	ug/kg	50	38.8	78	70-130	
Dibromomethane	ug/kg	50	49.6	99	70-130	
Dichlorodifluoromethane	ug/kg	50	58.8	118	70-130	3g
Diisopropyl ether	ug/kg	50	37.1	74	70-130	3g
Ethylbenzene	ug/kg	50	50.0	100	70-130	
Hexachloro-1,3-butadiene	ug/kg	50	50.9	102	70-130	
Isopropylbenzene (Cumene)	ug/kg	50	52.6	105	70-130	
m&p-Xylene	ug/kg	100	102	102	70-130	
Methyl-tert-butyl ether	ug/kg	50	48.3	97	70-130	
Methylene Chloride	ug/kg	50	44.1	88	70-130	
n-Butylbenzene	ug/kg	50	45.2	90	70-130	
n-Propylbenzene	ug/kg	50	47.7	95	70-130	
Naphthalene	ug/kg	50	41.2	82	70-130	
o-Xylene	ug/kg	50	48.9	98	70-130	
p-Isopropyltoluene	ug/kg	50	46.3	93	70-130	
sec-Butylbenzene	ug/kg	50	48.4	97	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2741203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50	47.7	95	70-130	
tert-Butylbenzene	ug/kg	50	41.4	83	70-130	
Tetrachloroethene	ug/kg	50	47.6	95	70-130	
Toluene	ug/kg	50	47.0	94	70-130	
trans-1,2-Dichloroethene	ug/kg	50	52.1	104	70-130	
trans-1,3-Dichloropropene	ug/kg	50	40.2	80	70-130	
Trichloroethene	ug/kg	50	48.9	98	70-130	3g
Trichlorofluoromethane	ug/kg	50	55.6	111	70-130	
Vinyl acetate	ug/kg	100	126	126	70-130	3g
Vinyl chloride	ug/kg	50	55.1	110	70-130	
Xylene (Total)	ug/kg	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741204 2741205

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	521	521	454	463	87	89	70-130	2	30	
1,1,1-Trichloroethane	ug/kg	ND	521	521	532	567	102	109	70-130	6	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	521	521	439	485	84	93	70-130	10	30	
1,1,2-Trichloroethane	ug/kg	ND	521	521	478	484	92	93	70-130	1	30	
1,1-Dichloroethane	ug/kg	ND	521	521	524	524	100	100	70-130	0	30	
1,1-Dichloroethene	ug/kg	ND	521	521	517	520	99	100	70-130	0	30	
1,1-Dichloropropene	ug/kg	ND	521	521	529	572	102	110	70-130	8	30	
1,2,3-Trichlorobenzene	ug/kg	ND	521	521	452	501	87	96	70-130	10	30	
1,2,3-Trichloropropane	ug/kg	ND	521	521	444	487	85	93	70-130	9	30	
1,2,4-Trichlorobenzene	ug/kg	ND	521	521	461	509	88	98	70-130	10	30	
1,2,4-Trimethylbenzene	ug/kg	ND	521	521	505	520	91	94	70-130	3	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	521	521	388	438	74	84	70-130	12	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	521	521	411	474	79	91	70-130	14	30	
1,2-Dichlorobenzene	ug/kg	ND	521	521	467	506	90	97	70-130	8	30	
1,2-Dichloroethane	ug/kg	ND	521	521	517	535	99	103	70-130	3	30	
1,2-Dichloropropane	ug/kg	ND	521	521	491	532	94	102	70-130	8	30	
1,3,5-Trimethylbenzene	ug/kg	ND	521	521	491	512	94	98	70-130	4	30	
1,3-Dichlorobenzene	ug/kg	ND	521	521	480	504	92	97	70-130	5	30	
1,3-Dichloropropane	ug/kg	ND	521	521	447	489	86	94	70-130	9	30	
1,4-Dichlorobenzene	ug/kg	ND	521	521	488	501	94	96	70-130	3	30	
2,2-Dichloropropane	ug/kg	ND	521	521	576	569	111	109	70-130	1	30	
2-Butanone (MEK)	ug/kg	ND	1040	1040	743J	953J	71	91	70-130		30	
2-Chlorotoluene	ug/kg	ND	521	521	464	490	89	94	70-130	6	30	
2-Hexanone	ug/kg	ND	1040	1040	675J	875J	65	84	70-130		30	M1
4-Chlorotoluene	ug/kg	ND	521	521	475	495	91	95	70-130	4	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741204 2741205

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1040	1040	810J	939J	78	90	70-130		30	
Acetone	ug/kg	ND	1040	1040	835J	958J	80	92	70-130		30	
Benzene	ug/kg	ND	521	521	510	549	98	105	70-130	7	30	
Bromobenzene	ug/kg	ND	521	521	451	495	86	95	70-130	9	30	
Bromochloromethane	ug/kg	ND	521	521	506	509	97	98	70-130	1	30	
Bromodichloromethane	ug/kg	ND	521	521	486	511	93	98	70-130	5	30	
Bromoform	ug/kg	ND	521	521	374	431	72	83	70-130	14	30	
Bromomethane	ug/kg	ND	521	521	973	918	187	176	70-130	6	30	M0
Carbon tetrachloride	ug/kg	ND	521	521	534	512	102	98	70-130	4	30	
Chlorobenzene	ug/kg	ND	521	521	481	495	92	95	70-130	3	30	
Chloroethane	ug/kg	ND	521	521	365	392	70	75	70-130	7	30	
Chloroform	ug/kg	ND	521	521	502	539	96	103	70-130	7	30	
Chloromethane	ug/kg	ND	521	521	652	667	125	128	70-130	2	30	
cis-1,2-Dichloroethene	ug/kg	ND	521	521	522	545	100	105	70-130	4	30	
cis-1,3-Dichloropropene	ug/kg	ND	521	521	494	521	95	100	70-130	5	30	
Dibromochloromethane	ug/kg	ND	521	521	407	416	78	80	70-130	2	30	
Dibromomethane	ug/kg	ND	521	521	497	514	95	99	70-130	3	30	
Dichlorodifluoromethane	ug/kg	ND	521	521	668	641	128	123	70-130	4	30	
Diisopropyl ether	ug/kg	ND	521	521	402	446	77	86	70-130	10	30	
Ethylbenzene	ug/kg	ND	521	521	510	528	98	101	70-130	4	30	
Hexachloro-1,3-butadiene	ug/kg	ND	521	521	490	520	94	100	70-130	6	30	
Isopropylbenzene (Cumene)	ug/kg	ND	521	521	532	514	102	99	70-130	3	30	
m&p-Xylene	ug/kg	ND	1040	1040	1070	1050	97	96	70-130	2	30	
Methyl-tert-butyl ether	ug/kg	ND	521	521	465	488	89	94	70-130	5	30	
Methylene Chloride	ug/kg	ND	521	521	564	643	108	123	70-130	13	30	
n-Butylbenzene	ug/kg	ND	521	521	491	511	94	98	70-130	4	30	
n-Propylbenzene	ug/kg	ND	521	521	475	500	91	96	70-130	5	30	
Naphthalene	ug/kg	143	521	521	554	661	79	99	70-130	18	30	
o-Xylene	ug/kg	ND	521	521	522	512	94	92	70-130	2	30	
p-Isopropyltoluene	ug/kg	ND	521	521	488	512	94	98	70-130	5	30	
sec-Butylbenzene	ug/kg	ND	521	521	485	509	93	98	70-130	5	30	
Styrene	ug/kg	ND	521	521	512	496	98	95	70-130	3	30	
tert-Butylbenzene	ug/kg	ND	521	521	400	413	77	79	70-130	3	30	
Tetrachloroethene	ug/kg	ND	521	521	473	472	91	91	70-130	0	30	
Toluene	ug/kg	ND	521	521	540	574	103	110	70-130	6	30	
trans-1,2-Dichloroethene	ug/kg	ND	521	521	558	602	107	115	70-130	7	30	
trans-1,3-Dichloropropene	ug/kg	ND	521	521	470	497	90	95	70-130	6	30	
Trichloroethene	ug/kg	ND	521	521	492	522	94	100	70-130	6	30	
Trichlorofluoromethane	ug/kg	ND	521	521	315	283	60	54	70-130	11	30	M1
Vinyl acetate	ug/kg	ND	1040	1040	1050J	1100J	101	106	70-130		30	
Vinyl chloride	ug/kg	ND	521	521	721	726	138	139	70-130	1	30	M1
Xylene (Total)	ug/kg	ND	1560	1560	1600	1570	102	100	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%						113	108	70-130			
4-Bromofluorobenzene (S)	%						107	102	70-130			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741204 2741205

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						104	104	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741206 2741207

Parameter	Units	92454032034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	22.4	37.4	14.6	27.1	65	72	70-130	60	30	M1,R1
1,1,1-Trichloroethane	ug/kg	ND	22.4	37.4	19.5	35.7	87	95	70-130	59	30	R1
1,1,2,2-Tetrachloroethane	ug/kg	ND	22.4	37.4	5.6	26.1	25	70	70-130	129	30	M1,R1
1,1,2-Trichloroethane	ug/kg	ND	22.4	37.4	16.3	30.0	73	80	70-130	59	30	R1
1,1-Dichloroethane	ug/kg	ND	22.4	37.4	21.0	36.8	94	98	70-130	55	30	R1
1,1-Dichloroethene	ug/kg	ND	22.4	37.4	26.2	44.6	117	119	70-130	52	30	R1
1,1-Dichloropropene	ug/kg	ND	22.4	37.4	19.4	35.0	86	94	70-130	58	30	R1
1,2,3-Trichlorobenzene	ug/kg	ND	22.4	37.4	8.8	15.1	39	40	70-130	53	30	M1,R1
1,2,3-Trichloropropane	ug/kg	ND	22.4	37.4	16.4	28.3	73	76	70-130	53	30	R1
1,2,4-Trichlorobenzene	ug/kg	ND	22.4	37.4	9.7	17.3	43	46	70-130	56	30	M1,R1
1,2,4-Trimethylbenzene	ug/kg	ND	22.4	37.4	15.9	29.1	71	78	70-130	59	30	R1
1,2-Dibromo-3-chloropropane	ug/kg	ND	22.4	37.4	14.8	25.5	66	68	70-130	53	30	M1,R1
1,2-Dibromoethane (EDB)	ug/kg	ND	22.4	37.4	16.3	29.2	73	78	70-130	57	30	R1
1,2-Dichlorobenzene	ug/kg	ND	22.4	37.4	12.9	24.3	58	65	70-130	61	30	M1,R1
1,2-Dichloroethane	ug/kg	ND	22.4	37.4	18.8	32.4	84	87	70-130	53	30	R1
1,2-Dichloropropane	ug/kg	ND	22.4	37.4	18.3	33.4	82	89	70-130	59	30	R1
1,3,5-Trimethylbenzene	ug/kg	ND	22.4	37.4	15.8	30.4	71	81	70-130	63	30	R1
1,3-Dichlorobenzene	ug/kg	ND	22.4	37.4	13.7	26.0	61	69	70-130	62	30	M1,R1
1,3-Dichloropropane	ug/kg	ND	22.4	37.4	17.4	30.6	78	82	70-130	55	30	R1
1,4-Dichlorobenzene	ug/kg	ND	22.4	37.4	21.0	26.4	94	71	70-130	23	30	
2,2-Dichloropropane	ug/kg	ND	22.4	37.4	22.1	35.7	99	95	70-130	47	30	R1
2-Butanone (MEK)	ug/kg	ND	44.8	74.9	45.6J	71.1J	102	95	70-130		30	
2-Chlorotoluene	ug/kg	ND	22.4	37.4	15.2	26.0	68	70	70-130	52	30	M1,R1
2-Hexanone	ug/kg	ND	44.8	74.9	40.7J	70.6J	91	94	70-130		30	
4-Chlorotoluene	ug/kg	ND	22.4	37.4	15.6	29.5	70	79	70-130	62	30	R1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	44.8	74.9	40.8J	64.6J	91	86	70-130		30	
Acetone	ug/kg	76.8J	44.8	74.9	235	196	354	159	70-130	18	30	M1
Benzene	ug/kg	ND	22.4	37.4	20.9	37.1	94	99	70-130	56	30	R1
Bromobenzene	ug/kg	ND	22.4	37.4	16.3	29.7	73	79	70-130	58	30	R1
Bromochloromethane	ug/kg	ND	22.4	37.4	19.5	33.5	87	90	70-130	53	30	R1
Bromodichloromethane	ug/kg	ND	22.4	37.4	14.5	31.0	65	83	70-130	72	30	M1,R1
Bromoform	ug/kg	ND	22.4	37.4	11.9	22.9	53	61	70-130	63	30	M1,R1
Bromomethane	ug/kg	ND	22.4	37.4	19.3	35.4	86	95	70-130	59	30	R1
Carbon tetrachloride	ug/kg	ND	22.4	37.4	15.3	46.2	68	123	70-130	100	30	M1,R1
Chlorobenzene	ug/kg	ND	22.4	37.4	18.6	34.8	83	93	70-130	61	30	R1
Chloroethane	ug/kg	ND	22.4	37.4	31.0	46.4	139	124	70-130	40	30	M1,R1
Chloroform	ug/kg	ND	22.4	37.4	20.4	34.2	91	91	70-130	51	30	R1

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741206 2741207

Parameter	Units	92454032034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloromethane	ug/kg	ND	22.4	37.4	26.5	42.3	118	113	70-130	46	30	R1
cis-1,2-Dichloroethene	ug/kg	ND	22.4	37.4	20.0	34.0	89	91	70-130	52	30	R1
cis-1,3-Dichloropropene	ug/kg	ND	22.4	37.4	10.3	21.3	46	57	70-130	69	30	M1,R1
Dibromochloromethane	ug/kg	ND	22.4	37.4	12.6	27.7	56	74	70-130	75	30	M1,R1
Dibromomethane	ug/kg	ND	22.4	37.4	18.0	32.3	80	86	70-130	57	30	R1
Dichlorodifluoromethane	ug/kg	ND	22.4	37.4	27.9	46.8	125	125	70-130	51	30	R1
Diisopropyl ether	ug/kg	ND	22.4	37.4	19.2	33.3	86	89	70-130	54	30	R1
Ethylbenzene	ug/kg	ND	22.4	37.4	18.4	32.9	82	88	70-130	57	30	R1
Hexachloro-1,3-butadiene	ug/kg	ND	22.4	37.4	9.8	18.6	44	50	70-130	62	30	M1,R1
Isopropylbenzene (Cumene)	ug/kg	ND	22.4	37.4	16.3	30.6	73	82	70-130	61	30	R1
m&p-Xylene	ug/kg	ND	44.8	74.9	34.0	64.0	76	85	70-130	61	30	R1
Methyl-tert-butyl ether	ug/kg	ND	22.4	37.4	17.5	33.4	78	89	70-130	63	30	R1
Methylene Chloride	ug/kg	ND	22.4	37.4	19.0J	30.9J	85	82	70-130		30	
n-Butylbenzene	ug/kg	ND	22.4	37.4	12.7	23.8	57	64	70-130	61	30	M1,R1
n-Propylbenzene	ug/kg	ND	22.4	37.4	16.0	30.5	72	81	70-130	62	30	R1
Naphthalene	ug/kg	5.7J	22.4	37.4	14.0	26.6	37	56	70-130	62	30	M1,R1
o-Xylene	ug/kg	ND	22.4	37.4	16.6	30.8	74	82	70-130	60	30	R1
p-Isopropyltoluene	ug/kg	2.3J	22.4	37.4	15.3	87.0	58	226	70-130	140	30	M1,R1
sec-Butylbenzene	ug/kg	ND	22.4	37.4	14.5	26.9	65	72	70-130	60	30	M1,R1
Styrene	ug/kg	ND	22.4	37.4	14.8	27.0	66	72	70-130	58	30	M1,R1
tert-Butylbenzene	ug/kg	ND	22.4	37.4	13.0	25.1	58	67	70-130	64	30	M1,R1
Tetrachloroethene	ug/kg	ND	22.4	37.4	15.4	31.5	69	84	70-130	68	30	M1,R1
Toluene	ug/kg	ND	22.4	37.4	19.7	34.1	88	91	70-130	53	30	R1
trans-1,2-Dichloroethene	ug/kg	ND	22.4	37.4	23.6	38.5	106	103	70-130	48	30	R1
trans-1,3-Dichloropropene	ug/kg	ND	22.4	37.4	11.6	24.4	52	65	70-130	71	30	M1,R1
Trichloroethene	ug/kg	ND	22.4	37.4	27.5	32.6	123	87	70-130	17	30	
Trichlorofluoromethane	ug/kg	ND	22.4	37.4	27.2	50.0	121	133	70-130	59	30	M1,R1
Vinyl acetate	ug/kg	ND	44.8	74.9	17.2J	29.8J	38	40	70-130		30	M1
Vinyl chloride	ug/kg	ND	22.4	37.4	33.2	53.6	148	143	70-130	47	30	M1,R1
Xylene (Total)	ug/kg	ND	67.2	112	50.6	94.8	75	84	70-130	61	30	RS
1,2-Dichloroethane-d4 (S)	%						103	96	70-130			
4-Bromofluorobenzene (S)	%						96	94	70-130			
Toluene-d8 (S)	%						101	101	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741208 2741209

Parameter	Units	92453846040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	19.6	16.8	13.7	6.8	70	40	70-130	67	30	M1,R1
1,1,1-Trichloroethane	ug/kg	ND	19.6	16.8	14.0	5.1	71	30	70-130	93	30	M1,R1
1,1,2,2-Tetrachloroethane	ug/kg	ND	19.6	16.8	13.7	10.7	70	63	70-130	25	30	M1
1,1,2-Trichloroethane	ug/kg	ND	19.6	16.8	13.5	8.7	69	52	70-130	43	30	M1,R1
1,1-Dichloroethane	ug/kg	ND	19.6	16.8	14.6	7.6	75	45	70-130	63	30	M1,R1

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741208 2741209

Parameter	Units	92453846040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/kg	ND	19.6	16.8	13.9	5.7	71	34	70-130	84	30	M1,R1
1,1-Dichloropropene	ug/kg	ND	19.6	16.8	11.2	3.9J	57	23	70-130		30	M1
1,2,3-Trichlorobenzene	ug/kg	ND	19.6	16.8	6.8	4.8	35	29	70-130	34	30	M1,R1
1,2,3-Trichloropropane	ug/kg	ND	19.6	16.8	14.7	11.0	75	66	70-130	29	30	M1
1,2,4-Trichlorobenzene	ug/kg	ND	19.6	16.8	6.8	4.7	34	28	70-130	37	30	M1,R1
1,2,4-Trimethylbenzene	ug/kg	ND	19.6	16.8	12.9	5.8	66	34	70-130	76	30	M1,R1
1,2-Dibromo-3-chloropropane	ug/kg	ND	19.6	16.8	13.7	10.7	70	63	70-130	25	30	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	19.6	16.8	11.0	6.9	56	41	70-130	47	30	M1,R1
1,2-Dichlorobenzene	ug/kg	ND	19.6	16.8	10.9	6.1	56	36	70-130	56	30	M1,R1
1,2-Dichloroethane	ug/kg	ND	19.6	16.8	13.1	8.1	67	48	70-130	47	30	M1,R1
1,2-Dichloropropane	ug/kg	ND	19.6	16.8	14.2	7.1	72	42	70-130	67	30	M1,R1
1,3,5-Trimethylbenzene	ug/kg	ND	19.6	16.8	13.8	6.2	70	37	70-130	76	30	M1,R1
1,3-Dichlorobenzene	ug/kg	ND	19.6	16.8	9.9	5.5	51	33	70-130	58	30	M1,R1
1,3-Dichloropropane	ug/kg	ND	19.6	16.8	12.5	6.9	64	41	70-130	58	30	M1,R1
1,4-Dichlorobenzene	ug/kg	ND	19.6	16.8	9.2	5.6	47	33	70-130	49	30	M1,R1
2,2-Dichloropropane	ug/kg	ND	19.6	16.8	14.2	5.0	73	30	70-130	95	30	M1,R1
2-Butanone (MEK)	ug/kg	ND	39.1	33.7	25.9J	16.2J	66	48	70-130		30	M1
2-Chlorotoluene	ug/kg	ND	19.6	16.8	12.8	6.0	66	36	70-130	73	30	M1,R1
2-Hexanone	ug/kg	ND	39.1	33.7	30.8J	25.4J	79	76	70-130		30	
4-Chlorotoluene	ug/kg	ND	19.6	16.8	11.6	5.8	59	34	70-130	67	30	M1,R1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	39.1	33.7	31.1J	26.6J	79	79	70-130		30	
Acetone	ug/kg	ND	39.1	33.7	40.5J	28.0J	103	83	70-130		30	
Benzene	ug/kg	ND	19.6	16.8	13.3	6.6	68	39	70-130	67	30	M1,R1
Bromobenzene	ug/kg	ND	19.6	16.8	11.1	6.6	57	39	70-130	51	30	M1,R1
Bromochloromethane	ug/kg	ND	19.6	16.8	13.6	8.6	70	51	70-130	45	30	M1,R1
Bromodichloromethane	ug/kg	ND	19.6	16.8	12.4	7.7	63	46	70-130	47	30	M1,R1
Bromoform	ug/kg	ND	19.6	16.8	10.7	8.0	55	47	70-130	29	30	M1
Bromomethane	ug/kg	ND	19.6	16.8	23.1	14.8	118	88	70-130	43	30	R1
Carbon tetrachloride	ug/kg	ND	19.6	16.8	17.5	6.3	89	37	70-130	94	30	M1,R1
Chlorobenzene	ug/kg	ND	19.6	16.8	11.4	6.5	58	38	70-130	55	30	M1,R1
Chloroethane	ug/kg	ND	19.6	16.8	19.1	8.7	98	52	70-130	75	30	M1,R1
Chloroform	ug/kg	ND	19.6	16.8	14.5	7.4	74	44	70-130	65	30	M1,R1
Chloromethane	ug/kg	ND	19.6	16.8	18.0	8.5	92	51	70-130	71	30	M1,R1
cis-1,2-Dichloroethene	ug/kg	ND	19.6	16.8	12.1	7.1	62	42	70-130	52	30	M1,R1
cis-1,3-Dichloropropene	ug/kg	ND	19.6	16.8	10.7	6.4	54	38	70-130	51	30	M1,R1
Dibromochloromethane	ug/kg	ND	19.6	16.8	11.8	6.6	60	39	70-130	56	30	M1,R1
Dibromomethane	ug/kg	ND	19.6	16.8	12.9	10.3	66	61	70-130	23	30	M1
Dichlorodifluoromethane	ug/kg	ND	19.6	16.8	18.0	6.5J	92	39	70-130		30	M1
Diisopropyl ether	ug/kg	ND	19.6	16.8	14.1	7.4	72	44	70-130	63	30	M1,R1
Ethylbenzene	ug/kg	ND	19.6	16.8	12.2	6.3	62	37	70-130	64	30	M1,R1
Hexachloro-1,3-butadiene	ug/kg	ND	19.6	16.8	11.5	4.4	59	26	70-130	89	30	M1,R1
Isopropylbenzene (Cumene)	ug/kg	ND	19.6	16.8	12.3	6.2	63	37	70-130	66	30	M1,R1
m&p-Xylene	ug/kg	ND	39.1	33.7	24.0	12.6	61	37	70-130	63	30	M1,R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741208 2741209

Parameter	Units	92453846040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	ug/kg	ND	19.6	16.8	16.7	8.7	85	52	70-130	63	30	M1,R1
Methylene Chloride	ug/kg	ND	19.6	16.8	11.0J	7.5J	56	45	70-130		30	M1
n-Butylbenzene	ug/kg	ND	19.6	16.8	11.2	4.4	57	26	70-130	87	30	M1,R1
n-Propylbenzene	ug/kg	ND	19.6	16.8	13.0	5.4	66	32	70-130	83	30	M1,R1
Naphthalene	ug/kg	ND	19.6	16.8	7.5	6.4	38	38	70-130	16	30	M1
o-Xylene	ug/kg	ND	19.6	16.8	13.0	7.2	66	43	70-130	58	30	M1,R1
p-Isopropyltoluene	ug/kg	ND	19.6	16.8	13.3	5.4	68	32	70-130	85	30	M1,R1
sec-Butylbenzene	ug/kg	ND	19.6	16.8	13.0	5.1	66	30	70-130	87	30	M1,R1
Styrene	ug/kg	ND	19.6	16.8	10.2	6.2	52	37	70-130	49	30	M1,R1
tert-Butylbenzene	ug/kg	ND	19.6	16.8	12.4	5.0	63	30	70-130	85	30	M1,R1
Tetrachloroethene	ug/kg	ND	19.6	16.8	11.9	4.4	61	26	70-130	92	30	M1,R1
Toluene	ug/kg	ND	19.6	16.8	12.2	7.2	62	43	70-130	51	30	M1,R1
trans-1,2-Dichloroethene	ug/kg	ND	19.6	16.8	12.7	5.4	65	32	70-130	81	30	M1,R1
trans-1,3-Dichloropropene	ug/kg	ND	19.6	16.8	9.1	6.4	46	38	70-130	34	30	M1,R1
Trichloroethene	ug/kg	ND	19.6	16.8	10.5	4.8	54	28	70-130	75	30	M1,R1
Trichlorofluoromethane	ug/kg	ND	19.6	16.8	16.4	6.2	84	37	70-130	90	30	M1,R1
Vinyl acetate	ug/kg	ND	39.1	33.7	26.7J	17.0J	68	50	70-130		30	M1
Vinyl chloride	ug/kg	ND	19.6	16.8	18.0	7.0J	92	41	70-130		30	M1
Xylene (Total)	ug/kg	ND	58.7	50.5	37.0	19.7	63	39	70-130	61	30	MS,RS
1,2-Dichloroethane-d4 (S)	%						105	94	70-130			
4-Bromofluorobenzene (S)	%						95	104	70-130			
Toluene-d8 (S)	%						102	115	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741210 2741211

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	565	565	496	506	88	90	70-130	2	30	
1,1,1-Trichloroethane	ug/kg	ND	565	565	535	547	95	97	70-130	2	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	565	565	533	540	94	96	70-130	1	30	
1,1,2-Trichloroethane	ug/kg	ND	565	565	554	560	98	99	70-130	1	30	
1,1-Dichloroethane	ug/kg	ND	565	565	550	581	97	103	70-130	5	30	
1,1-Dichloroethene	ug/kg	ND	565	565	462	557	82	99	70-130	19	30	
1,1-Dichloropropene	ug/kg	ND	565	565	547	556	97	98	70-130	2	30	
1,2,3-Trichlorobenzene	ug/kg	ND	565	565	532	557	94	99	70-130	5	30	
1,2,3-Trichloropropane	ug/kg	ND	565	565	550	561	97	99	70-130	2	30	
1,2,4-Trichlorobenzene	ug/kg	ND	565	565	519	523	92	93	70-130	1	30	
1,2,4-Trimethylbenzene	ug/kg	ND	565	565	507	524	90	93	70-130	3	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	565	565	500	499	89	88	70-130	0	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	565	565	516	503	91	89	70-130	2	30	
1,2-Dichlorobenzene	ug/kg	ND	565	565	529	537	94	95	70-130	1	30	
1,2-Dichloroethane	ug/kg	ND	565	565	578	571	102	101	70-130	1	30	
1,2-Dichloropropane	ug/kg	ND	565	565	583	583	103	103	70-130	0	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741210 2741211

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3,5-Trimethylbenzene	ug/kg	ND	565	565	505	515	89	91	70-130	2	30	
1,3-Dichlorobenzene	ug/kg	ND	565	565	528	509	93	90	70-130	4	30	
1,3-Dichloropropane	ug/kg	ND	565	565	549	521	97	92	70-130	5	30	
1,4-Dichlorobenzene	ug/kg	ND	565	565	508	512	90	91	70-130	1	30	
2,2-Dichloropropane	ug/kg	ND	565	565	535	524	95	93	70-130	2	30	
2-Butanone (MEK)	ug/kg	ND	1130	1130	1010J	1050J	90	93	70-130		30	
2-Chlorotoluene	ug/kg	ND	565	565	500	514	89	91	70-130	3	30	
2-Hexanone	ug/kg	ND	1130	1130	882J	1000J	78	89	70-130		30	
4-Chlorotoluene	ug/kg	ND	565	565	508	525	90	93	70-130	3	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1130	1130	1060J	1040J	94	92	70-130		30	
Acetone	ug/kg	ND	1130	1130	1040J	954J	92	84	70-130		30	
Benzene	ug/kg	ND	565	565	545	570	96	101	70-130	4	30	
Bromobenzene	ug/kg	ND	565	565	526	536	93	95	70-130	2	30	
Bromochloromethane	ug/kg	ND	565	565	513	517	91	92	70-130	1	30	
Bromodichloromethane	ug/kg	ND	565	565	603	571	107	101	70-130	6	30	
Bromoform	ug/kg	ND	565	565	497	477	88	84	70-130	4	30	
Bromomethane	ug/kg	ND	565	565	930	991	165	175	70-130	6	30	M0
Carbon tetrachloride	ug/kg	ND	565	565	492	527	87	93	70-130	7	30	
Chlorobenzene	ug/kg	ND	565	565	536	555	95	98	70-130	3	30	
Chloroethane	ug/kg	ND	565	565	348	329	62	58	70-130	6	30	M1
Chloroform	ug/kg	ND	565	565	566	561	100	99	70-130	1	30	
Chloromethane	ug/kg	ND	565	565	675	670	120	119	70-130	1	30	
cis-1,2-Dichloroethene	ug/kg	ND	565	565	544	587	96	104	70-130	8	30	
cis-1,3-Dichloropropene	ug/kg	ND	565	565	590	582	104	103	70-130	1	30	
Dibromochloromethane	ug/kg	ND	565	565	501	494	89	88	70-130	1	30	
Dibromomethane	ug/kg	ND	565	565	550	579	97	103	70-130	5	30	
Dichlorodifluoromethane	ug/kg	ND	565	565	591	583	105	103	70-130	1	30	
Diisopropyl ether	ug/kg	ND	565	565	513	501	91	89	70-130	2	30	
Ethylbenzene	ug/kg	ND	565	565	540	569	96	101	70-130	5	30	
Hexachloro-1,3-butadiene	ug/kg	ND	565	565	514	503	91	89	70-130	2	30	
Isopropylbenzene (Cumene)	ug/kg	ND	565	565	516	538	91	95	70-130	4	30	
m&p-Xylene	ug/kg	ND	1130	1130	1050	1070	93	94	70-130	2	30	
Methyl-tert-butyl ether	ug/kg	ND	565	565	555	544	98	96	70-130	2	30	
Methylene Chloride	ug/kg	ND	565	565	681	757	121	134	70-130	11	30	M1
n-Butylbenzene	ug/kg	ND	565	565	473	471	84	83	70-130	1	30	
n-Propylbenzene	ug/kg	ND	565	565	474	496	84	88	70-130	5	30	
Naphthalene	ug/kg	40.2J	565	565	566	583	93	96	70-130	3	30	
o-Xylene	ug/kg	ND	565	565	537	543	95	96	70-130	1	30	
p-Isopropyltoluene	ug/kg	ND	565	565	489	494	87	88	70-130	1	30	
sec-Butylbenzene	ug/kg	ND	565	565	489	490	87	87	70-130	0	30	
Styrene	ug/kg	ND	565	565	531	537	94	95	70-130	1	30	
tert-Butylbenzene	ug/kg	ND	565	565	409	406	72	72	70-130	1	30	
Tetrachloroethene	ug/kg	ND	565	565	471	486	83	86	70-130	3	30	
Toluene	ug/kg	ND	565	565	549	563	97	100	70-130	3	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2741210 2741211

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,2-Dichloroethene	ug/kg	ND	565	565	540	526	96	93	70-130	3	30	
trans-1,3-Dichloropropene	ug/kg	ND	565	565	540	540	96	96	70-130	0	30	
Trichloroethene	ug/kg	ND	565	565	514	569	91	101	70-130	10	30	
Trichlorofluoromethane	ug/kg	ND	565	565	267	244	47	43	70-130	9	30	M1
Vinyl acetate	ug/kg	ND	1130	1130	1180J	1100J	104	97	70-130		30	
Vinyl chloride	ug/kg	ND	565	565	679	688	120	122	70-130	1	30	
Xylene (Total)	ug/kg	ND	1690	1690	1590	1610	94	95	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%						107	111	70-130			
4-Bromofluorobenzene (S)	%						102	103	70-130			
Toluene-d8 (S)	%						104	106	70-130			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511047 | Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92454032005, 92454032006, 92454032007, 92454032008, 92454032010

METHOD BLANK: 2741692 | Matrix: Solid
Associated Lab Samples: 92454032005, 92454032006, 92454032007, 92454032008, 92454032010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	2.1	11/21/19 17:48	
1,1,1-Trichloroethane	ug/kg	ND	5.0	1.8	11/21/19 17:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	11/21/19 17:48	
1,1,2-Trichloroethane	ug/kg	ND	5.0	2.1	11/21/19 17:48	
1,1-Dichloroethane	ug/kg	ND	5.0	1.5	11/21/19 17:48	
1,1-Dichloroethene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
1,1-Dichloropropene	ug/kg	ND	5.0	1.5	11/21/19 17:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	2.2	11/21/19 17:48	
1,2,3-Trichloropropane	ug/kg	ND	5.0	1.6	11/21/19 17:48	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	1.6	11/21/19 17:48	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	2.0	11/21/19 17:48	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	3.6	11/21/19 17:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	1.8	11/21/19 17:48	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.9	11/21/19 17:48	
1,2-Dichloroethane	ug/kg	ND	5.0	2.2	11/21/19 17:48	
1,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/21/19 17:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
1,3-Dichlorobenzene	ug/kg	ND	5.0	2.0	11/21/19 17:48	
1,3-Dichloropropane	ug/kg	ND	5.0	1.9	11/21/19 17:48	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.7	11/21/19 17:48	
2,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/21/19 17:48	
2-Butanone (MEK)	ug/kg	ND	100	2.9	11/21/19 17:48	
2-Chlorotoluene	ug/kg	ND	5.0	1.7	11/21/19 17:48	
2-Hexanone	ug/kg	ND	50.0	3.9	11/21/19 17:48	
4-Chlorotoluene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	3.7	11/21/19 17:48	
Acetone	ug/kg	ND	100	10.0	11/21/19 17:48	
Benzene	ug/kg	ND	5.0	1.6	11/21/19 17:48	
Bromobenzene	ug/kg	ND	5.0	2.0	11/21/19 17:48	
Bromochloromethane	ug/kg	ND	5.0	1.7	11/21/19 17:48	
Bromodichloromethane	ug/kg	ND	5.0	1.9	11/21/19 17:48	
Bromoform	ug/kg	ND	5.0	2.3	11/21/19 17:48	
Bromomethane	ug/kg	ND	10.0	2.5	11/21/19 17:48	
Carbon tetrachloride	ug/kg	ND	5.0	2.6	11/21/19 17:48	
Chlorobenzene	ug/kg	ND	5.0	1.9	11/21/19 17:48	
Chloroethane	ug/kg	ND	10.0	2.4	11/21/19 17:48	
Chloroform	ug/kg	ND	5.0	1.6	11/21/19 17:48	
Chloromethane	ug/kg	ND	10.0	2.4	11/21/19 17:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.4	11/21/19 17:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
Dibromochloromethane	ug/kg	ND	5.0	1.8	11/21/19 17:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2741692 Matrix: Solid
Associated Lab Samples: 92454032005, 92454032006, 92454032007, 92454032008, 92454032010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	2.5	11/21/19 17:48	
Dichlorodifluoromethane	ug/kg	ND	10.0	3.6	11/21/19 17:48	
Diisopropyl ether	ug/kg	ND	5.0	1.7	11/21/19 17:48	
Ethylbenzene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	2.0	11/21/19 17:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.9	11/21/19 17:48	
m&p-Xylene	ug/kg	ND	10.0	3.6	11/21/19 17:48	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.5	11/21/19 17:48	
Methylene Chloride	ug/kg	ND	20.0	3.0	11/21/19 17:48	
n-Butylbenzene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
n-Propylbenzene	ug/kg	ND	5.0	1.7	11/21/19 17:48	
Naphthalene	ug/kg	1.4J	5.0	1.2	11/21/19 17:48	
o-Xylene	ug/kg	ND	5.0	1.9	11/21/19 17:48	
p-Isopropyltoluene	ug/kg	ND	5.0	1.7	11/21/19 17:48	
sec-Butylbenzene	ug/kg	ND	5.0	1.6	11/21/19 17:48	
Styrene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
tert-Butylbenzene	ug/kg	ND	5.0	2.0	11/21/19 17:48	
Tetrachloroethene	ug/kg	ND	5.0	1.7	11/21/19 17:48	
Toluene	ug/kg	ND	5.0	1.8	11/21/19 17:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.9	11/21/19 17:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.5	11/21/19 17:48	
Trichloroethene	ug/kg	ND	5.0	2.1	11/21/19 17:48	
Trichlorofluoromethane	ug/kg	ND	5.0	2.2	11/21/19 17:48	
Vinyl acetate	ug/kg	ND	50.0	8.8	11/21/19 17:48	
Vinyl chloride	ug/kg	ND	10.0	1.8	11/21/19 17:48	
Xylene (Total)	ug/kg	ND	10.0	3.6	11/21/19 17:48	
1,2-Dichloroethane-d4 (S)	%	90	70-130		11/21/19 17:48	
4-Bromofluorobenzene (S)	%	102	70-130		11/21/19 17:48	
Toluene-d8 (S)	%	119	70-130		11/21/19 17:48	

LABORATORY CONTROL SAMPLE & LCSD: 2741693 2741694

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	50.5	47.2	101	94	70-130	7	30	
1,1,1-Trichloroethane	ug/kg	50	53.2	47.9	106	96	70-130	10	30	
1,1,2,2-Tetrachloroethane	ug/kg	50	48.6	45.3	97	91	70-130	7	30	
1,1,2-Trichloroethane	ug/kg	50	51.5	46.4	103	93	70-130	11	30	
1,1-Dichloroethane	ug/kg	50	50.7	46.5	101	93	70-130	9	30	
1,1-Dichloroethene	ug/kg	50	55.6	50.4	111	101	70-130	10	30	
1,1-Dichloropropene	ug/kg	50	58.0	53.7	116	107	70-130	8	30	
1,2,3-Trichlorobenzene	ug/kg	50	50.1	45.0	100	90	70-130	11	30	
1,2,3-Trichloropropane	ug/kg	50	49.5	45.4	99	91	70-130	9	30	
1,2,4-Trichlorobenzene	ug/kg	50	49.9	43.3	100	87	70-130	14	30	
1,2,4-Trimethylbenzene	ug/kg	50	51.2	44.5	102	89	70-130	14	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2741693 2741694

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	50	52.5	46.2	105	92	70-130	13	30	
1,2-Dibromoethane (EDB)	ug/kg	50	51.2	46.8	102	94	70-130	9	30	
1,2-Dichlorobenzene	ug/kg	50	49.6	44.0	99	88	70-130	12	30	
1,2-Dichloroethane	ug/kg	50	49.7	46.2	99	92	70-130	7	30	
1,2-Dichloropropane	ug/kg	50	52.6	47.7	105	95	70-130	10	30	
1,3,5-Trimethylbenzene	ug/kg	50	50.6	44.3	101	89	70-130	13	30	
1,3-Dichlorobenzene	ug/kg	50	50.5	44.9	101	90	70-130	12	30	
1,3-Dichloropropane	ug/kg	50	52.4	47.9	105	96	70-130	9	30	
1,4-Dichlorobenzene	ug/kg	50	50.6	44.1	101	88	70-130	14	30	
2,2-Dichloropropane	ug/kg	50	52.9	48.3	106	97	70-130	9	30	
2-Butanone (MEK)	ug/kg	100	108	94.2J	108	94	70-130		30	
2-Chlorotoluene	ug/kg	50	50.9	44.5	102	89	70-130	13	30	
2-Hexanone	ug/kg	100	105	93.2	105	93	70-130	12	30	
4-Chlorotoluene	ug/kg	50	51.2	44.7	102	89	70-130	13	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	99.9	87.7	100	88	70-130	13	30	
Acetone	ug/kg	100	122	102	122	102	70-130	19	30	
Benzene	ug/kg	50	53.3	47.9	107	96	70-130	11	30	
Bromobenzene	ug/kg	50	51.2	45.6	102	91	70-130	12	30	
Bromochloromethane	ug/kg	50	52.9	46.4	106	93	70-130	13	30	
Bromodichloromethane	ug/kg	50	50.7	45.5	101	91	70-130	11	30	
Bromoform	ug/kg	50	50.7	46.4	101	93	70-130	9	30	
Bromomethane	ug/kg	50	75.3	67.8	151	136	70-130	11	30	IH,L1
Carbon tetrachloride	ug/kg	50	53.0	48.1	106	96	70-130	10	30	
Chlorobenzene	ug/kg	50	49.3	45.0	99	90	70-130	9	30	
Chloroethane	ug/kg	50	57.0	51.6	114	103	70-130	10	30	3g
Chloroform	ug/kg	50	51.4	48.1	103	96	70-130	7	30	
Chloromethane	ug/kg	50	57.3	51.7	115	103	70-130	10	30	
cis-1,2-Dichloroethene	ug/kg	50	50.5	45.8	101	92	70-130	10	30	
cis-1,3-Dichloropropene	ug/kg	50	54.2	48.2	108	96	70-130	12	30	
Dibromochloromethane	ug/kg	50	50.6	47.5	101	95	70-130	6	30	
Dibromomethane	ug/kg	50	48.6	44.8	97	90	70-130	8	30	
Dichlorodifluoromethane	ug/kg	50	57.8	53.0	116	106	70-130	9	30	
Diisopropyl ether	ug/kg	50	52.9	48.6	106	97	70-130	9	30	
Ethylbenzene	ug/kg	50	49.3	45.5	99	91	70-130	8	30	
Hexachloro-1,3-butadiene	ug/kg	50	48.9	44.0	98	88	70-130	10	30	
Isopropylbenzene (Cumene)	ug/kg	50	50.6	46.9	101	94	70-130	8	30	
m&p-Xylene	ug/kg	100	100	92.1	100	92	70-130	8	30	
Methyl-tert-butyl ether	ug/kg	50	54.1	49.1	108	98	70-130	10	30	
Methylene Chloride	ug/kg	50	56.4	54.4	113	109	70-130	4	30	
n-Butylbenzene	ug/kg	50	50.5	44.5	101	89	70-130	13	30	
n-Propylbenzene	ug/kg	50	49.9	43.8	100	88	70-130	13	30	
Naphthalene	ug/kg	50	48.7	43.7	97	87	70-130	11	30	
o-Xylene	ug/kg	50	49.4	45.5	99	91	70-130	8	30	
p-Isopropyltoluene	ug/kg	50	49.8	43.9	100	88	70-130	13	30	
sec-Butylbenzene	ug/kg	50	50.7	44.3	101	89	70-130	13	30	
Styrene	ug/kg	50	50.2	46.9	100	94	70-130	7	30	
tert-Butylbenzene	ug/kg	50	45.2	40.1	90	80	70-130	12	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2741693 2741694

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/kg	50	51.1	46.0	102	92	70-130	10	30	
Toluene	ug/kg	50	52.9	46.9	106	94	70-130	12	30	
trans-1,2-Dichloroethene	ug/kg	50	52.8	47.3	106	95	70-130	11	30	
trans-1,3-Dichloropropene	ug/kg	50	52.4	46.9	105	94	70-130	11	30	
Trichloroethene	ug/kg	50	54.1	49.3	108	99	70-130	9	30	
Trichlorofluoromethane	ug/kg	50	56.2	50.5	112	101	70-130	11	30	
Vinyl acetate	ug/kg	100	114	96.0	114	96	70-130	18	30	
Vinyl chloride	ug/kg	50	63.1	57.3	126	115	70-130	10	30	
Xylene (Total)	ug/kg	150	149	138	100	92	70-130	8	30	
1,2-Dichloroethane-d4 (S)	%				103	97	70-130			
4-Bromofluorobenzene (S)	%				99	101	70-130			
Toluene-d8 (S)	%				98	97	70-130			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511222 | Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032032

METHOD BLANK: 2742431 | Matrix: Solid
Associated Lab Samples: 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	2.1	11/22/19 12:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	1.8	11/22/19 12:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	11/22/19 12:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	2.1	11/22/19 12:01	
1,1-Dichloroethane	ug/kg	ND	5.0	1.5	11/22/19 12:01	
1,1-Dichloroethene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
1,1-Dichloropropene	ug/kg	ND	5.0	1.5	11/22/19 12:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	2.2	11/22/19 12:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	1.6	11/22/19 12:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	1.6	11/22/19 12:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	2.0	11/22/19 12:01	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	3.6	11/22/19 12:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	1.8	11/22/19 12:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.9	11/22/19 12:01	
1,2-Dichloroethane	ug/kg	ND	5.0	2.2	11/22/19 12:01	
1,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/22/19 12:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	2.0	11/22/19 12:01	
1,3-Dichloropropane	ug/kg	ND	5.0	1.9	11/22/19 12:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.7	11/22/19 12:01	
2,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/22/19 12:01	
2-Butanone (MEK)	ug/kg	ND	100	2.9	11/22/19 12:01	
2-Chlorotoluene	ug/kg	ND	5.0	1.7	11/22/19 12:01	
2-Hexanone	ug/kg	ND	50.0	3.9	11/22/19 12:01	
4-Chlorotoluene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	3.7	11/22/19 12:01	
Acetone	ug/kg	ND	100	10.0	11/22/19 12:01	
Benzene	ug/kg	ND	5.0	1.6	11/22/19 12:01	
Bromobenzene	ug/kg	ND	5.0	2.0	11/22/19 12:01	
Bromochloromethane	ug/kg	ND	5.0	1.7	11/22/19 12:01	
Bromodichloromethane	ug/kg	ND	5.0	1.9	11/22/19 12:01	
Bromoform	ug/kg	ND	5.0	2.3	11/22/19 12:01	
Bromomethane	ug/kg	ND	10.0	2.5	11/22/19 12:01	
Carbon tetrachloride	ug/kg	ND	5.0	2.6	11/22/19 12:01	
Chlorobenzene	ug/kg	ND	5.0	1.9	11/22/19 12:01	
Chloroethane	ug/kg	ND	10.0	2.4	11/22/19 12:01	
Chloroform	ug/kg	ND	5.0	1.6	11/22/19 12:01	
Chloromethane	ug/kg	ND	10.0	2.4	11/22/19 12:01	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2742431 Matrix: Solid

Associated Lab Samples: 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.4	11/22/19 12:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
Dibromochloromethane	ug/kg	ND	5.0	1.8	11/22/19 12:01	
Dibromomethane	ug/kg	ND	5.0	2.5	11/22/19 12:01	
Dichlorodifluoromethane	ug/kg	ND	10.0	3.6	11/22/19 12:01	
Diisopropyl ether	ug/kg	ND	5.0	1.7	11/22/19 12:01	
Ethylbenzene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	2.0	11/22/19 12:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.9	11/22/19 12:01	
m&p-Xylene	ug/kg	ND	10.0	3.6	11/22/19 12:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.5	11/22/19 12:01	
Methylene Chloride	ug/kg	ND	20.0	3.0	11/22/19 12:01	
n-Butylbenzene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
n-Propylbenzene	ug/kg	ND	5.0	1.7	11/22/19 12:01	
Naphthalene	ug/kg	1.2J	5.0	1.2	11/22/19 12:01	
o-Xylene	ug/kg	ND	5.0	1.9	11/22/19 12:01	
p-Isopropyltoluene	ug/kg	ND	5.0	1.7	11/22/19 12:01	
sec-Butylbenzene	ug/kg	ND	5.0	1.6	11/22/19 12:01	
Styrene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
tert-Butylbenzene	ug/kg	ND	5.0	2.0	11/22/19 12:01	
Tetrachloroethene	ug/kg	ND	5.0	1.7	11/22/19 12:01	
Toluene	ug/kg	ND	5.0	1.8	11/22/19 12:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.9	11/22/19 12:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.5	11/22/19 12:01	
Trichloroethene	ug/kg	ND	5.0	2.1	11/22/19 12:01	
Trichlorofluoromethane	ug/kg	ND	5.0	2.2	11/22/19 12:01	
Vinyl acetate	ug/kg	ND	50.0	8.8	11/22/19 12:01	
Vinyl chloride	ug/kg	ND	10.0	1.8	11/22/19 12:01	
Xylene (Total)	ug/kg	ND	10.0	3.6	11/22/19 12:01	
1,2-Dichloroethane-d4 (S)	%	91	70-130		11/22/19 12:01	
4-Bromofluorobenzene (S)	%	103	70-130		11/22/19 12:01	
Toluene-d8 (S)	%	116	70-130		11/22/19 12:01	

LABORATORY CONTROL SAMPLE & LCSD: 2742432 2742433

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	48.9	44.0	98	88	70-130	11	30	
1,1,1-Trichloroethane	ug/kg	50	47.6	46.0	95	92	70-130	3	30	
1,1,2,2-Tetrachloroethane	ug/kg	50	50.2	46.0	100	92	70-130	9	30	
1,1,2-Trichloroethane	ug/kg	50	50.1	47.7	100	95	70-130	5	30	
1,1-Dichloroethane	ug/kg	50	47.6	46.0	95	92	70-130	3	30	
1,1-Dichloroethene	ug/kg	50	48.4	47.4	97	95	70-130	2	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2742432 2742433

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloropropene	ug/kg	50	53.6	50.6	107	101	70-130	6	30	
1,2,3-Trichlorobenzene	ug/kg	50	46.0	42.0	92	84	70-130	9	30	
1,2,3-Trichloropropane	ug/kg	50	50.6	46.4	101	93	70-130	9	30	
1,2,4-Trichlorobenzene	ug/kg	50	45.3	41.1	91	82	70-130	10	30	
1,2,4-Trimethylbenzene	ug/kg	50	45.1	43.0	90	86	70-130	5	30	
1,2-Dibromo-3-chloropropane	ug/kg	50	48.2	48.1	96	96	70-130	0	30	
1,2-Dibromoethane (EDB)	ug/kg	50	49.5	47.3	99	95	70-130	4	30	
1,2-Dichlorobenzene	ug/kg	50	45.5	42.4	91	85	70-130	7	30	
1,2-Dichloroethane	ug/kg	50	48.3	47.4	97	95	70-130	2	30	
1,2-Dichloropropane	ug/kg	50	49.2	48.0	98	96	70-130	2	30	
1,3,5-Trimethylbenzene	ug/kg	50	45.0	42.7	90	85	70-130	5	30	
1,3-Dichlorobenzene	ug/kg	50	46.1	42.5	92	85	70-130	8	30	
1,3-Dichloropropane	ug/kg	50	50.2	47.6	100	95	70-130	5	30	
1,4-Dichlorobenzene	ug/kg	50	46.2	42.5	92	85	70-130	8	30	
2,2-Dichloropropane	ug/kg	50	47.2	45.9	94	92	70-130	3	30	
2-Butanone (MEK)	ug/kg	100	105	105	105	105	70-130	0	30	
2-Chlorotoluene	ug/kg	50	45.8	43.0	92	86	70-130	6	30	
2-Hexanone	ug/kg	100	104	99.7	104	100	70-130	4	30	
4-Chlorotoluene	ug/kg	50	46.6	43.3	93	87	70-130	8	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	99.7	94.9	100	95	70-130	5	30	
Acetone	ug/kg	100	110	113	110	113	70-130	2	30	
Benzene	ug/kg	50	48.7	46.7	97	93	70-130	4	30	
Bromobenzene	ug/kg	50	46.0	45.0	92	90	70-130	2	30	
Bromochloromethane	ug/kg	50	47.0	47.3	94	95	70-130	1	30	
Bromodichloromethane	ug/kg	50	47.4	46.8	95	94	70-130	1	30	
Bromoform	ug/kg	50	52.2	49.1	104	98	70-130	6	30	
Bromomethane	ug/kg	50	59.1	60.2	118	120	70-130	2	30	IH
Carbon tetrachloride	ug/kg	50	48.3	46.4	97	93	70-130	4	30	
Chlorobenzene	ug/kg	50	46.2	43.6	92	87	70-130	6	30	
Chloroethane	ug/kg	50	49.8	49.8	100	100	70-130	0	30	3g
Chloroform	ug/kg	50	43.8	44.4	88	89	70-130	1	30	
Chloromethane	ug/kg	50	47.7	48.6	95	97	70-130	2	30	
cis-1,2-Dichloroethene	ug/kg	50	46.0	45.2	92	90	70-130	2	30	
cis-1,3-Dichloropropene	ug/kg	50	51.4	49.7	103	99	70-130	3	30	
Dibromochloromethane	ug/kg	50	50.0	47.3	100	95	70-130	5	30	
Dibromomethane	ug/kg	50	47.6	46.4	95	93	70-130	3	30	
Dichlorodifluoromethane	ug/kg	50	46.0	44.9	92	90	70-130	2	30	
Diisopropyl ether	ug/kg	50	51.6	48.5	103	97	70-130	6	30	
Ethylbenzene	ug/kg	50	45.6	43.0	91	86	70-130	6	30	
Hexachloro-1,3-butadiene	ug/kg	50	45.4	41.6	91	83	70-130	9	30	
Isopropylbenzene (Cumene)	ug/kg	50	47.5	45.3	95	91	70-130	5	30	
m&p-Xylene	ug/kg	100	92.7	88.8	93	89	70-130	4	30	
Methyl-tert-butyl ether	ug/kg	50	52.2	51.8	104	104	70-130	1	30	
Methylene Chloride	ug/kg	50	49.7	49.0	99	98	70-130	1	30	
n-Butylbenzene	ug/kg	50	44.9	41.0	90	82	70-130	9	30	
n-Propylbenzene	ug/kg	50	45.0	41.9	90	84	70-130	7	30	
Naphthalene	ug/kg	50	45.4	43.4	91	87	70-130	4	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2742432 2742433

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/kg	50	46.6	44.9	93	90	70-130	4	30	
p-Isopropyltoluene	ug/kg	50	45.4	41.0	91	82	70-130	10	30	
sec-Butylbenzene	ug/kg	50	45.8	42.8	92	86	70-130	7	30	
Styrene	ug/kg	50	47.9	46.3	96	93	70-130	3	30	
tert-Butylbenzene	ug/kg	50	41.2	38.4	82	77	70-130	7	30	
Tetrachloroethene	ug/kg	50	47.2	41.8	94	84	70-130	12	30	
Toluene	ug/kg	50	49.2	45.6	98	91	70-130	8	30	
trans-1,2-Dichloroethene	ug/kg	50	46.9	45.8	94	92	70-130	2	30	
trans-1,3-Dichloropropene	ug/kg	50	50.4	48.9	101	98	70-130	3	30	
Trichloroethene	ug/kg	50	49.5	47.0	99	94	70-130	5	30	
Trichlorofluoromethane	ug/kg	50	48.4	48.2	97	96	70-130	0	30	
Vinyl acetate	ug/kg	100	103	93.5	103	93	70-130	10	30	
Vinyl chloride	ug/kg	50	52.6	51.3	105	103	70-130	2	30	
Xylene (Total)	ug/kg	150	139	134	93	89	70-130	4	30	
1,2-Dichloroethane-d4 (S)	%				102	104	70-130			
4-Bromofluorobenzene (S)	%				102	106	70-130			
Toluene-d8 (S)	%				98	98	70-130			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511378 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92454032031, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

METHOD BLANK: 2743313 Matrix: Solid
Associated Lab Samples: 92454032031, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	2.1	11/23/19 10:48	
1,1,1-Trichloroethane	ug/kg	ND	5.0	1.8	11/23/19 10:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	11/23/19 10:48	
1,1,2-Trichloroethane	ug/kg	ND	5.0	2.1	11/23/19 10:48	
1,1-Dichloroethane	ug/kg	ND	5.0	1.5	11/23/19 10:48	
1,1-Dichloroethene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
1,1-Dichloropropene	ug/kg	ND	5.0	1.5	11/23/19 10:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	2.2	11/23/19 10:48	
1,2,3-Trichloropropane	ug/kg	ND	5.0	1.6	11/23/19 10:48	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	1.6	11/23/19 10:48	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	2.0	11/23/19 10:48	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	3.6	11/23/19 10:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	1.8	11/23/19 10:48	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.9	11/23/19 10:48	
1,2-Dichloroethane	ug/kg	ND	5.0	2.2	11/23/19 10:48	
1,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/23/19 10:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
1,3-Dichlorobenzene	ug/kg	ND	5.0	2.0	11/23/19 10:48	
1,3-Dichloropropane	ug/kg	ND	5.0	1.9	11/23/19 10:48	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.7	11/23/19 10:48	
2,2-Dichloropropane	ug/kg	ND	5.0	1.7	11/23/19 10:48	
2-Butanone (MEK)	ug/kg	ND	100	2.9	11/23/19 10:48	
2-Chlorotoluene	ug/kg	ND	5.0	1.7	11/23/19 10:48	
2-Hexanone	ug/kg	ND	50.0	3.9	11/23/19 10:48	
4-Chlorotoluene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	3.7	11/23/19 10:48	
Acetone	ug/kg	ND	100	10.0	11/23/19 10:48	
Benzene	ug/kg	ND	5.0	1.6	11/23/19 10:48	
Bromobenzene	ug/kg	ND	5.0	2.0	11/23/19 10:48	
Bromochloromethane	ug/kg	ND	5.0	1.7	11/23/19 10:48	
Bromodichloromethane	ug/kg	ND	5.0	1.9	11/23/19 10:48	
Bromoform	ug/kg	ND	5.0	2.3	11/23/19 10:48	
Bromomethane	ug/kg	ND	10.0	2.5	11/23/19 10:48	
Carbon tetrachloride	ug/kg	ND	5.0	2.6	11/23/19 10:48	
Chlorobenzene	ug/kg	ND	5.0	1.9	11/23/19 10:48	
Chloroethane	ug/kg	ND	10.0	2.4	11/23/19 10:48	
Chloroform	ug/kg	ND	5.0	1.6	11/23/19 10:48	
Chloromethane	ug/kg	ND	10.0	2.4	11/23/19 10:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.4	11/23/19 10:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
Dibromochloromethane	ug/kg	ND	5.0	1.8	11/23/19 10:48	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2743313 Matrix: Solid
Associated Lab Samples: 92454032031, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	2.5	11/23/19 10:48	
Dichlorodifluoromethane	ug/kg	ND	10.0	3.6	11/23/19 10:48	
Diisopropyl ether	ug/kg	ND	5.0	1.7	11/23/19 10:48	
Ethylbenzene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	2.0	11/23/19 10:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.9	11/23/19 10:48	
m&p-Xylene	ug/kg	ND	10.0	3.6	11/23/19 10:48	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.5	11/23/19 10:48	
Methylene Chloride	ug/kg	ND	20.0	3.0	11/23/19 10:48	
n-Butylbenzene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
n-Propylbenzene	ug/kg	ND	5.0	1.7	11/23/19 10:48	
Naphthalene	ug/kg	ND	5.0	1.2	11/23/19 10:48	
o-Xylene	ug/kg	ND	5.0	1.9	11/23/19 10:48	
p-Isopropyltoluene	ug/kg	ND	5.0	1.7	11/23/19 10:48	
sec-Butylbenzene	ug/kg	ND	5.0	1.6	11/23/19 10:48	
Styrene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
tert-Butylbenzene	ug/kg	ND	5.0	2.0	11/23/19 10:48	
Tetrachloroethene	ug/kg	ND	5.0	1.7	11/23/19 10:48	
Toluene	ug/kg	ND	5.0	1.8	11/23/19 10:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.9	11/23/19 10:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.5	11/23/19 10:48	
Trichloroethene	ug/kg	ND	5.0	2.1	11/23/19 10:48	
Trichlorofluoromethane	ug/kg	ND	5.0	2.2	11/23/19 10:48	
Vinyl acetate	ug/kg	ND	50.0	8.8	11/23/19 10:48	
Vinyl chloride	ug/kg	ND	10.0	1.8	11/23/19 10:48	
Xylene (Total)	ug/kg	ND	10.0	3.6	11/23/19 10:48	
1,2-Dichloroethane-d4 (S)	%	86	70-130		11/23/19 10:48	
4-Bromofluorobenzene (S)	%	100	70-130		11/23/19 10:48	
Toluene-d8 (S)	%	120	70-130		11/23/19 10:48	

LABORATORY CONTROL SAMPLE & LCSD: 2743314 2743315

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	45.9	46.1	92	92	70-130	1	30	
1,1,1-Trichloroethane	ug/kg	50	45.9	45.9	92	92	70-130	0	30	
1,1,2,2-Tetrachloroethane	ug/kg	50	47.7	47.2	95	94	70-130	1	30	
1,1,2-Trichloroethane	ug/kg	50	48.9	47.5	98	95	70-130	3	30	
1,1-Dichloroethane	ug/kg	50	46.6	44.8	93	90	70-130	4	30	
1,1-Dichloroethene	ug/kg	50	47.8	47.2	96	94	70-130	1	30	
1,1-Dichloropropene	ug/kg	50	49.9	48.7	100	97	70-130	2	30	
1,2,3-Trichlorobenzene	ug/kg	50	44.6	42.3	89	85	70-130	5	30	
1,2,3-Trichloropropane	ug/kg	50	47.5	48.3	95	97	70-130	2	30	
1,2,4-Trichlorobenzene	ug/kg	50	42.3	40.9	85	82	70-130	3	30	
1,2,4-Trimethylbenzene	ug/kg	50	44.1	42.2	88	84	70-130	4	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2743314 2743315

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	50	50.3	49.1	101	98	70-130	2	30	
1,2-Dibromoethane (EDB)	ug/kg	50	48.0	47.8	96	96	70-130	1	30	
1,2-Dichlorobenzene	ug/kg	50	44.7	43.0	89	86	70-130	4	30	
1,2-Dichloroethane	ug/kg	50	47.3	47.7	95	95	70-130	1	30	
1,2-Dichloropropane	ug/kg	50	49.2	47.2	98	94	70-130	4	30	
1,3,5-Trimethylbenzene	ug/kg	50	43.4	42.3	87	85	70-130	3	30	
1,3-Dichlorobenzene	ug/kg	50	44.0	42.3	88	85	70-130	4	30	
1,3-Dichloropropane	ug/kg	50	48.3	48.4	97	97	70-130	0	30	
1,4-Dichlorobenzene	ug/kg	50	43.7	41.8	87	84	70-130	4	30	
2,2-Dichloropropane	ug/kg	50	46.4	44.6	93	89	70-130	4	30	
2-Butanone (MEK)	ug/kg	100	102	101	102	101	70-130	1	30	
2-Chlorotoluene	ug/kg	50	43.5	42.0	87	84	70-130	3	30	
2-Hexanone	ug/kg	100	96.3	98.8	96	99	70-130	3	30	
4-Chlorotoluene	ug/kg	50	43.7	42.7	87	85	70-130	2	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	94.4	94.3	94	94	70-130	0	30	
Acetone	ug/kg	100	110	110	110	110	70-130	0	30	
Benzene	ug/kg	50	48.0	46.8	96	94	70-130	2	30	
Bromobenzene	ug/kg	50	45.9	44.6	92	89	70-130	3	30	
Bromochloromethane	ug/kg	50	47.6	48.4	95	97	70-130	2	30	
Bromodichloromethane	ug/kg	50	47.8	46.3	96	93	70-130	3	30	
Bromoform	ug/kg	50	50.5	49.4	101	99	70-130	2	30	
Bromomethane	ug/kg	50	59.8	56.5	120	113	70-130	6	30	IH
Carbon tetrachloride	ug/kg	50	47.6	47.0	95	94	70-130	1	30	
Chlorobenzene	ug/kg	50	43.8	43.7	88	87	70-130	0	30	
Chloroethane	ug/kg	50	48.6	48.0	97	96	70-130	1	30	3g
Chloroform	ug/kg	50	45.0	42.3	90	85	70-130	6	30	
Chloromethane	ug/kg	50	46.8	48.2	94	96	70-130	3	30	
cis-1,2-Dichloroethene	ug/kg	50	45.7	44.8	91	90	70-130	2	30	
cis-1,3-Dichloropropene	ug/kg	50	49.5	49.0	99	98	70-130	1	30	
Dibromochloromethane	ug/kg	50	49.0	48.0	98	96	70-130	2	30	
Dibromomethane	ug/kg	50	47.6	47.0	95	94	70-130	1	30	
Dichlorodifluoromethane	ug/kg	50	45.7	44.5	91	89	70-130	3	30	
Diisopropyl ether	ug/kg	50	49.2	48.3	98	97	70-130	2	30	
Ethylbenzene	ug/kg	50	43.3	43.0	87	86	70-130	1	30	
Hexachloro-1,3-butadiene	ug/kg	50	43.5	41.3	87	83	70-130	5	30	
Isopropylbenzene (Cumene)	ug/kg	50	44.8	44.3	90	89	70-130	1	30	
m&p-Xylene	ug/kg	100	88.2	87.8	88	88	70-130	0	30	
Methyl-tert-butyl ether	ug/kg	50	50.7	49.9	101	100	70-130	1	30	
Methylene Chloride	ug/kg	50	50.0	49.1	100	98	70-130	2	30	
n-Butylbenzene	ug/kg	50	42.2	40.7	84	81	70-130	3	30	
n-Propylbenzene	ug/kg	50	42.5	41.3	85	83	70-130	3	30	
Naphthalene	ug/kg	50	43.4	42.7	87	85	70-130	2	30	
o-Xylene	ug/kg	50	44.0	43.5	88	87	70-130	1	30	
p-Isopropyltoluene	ug/kg	50	42.9	41.4	86	83	70-130	3	30	
sec-Butylbenzene	ug/kg	50	43.5	42.2	87	84	70-130	3	30	
Styrene	ug/kg	50	45.2	45.2	90	90	70-130	0	30	
tert-Butylbenzene	ug/kg	50	39.0	37.4	78	75	70-130	4	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE & LCSD: 2743314 2743315

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/kg	50	44.9	43.1	90	86	70-130	4	30	
Toluene	ug/kg	50	47.9	46.6	96	93	70-130	3	30	
trans-1,2-Dichloroethene	ug/kg	50	45.5	45.6	91	91	70-130	0	30	
trans-1,3-Dichloropropene	ug/kg	50	49.7	48.2	99	96	70-130	3	30	
Trichloroethene	ug/kg	50	48.0	48.0	96	96	70-130	0	30	
Trichlorofluoromethane	ug/kg	50	48.0	48.4	96	97	70-130	1	30	
Vinyl acetate	ug/kg	100	112	101	112	101	70-130	11	30	
Vinyl chloride	ug/kg	50	51.9	52.0	104	104	70-130	0	30	
Xylene (Total)	ug/kg	150	132	131	88	88	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%				101	104	70-130			
4-Bromofluorobenzene (S)	%				102	103	70-130			
Toluene-d8 (S)	%				98	98	70-130			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511163 | Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3546 | Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010, 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032017, 92454032019

METHOD BLANK: 2742153 | Matrix: Solid
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010, 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032017, 92454032019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	0.61	11/22/19 15:53	
2-Methylnaphthalene	ug/kg	ND	10.0	0.61	11/22/19 15:53	
Acenaphthene	ug/kg	ND	10.0	0.50	11/22/19 15:53	
Acenaphthylene	ug/kg	ND	10.0	0.45	11/22/19 15:53	
Anthracene	ug/kg	ND	10.0	0.41	11/22/19 15:53	
Benzo(a)anthracene	ug/kg	ND	10.0	0.73	11/22/19 15:53	
Benzo(a)pyrene	ug/kg	ND	10.0	0.50	11/22/19 15:53	
Benzo(b)fluoranthene	ug/kg	ND	10.0	0.71	11/22/19 15:53	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	1.1	11/22/19 15:53	
Benzo(k)fluoranthene	ug/kg	ND	10.0	0.40	11/22/19 15:53	
Chrysene	ug/kg	ND	10.0	0.48	11/22/19 15:53	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	1.1	11/22/19 15:53	
Fluoranthene	ug/kg	ND	10.0	1.3	11/22/19 15:53	
Fluorene	ug/kg	ND	10.0	0.42	11/22/19 15:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	0.88	11/22/19 15:53	
Naphthalene	ug/kg	ND	10.0	0.63	11/22/19 15:53	
Phenanthrene	ug/kg	ND	10.0	1.1	11/22/19 15:53	
Pyrene	ug/kg	ND	10.0	1.0	11/22/19 15:53	
2-Fluorobiphenyl (S)	%	80	10-110		11/22/19 15:53	
Nitrobenzene-d5 (S)	%	71	10-128		11/22/19 15:53	
Terphenyl-d14 (S)	%	75	39-119		11/22/19 15:53	

LABORATORY CONTROL SAMPLE: 2742154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	32.8	27.5	84	44-130	
2-Methylnaphthalene	ug/kg	32.8	29.8	91	41-134	
Acenaphthene	ug/kg	32.8	28.1	86	52-123	
Acenaphthylene	ug/kg	32.8	27.7	85	49-116	
Anthracene	ug/kg	32.8	30.4	93	41-133	
Benzo(a)anthracene	ug/kg	32.8	27.4	84	56-130	
Benzo(a)pyrene	ug/kg	32.8	27.6	84	51-136	
Benzo(b)fluoranthene	ug/kg	32.8	29.6	90	37-149	
Benzo(g,h,i)perylene	ug/kg	32.8	28.5	87	39-127	
Benzo(k)fluoranthene	ug/kg	32.8	28.4	87	45-139	
Chrysene	ug/kg	32.8	28.9	88	59-127	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2742154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	32.8	29.4	90	37-139	
Fluoranthene	ug/kg	32.8	29.1	89	53-132	
Fluorene	ug/kg	32.8	28.9	88	45-127	
Indeno(1,2,3-cd)pyrene	ug/kg	32.8	28.8	88	35-145	
Naphthalene	ug/kg	32.8	27.8	85	45-123	
Phenanthrene	ug/kg	32.8	29.1	89	50-125	
Pyrene	ug/kg	32.8	29.4	90	52-132	
2-Fluorobiphenyl (S)	%			83	10-110	
Nitrobenzene-d5 (S)	%			74	10-128	
Terphenyl-d14 (S)	%			79	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742155 2742156

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	3.0J	40.3	39.3	32.9	30.9	74	71	50-150	6	30	
2-Methylnaphthalene	ug/kg	4.9J	40.3	39.3	37.1	35.0	80	77	50-150	6	30	
Acenaphthene	ug/kg	0.61J	40.3	39.3	26.8	27.0	65	67	50-150	1	30	
Acenaphthylene	ug/kg	2.6J	40.3	39.3	30.3	32.3	69	76	50-150	6	30	
Anthracene	ug/kg	5.8J	40.3	39.3	27.9	38.0	55	82	50-150	31	30	R1
Benzo(a)anthracene	ug/kg	12.5	40.3	39.3	28.3	68.2	39	142	50-150	83	30	M1,R1
Benzo(a)pyrene	ug/kg	10.7J	40.3	39.3	23.4	64.7	32	137	50-150	94	30	M1,R1
Benzo(b)fluoranthene	ug/kg	21.0	40.3	39.3	39.4	94.3	46	187	50-150	82	30	M1,R1
Benzo(g,h,i)perylene	ug/kg	11.4J	40.3	39.3	25.0	55.8	34	113	50-150	76	30	M1,R1
Benzo(k)fluoranthene	ug/kg	6.5J	40.3	39.3	20.4	39.6	35	84	50-150	64	30	M1,R1
Chrysene	ug/kg	16.0	40.3	39.3	34.5	67.5	46	131	50-150	65	30	M1,R1
Dibenz(a,h)anthracene	ug/kg	3.2J	40.3	39.3	12.5	23.2	23	51	50-150	60	30	M1,R1
Fluoranthene	ug/kg	23.5	40.3	39.3	46.0	90.5	56	170	50-150	65	30	M1,R1
Fluorene	ug/kg	0.82J	40.3	39.3	25.6	26.9	62	66	50-150	5	30	
Indeno(1,2,3-cd)pyrene	ug/kg	9.0J	40.3	39.3	21.8	49.6	32	103	50-150	78	30	M1,R1
Naphthalene	ug/kg	8.3J	40.3	39.3	41.2	38.8	82	78	50-150	6	30	
Phenanthrene	ug/kg	26.0	40.3	39.3	54.1	66.6	70	103	50-150	21	30	
Pyrene	ug/kg	22.5	40.3	39.3	44.2	89.1	54	169	50-150	67	30	M1,R1
2-Fluorobiphenyl (S)	%						65	67	10-110			
Nitrobenzene-d5 (S)	%						74	72	10-128			
Terphenyl-d14 (S)	%						47	52	39-119			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511165 | Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3546 | Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92454032018, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032031, 92454032032, 92454032033, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

METHOD BLANK: 2742160 | Matrix: Solid
Associated Lab Samples: 92454032018, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032031, 92454032032, 92454032033, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	0.61	11/23/19 00:14	
2-Methylnaphthalene	ug/kg	ND	10.0	0.61	11/23/19 00:14	
Acenaphthene	ug/kg	ND	10.0	0.50	11/23/19 00:14	
Acenaphthylene	ug/kg	ND	10.0	0.45	11/23/19 00:14	
Anthracene	ug/kg	ND	10.0	0.41	11/23/19 00:14	
Benzo(a)anthracene	ug/kg	ND	10.0	0.73	11/23/19 00:14	
Benzo(a)pyrene	ug/kg	ND	10.0	0.50	11/23/19 00:14	
Benzo(b)fluoranthene	ug/kg	ND	10.0	0.71	11/23/19 00:14	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	1.1	11/23/19 00:14	
Benzo(k)fluoranthene	ug/kg	ND	10.0	0.40	11/23/19 00:14	
Chrysene	ug/kg	ND	10.0	0.49	11/23/19 00:14	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	1.1	11/23/19 00:14	
Fluoranthene	ug/kg	ND	10.0	1.3	11/23/19 00:14	
Fluorene	ug/kg	ND	10.0	0.42	11/23/19 00:14	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	0.89	11/23/19 00:14	
Naphthalene	ug/kg	ND	10.0	0.64	11/23/19 00:14	
Phenanthrene	ug/kg	ND	10.0	1.1	11/23/19 00:14	
Pyrene	ug/kg	ND	10.0	1.0	11/23/19 00:14	
2-Fluorobiphenyl (S)	%	91	10-110		11/23/19 00:14	
Nitrobenzene-d5 (S)	%	81	10-128		11/23/19 00:14	
Terphenyl-d14 (S)	%	92	39-119		11/23/19 00:14	

LABORATORY CONTROL SAMPLE: 2742161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	30.4	91	44-130	
2-Methylnaphthalene	ug/kg	33.3	32.9	99	41-134	
Acenaphthene	ug/kg	33.3	31.1	93	52-123	
Acenaphthylene	ug/kg	33.3	31.0	93	49-116	
Anthracene	ug/kg	33.3	35.3	106	41-133	
Benzo(a)anthracene	ug/kg	33.3	32.3	97	56-130	
Benzo(a)pyrene	ug/kg	33.3	32.2	97	51-136	
Benzo(b)fluoranthene	ug/kg	33.3	32.7	98	37-149	
Benzo(g,h,i)perylene	ug/kg	33.3	31.1	93	39-127	
Benzo(k)fluoranthene	ug/kg	33.3	33.4	100	45-139	
Chrysene	ug/kg	33.3	33.6	101	59-127	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2742161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	33.3	33.3	100	37-139	
Fluoranthene	ug/kg	33.3	33.6	101	53-132	
Fluorene	ug/kg	33.3	32.4	97	45-127	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	33.0	99	35-145	
Naphthalene	ug/kg	33.3	30.6	92	45-123	
Phenanthrene	ug/kg	33.3	33.3	100	50-125	
Pyrene	ug/kg	33.3	34.0	102	52-132	
2-Fluorobiphenyl (S)	%			91	10-110	
Nitrobenzene-d5 (S)	%			83	10-128	
Terphenyl-d14 (S)	%			94	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742162 2742163

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	45.3	39.9	39.5	110	100	162	140	50-150	9	30	M1
2-Methylnaphthalene	ug/kg	71.3	39.9	39.5	151	140	201	174	50-150	8	30	M1
Acenaphthene	ug/kg	10.7J	39.9	39.5	48.9	52.8	96	107	50-150	8	30	
Acenaphthylene	ug/kg	28.4	39.9	39.5	71.7	87.8	109	151	50-150	20	30	M1
Anthracene	ug/kg	86.0	39.9	39.5	144	159	146	185	50-150	10	30	M1
Benzo(a)anthracene	ug/kg	143	39.9	39.5	224	251	203	273	50-150	11	30	M1
Benzo(a)pyrene	ug/kg	108	39.9	39.5	163	187	140	201	50-150	13	30	M1
Benzo(b)fluoranthene	ug/kg	192	39.9	39.5	295	333	259	357	50-150	12	30	M1
Benzo(g,h,i)perylene	ug/kg	111	39.9	39.5	148	155	95	113	50-150	5	30	
Benzo(k)fluoranthene	ug/kg	61.5	39.9	39.5	119	116	145	137	50-150	3	30	
Chrysene	ug/kg	165	39.9	39.5	258	276	233	282	50-150	7	30	M1
Dibenz(a,h)anthracene	ug/kg	27.1	39.9	39.5	54.4	52.5	69	64	50-150	4	30	
Fluoranthene	ug/kg	328	39.9	39.5	448	499	300	432	50-150	11	30	M1
Fluorene	ug/kg	21.2	39.9	39.5	62.6	70.0	104	124	50-150	11	30	
Indeno(1,2,3-cd)pyrene	ug/kg	84.5	39.9	39.5	121	132	92	119	50-150	8	30	
Naphthalene	ug/kg	116	39.9	39.5	201	194	214	198	50-150	4	30	M1
Phenanthrene	ug/kg	357	39.9	39.5	505	523	373	423	50-150	4	30	M1
Pyrene	ug/kg	265	39.9	39.5	368	410	257	368	50-150	11	30	M1
2-Fluorobiphenyl (S)	%						86	92	10-110			
Nitrobenzene-d5 (S)	%						83	90	10-128			
Terphenyl-d14 (S)	%						81	88	39-119			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511399 | Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3546 | Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92454032016, 92454032034

METHOD BLANK: 2743402 | Matrix: Solid
Associated Lab Samples: 92454032016, 92454032034

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	9.8	0.60	11/24/19 09:59	
2-Methylnaphthalene	ug/kg	ND	9.8	0.60	11/24/19 09:59	
Acenaphthene	ug/kg	ND	9.8	0.49	11/24/19 09:59	
Acenaphthylene	ug/kg	ND	9.8	0.44	11/24/19 09:59	
Anthracene	ug/kg	ND	9.8	0.40	11/24/19 09:59	
Benzo(a)anthracene	ug/kg	ND	9.8	0.72	11/24/19 09:59	
Benzo(a)pyrene	ug/kg	ND	9.8	0.49	11/24/19 09:59	
Benzo(b)fluoranthene	ug/kg	ND	9.8	0.70	11/24/19 09:59	
Benzo(g,h,i)perylene	ug/kg	ND	9.8	1.1	11/24/19 09:59	
Benzo(k)fluoranthene	ug/kg	ND	9.8	0.39	11/24/19 09:59	
Chrysene	ug/kg	ND	9.8	0.48	11/24/19 09:59	
Dibenz(a,h)anthracene	ug/kg	ND	9.8	1.1	11/24/19 09:59	
Fluoranthene	ug/kg	ND	9.8	1.2	11/24/19 09:59	
Fluorene	ug/kg	ND	9.8	0.42	11/24/19 09:59	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	9.8	0.87	11/24/19 09:59	
Naphthalene	ug/kg	ND	9.8	0.62	11/24/19 09:59	
Phenanthrene	ug/kg	ND	9.8	1.1	11/24/19 09:59	
Pyrene	ug/kg	ND	9.8	1.0	11/24/19 09:59	
2-Fluorobiphenyl (S)	%	80	10-110		11/24/19 09:59	
Nitrobenzene-d5 (S)	%	71	10-128		11/24/19 09:59	
Terphenyl-d14 (S)	%	95	39-119		11/24/19 09:59	

LABORATORY CONTROL SAMPLE: 2743403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	32.8	28.1	86	44-130	
2-Methylnaphthalene	ug/kg	32.8	30.2	92	41-134	
Acenaphthene	ug/kg	32.8	28.7	87	52-123	
Acenaphthylene	ug/kg	32.8	28.4	87	49-116	
Anthracene	ug/kg	32.8	30.2	92	41-133	
Benzo(a)anthracene	ug/kg	32.8	28.3	86	56-130	
Benzo(a)pyrene	ug/kg	32.8	28.1	86	51-136	
Benzo(b)fluoranthene	ug/kg	32.8	28.4	87	37-149	
Benzo(g,h,i)perylene	ug/kg	32.8	28.8	88	39-127	
Benzo(k)fluoranthene	ug/kg	32.8	28.9	88	45-139	
Chrysene	ug/kg	32.8	29.2	89	59-127	
Dibenz(a,h)anthracene	ug/kg	32.8	30.2	92	37-139	
Fluoranthene	ug/kg	32.8	29.4	90	53-132	
Fluorene	ug/kg	32.8	29.0	88	45-127	
Indeno(1,2,3-cd)pyrene	ug/kg	32.8	29.4	90	35-145	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2743403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	32.8	27.8	85	45-123	
Phenanthrene	ug/kg	32.8	29.4	90	50-125	
Pyrene	ug/kg	32.8	30.2	92	52-132	
2-Fluorobiphenyl (S)	%			86	10-110	
Nitrobenzene-d5 (S)	%			78	10-128	
Terphenyl-d14 (S)	%			94	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2743404 2743405

Parameter	Units	92454032034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	1170	46.6	46.4	128	174	-2230	-2140	50-150	31	30	M1,R1
2-Methylnaphthalene	ug/kg	1450	46.6	46.4	142	202	-2810	-2690	50-150	35	30	M1,R1
Acenaphthene	ug/kg	1150	46.6	46.4	661	882	-1040	-568	50-150	29	30	M1
Acenaphthylene	ug/kg	4380	46.6	46.4	487	817	-8350	-7660	50-150	51	30	M1,R1
Anthracene	ug/kg	21100	46.6	46.4	2060	3140	-40900	-38700	50-150	42	30	M1,R1
Benzo(a)anthracene	ug/kg	27900	46.6	46.4	4120	7210	-51000	-44500	50-150	55	30	M1,R1
Benzo(a)pyrene	ug/kg	21500	46.6	46.4	853	6340	-44300	-32700	50-150	153	30	M1,R1
Benzo(b)fluoranthene	ug/kg	27200	46.6	46.4	4270	7710	-49100	-41900	50-150	58	30	M1,R1
Benzo(g,h,i)perylene	ug/kg	12300	46.6	46.4	1390	2640	-23500	-20900	50-150	62	30	M1,R1
Benzo(k)fluoranthene	ug/kg	12100	46.6	46.4	1790	2770	-22200	-20200	50-150	43	30	M1,R1
Chrysene	ug/kg	24000	46.6	46.4	3870	6990	-43200	-36600	50-150	58	30	M1,R1
Dibenz(a,h)anthracene	ug/kg	2170	46.6	46.4	549	1050	-3480	-2420	50-150	62	30	M1,R1
Fluoranthene	ug/kg	63300	46.6	46.4	8240	15000	-118000	-104000	50-150	58	30	M1,R1
Fluorene	ug/kg	8840	46.6	46.4	861	1050	-17100	-16800	50-150	20	30	M1
Indeno(1,2,3-cd)pyrene	ug/kg	11000	46.6	46.4	1250	2490	-21000	-18400	50-150	67	30	M1,R1
Naphthalene	ug/kg	2630	46.6	46.4	175	294	-5260	-5020	50-150	50	30	M1,R1
Phenanthrene	ug/kg	77700	46.6	46.4	6320	9390	-153000	-147000	50-150	39	30	M1,R1
Pyrene	ug/kg	50300	46.6	46.4	7020	13200	-93000	-79900	50-150	61	30	M1,R1
2-Fluorobiphenyl (S)	%						64	68	10-110			
Nitrobenzene-d5 (S)	%						69	74	10-128			D3
Terphenyl-d14 (S)	%						62	66	39-119			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511168 | Analysis Method: EPA 8270D
QC Batch Method: EPA 3546 | Analysis Description: 8270 Solid MSSV Microwave SC
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010, 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021

METHOD BLANK: 2742169 | Matrix: Solid
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010, 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	325	63.0	11/23/19 15:21	
1,2-Dichlorobenzene	ug/kg	ND	325	86.6	11/23/19 15:21	
1,3-Dichlorobenzene	ug/kg	ND	325	73.8	11/23/19 15:21	
1,4-Dichlorobenzene	ug/kg	ND	325	91.5	11/23/19 15:21	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	325	86.6	11/23/19 15:21	
2,4,5-Trichlorophenol	ug/kg	ND	325	100	11/23/19 15:21	
2,4,6-Trichlorophenol	ug/kg	ND	325	71.8	11/23/19 15:21	
2,4-Dichlorophenol	ug/kg	ND	325	70.8	11/23/19 15:21	
2,4-Dimethylphenol	ug/kg	ND	325	128	11/23/19 15:21	
2,4-Dinitrophenol	ug/kg	ND	1620	53.1	11/23/19 15:21	
2,4-Dinitrotoluene	ug/kg	ND	325	61.0	11/23/19 15:21	
2,6-Dinitrotoluene	ug/kg	ND	325	67.9	11/23/19 15:21	
2-Chloronaphthalene	ug/kg	ND	325	63.9	11/23/19 15:21	
2-Chlorophenol	ug/kg	ND	325	88.5	11/23/19 15:21	
2-Methylphenol(o-Cresol)	ug/kg	ND	325	98.4	11/23/19 15:21	
2-Nitroaniline	ug/kg	ND	1620	100	11/23/19 15:21	
2-Nitrophenol	ug/kg	ND	325	78.7	11/23/19 15:21	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	325	128	11/23/19 15:21	
3,3'-Dichlorobenzidine	ug/kg	ND	1620	70.8	11/23/19 15:21	
3-Nitroaniline	ug/kg	ND	1620	88.5	11/23/19 15:21	
4,6-Dinitro-2-methylphenol	ug/kg	ND	649	64.9	11/23/19 15:21	
4-Bromophenylphenyl ether	ug/kg	ND	325	59.0	11/23/19 15:21	
4-Chloro-3-methylphenol	ug/kg	ND	649	66.9	11/23/19 15:21	
4-Chloroaniline	ug/kg	ND	1620	90.5	11/23/19 15:21	
4-Chlorophenylphenyl ether	ug/kg	ND	325	66.9	11/23/19 15:21	
4-Nitroaniline	ug/kg	ND	649	91.5	11/23/19 15:21	
4-Nitrophenol	ug/kg	ND	1620	58.0	11/23/19 15:21	
Aniline	ug/kg	ND	325	87.5	11/23/19 15:21	
Benzoic Acid	ug/kg	ND	1620	59.0	11/23/19 15:21	
Benzyl alcohol	ug/kg	ND	649	64.9	11/23/19 15:21	
bis(2-Chloroethoxy)methane	ug/kg	ND	325	75.7	11/23/19 15:21	
bis(2-Chloroethyl) ether	ug/kg	ND	325	82.6	11/23/19 15:21	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	325	88.5	11/23/19 15:21	
Butylbenzylphthalate	ug/kg	ND	325	68.9	11/23/19 15:21	
Di-n-butylphthalate	ug/kg	ND	325	53.1	11/23/19 15:21	
Di-n-octylphthalate	ug/kg	ND	325	67.9	11/23/19 15:21	
Dibenzofuran	ug/kg	ND	325	53.1	11/23/19 15:21	
Diethylphthalate	ug/kg	ND	325	50.2	11/23/19 15:21	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2742169 Matrix: Solid

Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010, 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032019, 92454032020, 92454032021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dimethylphthalate	ug/kg	ND	325	65.9	11/23/19 15:21	
Hexachloro-1,3-butadiene	ug/kg	ND	325	56.1	11/23/19 15:21	
Hexachlorobenzene	ug/kg	ND	325	41.3	11/23/19 15:21	
Hexachlorocyclopentadiene	ug/kg	ND	325	60.0	11/23/19 15:21	
Hexachloroethane	ug/kg	ND	325	85.6	11/23/19 15:21	
Isophorone	ug/kg	ND	325	72.8	11/23/19 15:21	
N-Nitroso-di-n-propylamine	ug/kg	ND	325	62.0	11/23/19 15:21	
N-Nitrosodimethylamine	ug/kg	ND	325	105	11/23/19 15:21	
N-Nitrosodiphenylamine	ug/kg	ND	325	96.4	11/23/19 15:21	
Nitrobenzene	ug/kg	ND	325	88.5	11/23/19 15:21	
Pentachlorophenol	ug/kg	ND	1620	59.0	11/23/19 15:21	
Phenol	ug/kg	ND	325	97.4	11/23/19 15:21	
2,4,6-Tribromophenol (S)	%	100	27-110		11/23/19 15:21	
2-Fluorobiphenyl (S)	%	86	30-110		11/23/19 15:21	
2-Fluorophenol (S)	%	74	13-110		11/23/19 15:21	
Nitrobenzene-d5 (S)	%	76	23-110		11/23/19 15:21	
Phenol-d6 (S)	%	76	22-110		11/23/19 15:21	
Terphenyl-d14 (S)	%	82	28-110		11/23/19 15:21	

LABORATORY CONTROL SAMPLE: 2742170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1660	1470	88	70-130	
1,2-Dichlorobenzene	ug/kg	1660	1400	84	70-130	
1,3-Dichlorobenzene	ug/kg	1660	1430	86	70-130	
1,4-Dichlorobenzene	ug/kg	1660	1400	85	70-130	
2,2'-Oxybis(1-chloropropane)	ug/kg	1660	1300	79	70-130	
2,4,5-Trichlorophenol	ug/kg	1660	1470	88	70-130	
2,4,6-Trichlorophenol	ug/kg	1660	1520	92	70-130	
2,4-Dichlorophenol	ug/kg	1660	1470	89	70-130	
2,4-Dimethylphenol	ug/kg	1660	1470	88	70-130	
2,4-Dinitrophenol	ug/kg	8310	6590	79	28-103	
2,4-Dinitrotoluene	ug/kg	1660	1480	89	70-130	
2,6-Dinitrotoluene	ug/kg	1660	1580	95	70-130	
2-Chloronaphthalene	ug/kg	1660	1480	89	70-130	
2-Chlorophenol	ug/kg	1660	1440	87	70-130	
2-Methylphenol(o-Cresol)	ug/kg	1660	1390	84	70-130	
2-Nitroaniline	ug/kg	3320	2880	87	70-130	
2-Nitrophenol	ug/kg	1660	1520	91	70-130	
3&4-Methylphenol(m&p Cresol)	ug/kg	1660	1370	83	70-130	
3,3'-Dichlorobenzidine	ug/kg	3320	2720	82	50-150	
3-Nitroaniline	ug/kg	3320	2650	80	35-110	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2742170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,6-Dinitro-2-methylphenol	ug/kg	3320	3370	101	70-130	
4-Bromophenylphenyl ether	ug/kg	1660	1590	96	70-130	
4-Chloro-3-methylphenol	ug/kg	3320	2820	85	70-130	
4-Chloroaniline	ug/kg	3320	2860	86	70-130	
4-Chlorophenylphenyl ether	ug/kg	1660	1470	88	70-130	
4-Nitroaniline	ug/kg	3320	2760	83	70-130	
4-Nitrophenol	ug/kg	8310	6790	82	70-130	
Aniline	ug/kg	1660	1290	78	29-110	
Benzoic Acid	ug/kg	8310	6040	73	16-110	
Benzyl alcohol	ug/kg	3320	2840	85	70-130	
bis(2-Chloroethoxy)methane	ug/kg	1660	1430	86	70-130	
bis(2-Chloroethyl) ether	ug/kg	1660	1470	89	70-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1660	1430	86	70-130	
Butylbenzylphthalate	ug/kg	1660	1410	85	70-130	
Di-n-butylphthalate	ug/kg	1660	1470	88	70-130	
Di-n-octylphthalate	ug/kg	1660	1550	93	70-130	
Dibenzofuran	ug/kg	1660	1490	90	70-130	
Diethylphthalate	ug/kg	1660	1390	84	70-130	
Dimethylphthalate	ug/kg	1660	1410	85	70-130	
Hexachloro-1,3-butadiene	ug/kg	1660	1490	90	70-130	
Hexachlorobenzene	ug/kg	1660	1570	94	70-130	
Hexachlorocyclopentadiene	ug/kg	1660	1550	93	70-130	
Hexachloroethane	ug/kg	1660	1480	89	70-130	
Isophorone	ug/kg	1660	1360	82	70-130	
N-Nitroso-di-n-propylamine	ug/kg	1660	1360	82	70-130	
N-Nitrosodimethylamine	ug/kg	1660	1370	82	70-130	
N-Nitrosodiphenylamine	ug/kg	1660	1490	90	70-130	
Nitrobenzene	ug/kg	1660	1410	85	70-130	
Pentachlorophenol	ug/kg	3320	3030	91	70-130	
Phenol	ug/kg	1660	1520	92	70-130	
2,4,6-Tribromophenol (S)	%			109	27-110	
2-Fluorobiphenyl (S)	%			87	30-110	
2-Fluorophenol (S)	%			86	13-110	
Nitrobenzene-d5 (S)	%			83	23-110	
Phenol-d6 (S)	%			86	22-110	
Terphenyl-d14 (S)	%			77	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742171 2742172

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2010	2030	1600	1580	79	78	70-130	2	30	
1,2-Dichlorobenzene	ug/kg	ND	2010	2030	1600	1560	79	77	70-130	3	30	
1,3-Dichlorobenzene	ug/kg	ND	2010	2030	1610	1540	80	76	70-130	4	30	
1,4-Dichlorobenzene	ug/kg	ND	2010	2030	1580	1520	78	75	70-130	4	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742171 2742172

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	2010	2030	1470	1410	73	69	70-130	4	30	
2,4,5-Trichlorophenol	ug/kg	ND	2010	2030	1660	1660	82	82	70-130	0	30	
2,4,6-Trichlorophenol	ug/kg	ND	2010	2030	1800	1790	89	88	70-130	1	30	
2,4-Dichlorophenol	ug/kg	ND	2010	2030	1650	1580	82	78	70-130	4	30	
2,4-Dimethylphenol	ug/kg	ND	2010	2030	1630	1580	81	78	70-130	3	30	
2,4-Dinitrophenol	ug/kg	ND	10100	10200	5460	6130	54	60	70-130	12	30	
2,4-Dinitrotoluene	ug/kg	ND	2010	2030	1730	1750	85	86	70-130	2	30	
2,6-Dinitrotoluene	ug/kg	ND	2010	2030	1870	1870	93	92	70-130	0	30	
2-Chloronaphthalene	ug/kg	ND	2010	2030	1600	1660	79	82	70-130	3	30	
2-Chlorophenol	ug/kg	ND	2010	2030	1640	1550	81	76	70-130	5	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	2010	2030	1520	1480	75	73	70-130	3	30	
2-Nitroaniline	ug/kg	ND	4040	4070	3410	3400	85	84	70-130	1	30	
2-Nitrophenol	ug/kg	ND	2010	2030	1660	1650	82	81	70-130	1	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2010	2030	1520	1480	75	73	70-130	2	30	
3,3'-Dichlorobenzidine	ug/kg	ND	4040	4070	2870	2930	71	72	70-130	2	30	
3-Nitroaniline	ug/kg	ND	4040	4070	3120	3160	77	78	70-130	1	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4040	4070	3510	3590	87	88	70-130	2	30	
4-Bromophenylphenyl ether	ug/kg	ND	2010	2030	1500	1490	74	73	70-130	1	30	
4-Chloro-3-methylphenol	ug/kg	ND	4040	4070	3240	3200	80	79	70-130	1	30	
4-Chloroaniline	ug/kg	ND	4040	4070	3120	3000	77	74	70-130	4	30	
4-Chlorophenylphenyl ether	ug/kg	ND	2010	2030	1480	1500	73	74	70-130	1	30	
4-Nitroaniline	ug/kg	ND	4040	4070	3180	3140	79	77	70-130	1	30	
4-Nitrophenol	ug/kg	ND	10100	10200	6850	7060	68	69	70-130	3	30	
Aniline	ug/kg	ND	2010	2030	1320	1260	65	62	70-130	5	30	
Benzoic Acid	ug/kg	ND	10100	10200	2110	2480	21	24	70-130	16	30	1g,4g
Benzyl alcohol	ug/kg	ND	4040	4070	3110	3050	77	75	70-130	2	30	
bis(2-Chloroethoxy)methane	ug/kg	ND	2010	2030	1570	1560	78	77	70-130	0	30	
bis(2-Chloroethyl) ether	ug/kg	ND	2010	2030	1710	1610	84	79	70-130	6	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2010	2030	1350	1320	67	65	70-130	3	30	
Butylbenzylphthalate	ug/kg	ND	2010	2030	1340	1350	67	67	70-130	1	30	
Di-n-butylphthalate	ug/kg	ND	2010	2030	1380	1350	68	66	70-130	2	30	
Di-n-octylphthalate	ug/kg	ND	2010	2030	1440	1420	71	70	70-130	1	30	
Dibenzofuran	ug/kg	ND	2010	2030	1590	1640	79	81	70-130	3	30	
Diethylphthalate	ug/kg	ND	2010	2030	1610	1620	80	80	70-130	1	30	
Dimethylphthalate	ug/kg	ND	2010	2030	1640	1670	81	82	70-130	2	30	
Hexachloro-1,3-butadiene	ug/kg	ND	2010	2030	1400	1350	69	66	70-130	4	30	
Hexachlorobenzene	ug/kg	ND	2010	2030	1440	1440	71	71	70-130	0	30	
Hexachlorocyclopentadiene	ug/kg	ND	2010	2030	1470	1400	73	69	70-130	5	30	
Hexachloroethane	ug/kg	ND	2010	2030	1580	1520	78	75	70-130	4	30	
Isophorone	ug/kg	ND	2010	2030	1530	1530	76	75	70-130	0	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	2010	2030	1540	1480	76	73	70-130	4	30	
N-Nitrosodimethylamine	ug/kg	ND	2010	2030	1510	1390	75	68	70-130	9	30	
N-Nitrosodiphenylamine	ug/kg	ND	2010	2030	1650	1620	82	80	70-130	2	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742171 2742172

Parameter	Units	92454032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene	ug/kg	ND	2010	2030	1580	1530	78	75	70-130	3	30	
Pentachlorophenol	ug/kg	ND	4040	4070	3180	3160	79	78	70-130	1	30	
Phenol	ug/kg	ND	2010	2030	1620	1510	80	74	70-130	7	30	
2,4,6-Tribromophenol (S)	%						94	93	27-110			
2-Fluorobiphenyl (S)	%						72	72	30-110			
2-Fluorophenol (S)	%						76	71	13-110			
Nitrobenzene-d5 (S)	%						74	71	23-110			
Phenol-d6 (S)	%						73	71	22-110			
Terphenyl-d14 (S)	%						57	58	28-110			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 511171 | Analysis Method: EPA 8270D
QC Batch Method: EPA 3546 | Analysis Description: 8270 Solid MSSV Microwave SC
Associated Lab Samples: 92454032018, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032031, 92454032032, 92454032033, 92454032034, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

METHOD BLANK: 2742179 | Matrix: Solid
Associated Lab Samples: 92454032018, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032031, 92454032032, 92454032033, 92454032034, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	64.0	11/23/19 22:10	
1,2-Dichlorobenzene	ug/kg	ND	330	88.0	11/23/19 22:10	
1,3-Dichlorobenzene	ug/kg	ND	330	75.0	11/23/19 22:10	
1,4-Dichlorobenzene	ug/kg	ND	330	93.0	11/23/19 22:10	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	88.0	11/23/19 22:10	
2,4,5-Trichlorophenol	ug/kg	ND	330	102	11/23/19 22:10	
2,4,6-Trichlorophenol	ug/kg	ND	330	73.0	11/23/19 22:10	
2,4-Dichlorophenol	ug/kg	ND	330	72.0	11/23/19 22:10	
2,4-Dimethylphenol	ug/kg	ND	330	130	11/23/19 22:10	
2,4-Dinitrophenol	ug/kg	ND	1650	54.0	11/23/19 22:10	
2,4-Dinitrotoluene	ug/kg	ND	330	62.0	11/23/19 22:10	
2,6-Dinitrotoluene	ug/kg	ND	330	69.0	11/23/19 22:10	
2-Chloronaphthalene	ug/kg	ND	330	65.0	11/23/19 22:10	
2-Chlorophenol	ug/kg	ND	330	90.0	11/23/19 22:10	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	100	11/23/19 22:10	
2-Nitroaniline	ug/kg	ND	1650	102	11/23/19 22:10	
2-Nitrophenol	ug/kg	ND	330	80.0	11/23/19 22:10	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	130	11/23/19 22:10	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	72.0	11/23/19 22:10	
3-Nitroaniline	ug/kg	ND	1650	90.0	11/23/19 22:10	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	66.0	11/23/19 22:10	
4-Bromophenylphenyl ether	ug/kg	ND	330	60.0	11/23/19 22:10	
4-Chloro-3-methylphenol	ug/kg	ND	660	68.0	11/23/19 22:10	
4-Chloroaniline	ug/kg	ND	1650	92.0	11/23/19 22:10	
4-Chlorophenylphenyl ether	ug/kg	ND	330	68.0	11/23/19 22:10	
4-Nitroaniline	ug/kg	ND	660	93.0	11/23/19 22:10	
4-Nitrophenol	ug/kg	ND	1650	59.0	11/23/19 22:10	
Aniline	ug/kg	ND	330	89.0	11/23/19 22:10	
Benzoic Acid	ug/kg	ND	1650	60.0	11/23/19 22:10	
Benzyl alcohol	ug/kg	ND	660	66.0	11/23/19 22:10	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	77.0	11/23/19 22:10	
bis(2-Chloroethyl) ether	ug/kg	ND	330	84.0	11/23/19 22:10	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	90.0	11/23/19 22:10	
Butylbenzylphthalate	ug/kg	ND	330	70.0	11/23/19 22:10	
Di-n-butylphthalate	ug/kg	ND	330	54.0	11/23/19 22:10	
Di-n-octylphthalate	ug/kg	ND	330	69.0	11/23/19 22:10	
Dibenzofuran	ug/kg	ND	330	54.0	11/23/19 22:10	
Diethylphthalate	ug/kg	ND	330	51.0	11/23/19 22:10	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2742179 Matrix: Solid

Associated Lab Samples: 92454032018, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030, 92454032031, 92454032032, 92454032033, 92454032034, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dimethylphthalate	ug/kg	ND	330	67.0	11/23/19 22:10	
Hexachloro-1,3-butadiene	ug/kg	ND	330	57.0	11/23/19 22:10	
Hexachlorobenzene	ug/kg	ND	330	42.0	11/23/19 22:10	
Hexachlorocyclopentadiene	ug/kg	ND	330	61.0	11/23/19 22:10	
Hexachloroethane	ug/kg	ND	330	87.0	11/23/19 22:10	
Isophorone	ug/kg	ND	330	74.0	11/23/19 22:10	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	63.0	11/23/19 22:10	
N-Nitrosodimethylamine	ug/kg	ND	330	107	11/23/19 22:10	
N-Nitrosodiphenylamine	ug/kg	ND	330	98.0	11/23/19 22:10	
Nitrobenzene	ug/kg	ND	330	90.0	11/23/19 22:10	
Pentachlorophenol	ug/kg	ND	1650	60.0	11/23/19 22:10	
Phenol	ug/kg	ND	330	99.0	11/23/19 22:10	
2,4,6-Tribromophenol (S)	%	85	27-110		11/23/19 22:10	
2-Fluorobiphenyl (S)	%	75	30-110		11/23/19 22:10	
2-Fluorophenol (S)	%	69	13-110		11/23/19 22:10	
Nitrobenzene-d5 (S)	%	68	23-110		11/23/19 22:10	
Phenol-d6 (S)	%	69	22-110		11/23/19 22:10	
Terphenyl-d14 (S)	%	71	28-110		11/23/19 22:10	

LABORATORY CONTROL SAMPLE: 2742180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1650	1380	83	70-130	
1,2-Dichlorobenzene	ug/kg	1650	1310	79	70-130	
1,3-Dichlorobenzene	ug/kg	1650	1290	78	70-130	
1,4-Dichlorobenzene	ug/kg	1650	1280	78	70-130	
2,2'-Oxybis(1-chloropropane)	ug/kg	1650	1190	72	70-130	
2,4,5-Trichlorophenol	ug/kg	1650	1310	79	70-130	
2,4,6-Trichlorophenol	ug/kg	1650	1380	84	70-130	
2,4-Dichlorophenol	ug/kg	1650	1390	84	70-130	
2,4-Dimethylphenol	ug/kg	1650	1370	83	70-130	
2,4-Dinitrophenol	ug/kg	8250	6080	74	28-103	
2,4-Dinitrotoluene	ug/kg	1650	1330	80	70-130	
2,6-Dinitrotoluene	ug/kg	1650	1370	83	70-130	
2-Chloronaphthalene	ug/kg	1650	1400	85	70-130	
2-Chlorophenol	ug/kg	1650	1310	79	70-130	
2-Methylphenol(o-Cresol)	ug/kg	1650	1270	77	70-130	
2-Nitroaniline	ug/kg	3300	2750	83	70-130	
2-Nitrophenol	ug/kg	1650	1360	83	70-130	
3&4-Methylphenol(m&p Cresol)	ug/kg	1650	1260	77	70-130	
3,3'-Dichlorobenzidine	ug/kg	3300	2520	76	50-150	
3-Nitroaniline	ug/kg	3300	2500	76	35-110	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2742180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,6-Dinitro-2-methylphenol	ug/kg	3300	2990	91	70-130	
4-Bromophenylphenyl ether	ug/kg	1650	1370	83	70-130	
4-Chloro-3-methylphenol	ug/kg	3300	2690	81	70-130	
4-Chloroaniline	ug/kg	3300	2680	81	70-130	
4-Chlorophenylphenyl ether	ug/kg	1650	1360	82	70-130	
4-Nitroaniline	ug/kg	3300	2590	79	70-130	
4-Nitrophenol	ug/kg	8250	6320	77	70-130	
Aniline	ug/kg	1650	1190	72	29-110	
Benzoic Acid	ug/kg	8250	5250	64	16-110	
Benzyl alcohol	ug/kg	3300	2540	77	70-130	
bis(2-Chloroethoxy)methane	ug/kg	1650	1330	81	70-130	
bis(2-Chloroethyl) ether	ug/kg	1650	1370	83	70-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1650	1300	79	70-130	
Butylbenzylphthalate	ug/kg	1650	1310	80	70-130	
Di-n-butylphthalate	ug/kg	1650	1270	77	70-130	
Di-n-octylphthalate	ug/kg	1650	1370	83	70-130	
Dibenzofuran	ug/kg	1650	1360	82	70-130	
Diethylphthalate	ug/kg	1650	1270	77	70-130	
Dimethylphthalate	ug/kg	1650	1300	79	70-130	
Hexachloro-1,3-butadiene	ug/kg	1650	1360	82	70-130	
Hexachlorobenzene	ug/kg	1650	1420	86	70-130	
Hexachlorocyclopentadiene	ug/kg	1650	1370	83	70-130	
Hexachloroethane	ug/kg	1650	1310	80	70-130	
Isophorone	ug/kg	1650	1260	77	70-130	
N-Nitroso-di-n-propylamine	ug/kg	1650	1230	74	70-130	
N-Nitrosodimethylamine	ug/kg	1650	1330	81	70-130	
N-Nitrosodiphenylamine	ug/kg	1650	1300	79	70-130	
Nitrobenzene	ug/kg	1650	1300	79	70-130	
Pentachlorophenol	ug/kg	3300	2660	81	70-130	
Phenol	ug/kg	1650	1400	85	70-130	
2,4,6-Tribromophenol (S)	%			93	27-110	
2-Fluorobiphenyl (S)	%			83	30-110	
2-Fluorophenol (S)	%			81	13-110	
Nitrobenzene-d5 (S)	%			78	23-110	
Phenol-d6 (S)	%			78	22-110	
Terphenyl-d14 (S)	%			72	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742181 2742182

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1950	1930	1350	1530	69	79	70-130	12	30	
1,2-Dichlorobenzene	ug/kg	ND	1950	1930	1340	1500	68	78	70-130	12	30	
1,3-Dichlorobenzene	ug/kg	ND	1950	1930	1310	1480	67	76	70-130	12	30	
1,4-Dichlorobenzene	ug/kg	ND	1950	1930	1320	1480	68	77	70-130	11	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742181 2742182

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	1950	1930	1450	1650	74	85	70-130	13	30	
2,4,5-Trichlorophenol	ug/kg	ND	1950	1930	1180	1350	61	70	70-130	13	30	
2,4,6-Trichlorophenol	ug/kg	ND	1950	1930	1390	1540	71	80	70-130	11	30	
2,4-Dichlorophenol	ug/kg	ND	1950	1930	1310	1500	67	78	70-130	13	30	
2,4-Dimethylphenol	ug/kg	ND	1950	1930	1370	1570	70	81	70-130	14	30	
2,4-Dinitrophenol	ug/kg	ND	9780	9670	3290	4570	34	47	70-130	32	30	
2,4-Dinitrotoluene	ug/kg	ND	1950	1930	1480	1720	76	89	70-130	15	30	
2,6-Dinitrotoluene	ug/kg	ND	1950	1930	1510	1780	77	92	70-130	17	30	
2-Chloronaphthalene	ug/kg	ND	1950	1930	1450	1610	74	83	70-130	10	30	
2-Chlorophenol	ug/kg	ND	1950	1930	1320	1510	68	78	70-130	13	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	1950	1930	1290	1490	66	77	70-130	14	30	
2-Nitroaniline	ug/kg	ND	3910	3870	3320	3720	85	96	70-130	11	30	
2-Nitrophenol	ug/kg	ND	1950	1930	1500	1730	77	89	70-130	14	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1950	1930	1310	1500	67	78	70-130	14	30	
3,3'-Dichlorobenzidine	ug/kg	ND	3910	3870	2400	2750	61	71	70-130	14	30	
3-Nitroaniline	ug/kg	ND	3910	3870	2460	2830	63	73	70-130	14	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3910	3870	2460	2970	63	77	70-130	19	30	
4-Bromophenylphenyl ether	ug/kg	ND	1950	1930	1310	1510	67	78	70-130	14	30	
4-Chloro-3-methylphenol	ug/kg	ND	3910	3870	2780	3230	71	84	70-130	15	30	
4-Chloroaniline	ug/kg	ND	3910	3870	2450	2870	63	74	70-130	16	30	
4-Chlorophenylphenyl ether	ug/kg	ND	1950	1930	1390	1590	71	82	70-130	14	30	
4-Nitroaniline	ug/kg	ND	3910	3870	2640	3060	67	79	70-130	15	30	
4-Nitrophenol	ug/kg	ND	9780	9670	5660	6560	58	68	70-130	15	30	
Aniline	ug/kg	ND	1950	1930	1010	1180	52	61	70-130	16	30	
Benzoic Acid	ug/kg	ND	9780	9670	1270J	1990	13	21	70-130		30	
Benzyl alcohol	ug/kg	ND	3910	3870	2750	3110	70	80	70-130	12	30	
bis(2-Chloroethoxy)methane	ug/kg	ND	1950	1930	1320	1530	68	79	70-130	14	30	
bis(2-Chloroethyl) ether	ug/kg	ND	1950	1930	1380	1550	71	80	70-130	12	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1950	1930	1370	1740	70	90	70-130	24	30	
Butylbenzylphthalate	ug/kg	ND	1950	1930	1340	1750	69	90	70-130	27	30	
Di-n-butylphthalate	ug/kg	ND	1950	1930	1460	1640	75	85	70-130	12	30	
Di-n-octylphthalate	ug/kg	ND	1950	1930	1430	1690	73	87	70-130	17	30	
Dibenzofuran	ug/kg	115J	1950	1930	1530	1680	72	81	70-130	10	30	
Diethylphthalate	ug/kg	ND	1950	1930	1370	1600	70	83	70-130	16	30	
Dimethylphthalate	ug/kg	ND	1950	1930	1360	1570	70	81	70-130	14	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1950	1930	1250	1430	64	74	70-130	13	30	
Hexachlorobenzene	ug/kg	ND	1950	1930	1290	1480	66	77	70-130	14	30	
Hexachlorocyclopentadiene	ug/kg	ND	1950	1930	721	882	37	46	70-130	20	30	v3
Hexachloroethane	ug/kg	ND	1950	1930	1400	1580	72	82	70-130	12	30	
Isophorone	ug/kg	ND	1950	1930	1380	1590	71	82	70-130	14	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	1950	1930	1430	1640	73	85	70-130	14	30	
N-Nitrosodimethylamine	ug/kg	ND	1950	1930	1310	1440	67	75	70-130	9	30	
N-Nitrosodiphenylamine	ug/kg	ND	1950	1930	1480	1650	76	85	70-130	11	30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742181 2742182

Parameter	Units	92454032018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene	ug/kg	ND	1950	1930	1470	1680	75	87	70-130	13	30	
Pentachlorophenol	ug/kg	ND	3910	3870	1670J	2080	43	54	70-130		30	
Phenol	ug/kg	ND	1950	1930	1300	1460	67	76	70-130	12	30	1g,4g
2,4,6-Tribromophenol (S)	%						63	76	27-110			
2-Fluorobiphenyl (S)	%						70	77	30-110			
2-Fluorophenol (S)	%						62	72	13-110			
Nitrobenzene-d5 (S)	%						68	80	23-110			
Phenol-d6 (S)	%						61	72	22-110			
Terphenyl-d14 (S)	%						52	72	28-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742183 2742184

Parameter	Units	92454032034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
1,2-Dichlorobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
1,3-Dichlorobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
1,4-Dichlorobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,4,5-Trichlorophenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,4,6-Trichlorophenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,4-Dichlorophenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,4-Dimethylphenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,4-Dinitrophenol	ug/kg	ND	11400	11300	ND	ND	0	0	70-130		30	
2,4-Dinitrotoluene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2,6-Dinitrotoluene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2-Chloronaphthalene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2-Chlorophenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2-Methylphenol(o-Cresol)	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
2-Nitroaniline	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	v1
2-Nitrophenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
3,3'-Dichlorobenzidine	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
3-Nitroaniline	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
4-Bromophenylphenyl ether	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
4-Chloro-3-methylphenol	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
4-Chloroaniline	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
4-Chlorophenylphenyl ether	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
4-Nitroaniline	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
4-Nitrophenol	ug/kg	ND	11400	11300	ND	ND	0	0	70-130		30	
Aniline	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Benzoic Acid	ug/kg	ND	11400	11300	ND	ND	0	0	70-130		30	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742183 2742184

Parameter	Units	92454032034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzyl alcohol	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
bis(2-Chloroethoxy)methane	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
bis(2-Chloroethyl) ether	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2290	2270	ND	ND	0	5	70-130		30	
Butylbenzylphthalate	ug/kg	ND	2290	2270	ND	ND	-10	-10	70-130		30	
Di-n-butylphthalate	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Di-n-octylphthalate	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Dibenzofuran	ug/kg	ND	2290	2270	ND	ND	11	13	70-130		30	
Diethylphthalate	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Dimethylphthalate	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Hexachloro-1,3-butadiene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Hexachlorobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Hexachlorocyclopentadiene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	v3
Hexachloroethane	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Isophorone	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
N-Nitroso-di-n-propylamine	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
N-Nitrosodimethylamine	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
N-Nitrosodiphenylamine	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Nitrobenzene	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	
Pentachlorophenol	ug/kg	ND	4580	4530	ND	ND	0	0	70-130		30	
Phenol	ug/kg	ND	2290	2270	ND	ND	0	0	70-130		30	2g
2,4,6-Tribromophenol (S)	%						32	23	27-110			S0
2-Fluorobiphenyl (S)	%						72	67	30-110			
2-Fluorophenol (S)	%						58	48	13-110			
Nitrobenzene-d5 (S)	%						78	74	23-110			D3
Phenol-d6 (S)	%						69	63	22-110			
Terphenyl-d14 (S)	%						53	49	28-110			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 510120
Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C
Analysis Description: 8270 Water MSSV SC
Associated Lab Samples: 92454032040, 92454032041

METHOD BLANK: 2737326
Matrix: Water
Associated Lab Samples: 92454032040, 92454032041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	1.4	11/19/19 12:17	
1,2-Dichlorobenzene	ug/L	ND	10.0	1.5	11/19/19 12:17	
1,3-Dichlorobenzene	ug/L	ND	10.0	1.4	11/19/19 12:17	
1,4-Dichlorobenzene	ug/L	ND	10.0	1.4	11/19/19 12:17	
1-Methylnaphthalene	ug/L	ND	10.0	1.4	11/19/19 12:17	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	10.0	1.8	11/19/19 12:17	
2,4,5-Trichlorophenol	ug/L	ND	10.0	1.5	11/19/19 12:17	
2,4,6-Trichlorophenol	ug/L	ND	10.0	1.4	11/19/19 12:17	
2,4-Dichlorophenol	ug/L	ND	10.0	1.6	11/19/19 12:17	
2,4-Dimethylphenol	ug/L	ND	10.0	1.6	11/19/19 12:17	
2,4-Dinitrophenol	ug/L	ND	50.0	5.1	11/19/19 12:17	
2,4-Dinitrotoluene	ug/L	ND	10.0	1.5	11/19/19 12:17	
2,6-Dinitrotoluene	ug/L	ND	10.0	1.4	11/19/19 12:17	
2-Chloronaphthalene	ug/L	ND	10.0	1.6	11/19/19 12:17	
2-Chlorophenol	ug/L	ND	10.0	1.5	11/19/19 12:17	
2-Methylnaphthalene	ug/L	ND	10.0	1.4	11/19/19 12:17	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	1.6	11/19/19 12:17	
2-Nitroaniline	ug/L	ND	50.0	2.3	11/19/19 12:17	
2-Nitrophenol	ug/L	ND	10.0	1.6	11/19/19 12:17	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	1.4	11/19/19 12:17	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	3.9	11/19/19 12:17	
3-Nitroaniline	ug/L	ND	50.0	2.7	11/19/19 12:17	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	2.2	11/19/19 12:17	
4-Bromophenylphenyl ether	ug/L	ND	10.0	1.5	11/19/19 12:17	
4-Chloro-3-methylphenol	ug/L	ND	20.0	2.8	11/19/19 12:17	
4-Chloroaniline	ug/L	ND	50.0	2.8	11/19/19 12:17	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	1.6	11/19/19 12:17	
4-Nitroaniline	ug/L	ND	50.0	3.4	11/19/19 12:17	
4-Nitrophenol	ug/L	ND	50.0	4.3	11/19/19 12:17	
Acenaphthene	ug/L	ND	10.0	1.6	11/19/19 12:17	
Acenaphthylene	ug/L	ND	10.0	1.5	11/19/19 12:17	
Aniline	ug/L	ND	10.0	1.2	11/19/19 12:17	
Anthracene	ug/L	ND	10.0	1.7	11/19/19 12:17	
Benzo(a)anthracene	ug/L	ND	10.0	2.1	11/19/19 12:17	
Benzo(a)pyrene	ug/L	ND	10.0	2.2	11/19/19 12:17	
Benzo(b)fluoranthene	ug/L	ND	10.0	2.2	11/19/19 12:17	
Benzo(g,h,i)perylene	ug/L	ND	10.0	2.1	11/19/19 12:17	
Benzo(k)fluoranthene	ug/L	ND	10.0	2.0	11/19/19 12:17	
Benzoic Acid	ug/L	ND	50.0	5.0	11/19/19 12:17	
Benzyl alcohol	ug/L	ND	20.0	3.1	11/19/19 12:17	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	1.6	11/19/19 12:17	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

METHOD BLANK: 2737326 Matrix: Water
Associated Lab Samples: 92454032040, 92454032041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	ug/L	ND	10.0	1.7	11/19/19 12:17	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	2.3	11/19/19 12:17	
Butylbenzylphthalate	ug/L	ND	10.0	2.5	11/19/19 12:17	
Chrysene	ug/L	ND	10.0	2.1	11/19/19 12:17	
Di-n-butylphthalate	ug/L	ND	10.0	2.0	11/19/19 12:17	
Di-n-octylphthalate	ug/L	ND	10.0	1.5	11/19/19 12:17	
Dibenz(a,h)anthracene	ug/L	ND	10.0	2.0	11/19/19 12:17	
Dibenzofuran	ug/L	ND	10.0	1.7	11/19/19 12:17	
Diethylphthalate	ug/L	ND	10.0	1.6	11/19/19 12:17	
Dimethylphthalate	ug/L	ND	10.0	1.4	11/19/19 12:17	
Fluoranthene	ug/L	ND	10.0	2.2	11/19/19 12:17	
Fluorene	ug/L	ND	10.0	1.6	11/19/19 12:17	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	1.6	11/19/19 12:17	
Hexachlorobenzene	ug/L	ND	10.0	1.7	11/19/19 12:17	
Hexachlorocyclopentadiene	ug/L	ND	10.0	1.3	11/19/19 12:17	
Hexachloroethane	ug/L	ND	10.0	1.8	11/19/19 12:17	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	2.0	11/19/19 12:17	
Isophorone	ug/L	ND	10.0	1.5	11/19/19 12:17	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	1.7	11/19/19 12:17	
N-Nitrosodimethylamine	ug/L	ND	10.0	1.6	11/19/19 12:17	
N-Nitrosodiphenylamine	ug/L	ND	10.0	1.4	11/19/19 12:17	
Naphthalene	ug/L	ND	10.0	1.4	11/19/19 12:17	
Nitrobenzene	ug/L	ND	10.0	1.6	11/19/19 12:17	
Pentachlorophenol	ug/L	ND	50.0	3.5	11/19/19 12:17	
Phenanthrene	ug/L	ND	10.0	1.6	11/19/19 12:17	
Phenol	ug/L	ND	10.0	1.3	11/19/19 12:17	
Pyrene	ug/L	ND	10.0	2.2	11/19/19 12:17	
2,4,6-Tribromophenol (S)	%	54	27-110		11/19/19 12:17	
2-Fluorobiphenyl (S)	%	69	27-110		11/19/19 12:17	
2-Fluorophenol (S)	%	44	12-110		11/19/19 12:17	
Nitrobenzene-d5 (S)	%	72	21-110		11/19/19 12:17	
Phenol-d6 (S)	%	31	10-110		11/19/19 12:17	
Terphenyl-d14 (S)	%	79	31-107		11/19/19 12:17	

LABORATORY CONTROL SAMPLE: 2737327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	34.1	68	70-130	
1,2-Dichlorobenzene	ug/L	50	34.5	69	70-130	
1,3-Dichlorobenzene	ug/L	50	33.1	66	70-130	
1,4-Dichlorobenzene	ug/L	50	33.6	67	70-130	
1-Methylnaphthalene	ug/L	50	36.6	73	70-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	41.1	82	70-130	
2,4,5-Trichlorophenol	ug/L	50	36.1	72	70-130	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2737327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	50	39.3	79	70-130	
2,4-Dichlorophenol	ug/L	50	38.8	78	70-130	
2,4-Dimethylphenol	ug/L	50	39.4	79	70-130	
2,4-Dinitrophenol	ug/L	250	214	86	70-130	
2,4-Dinitrotoluene	ug/L	50	41.1	82	70-130	
2,6-Dinitrotoluene	ug/L	50	43.0	86	70-130	
2-Chloronaphthalene	ug/L	50	44.8	90	70-130	
2-Chlorophenol	ug/L	50	37.9	76	70-130	
2-Methylnaphthalene	ug/L	50	36.5	73	70-130	
2-Methylphenol(o-Cresol)	ug/L	50	34.8	70	70-130	
2-Nitroaniline	ug/L	100	90.6	91	70-130	
2-Nitrophenol	ug/L	50	42.2	84	70-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	73.6	147	70-130	
3,3'-Dichlorobenzidine	ug/L	100	69.9	70	70-130	
3-Nitroaniline	ug/L	100	81.3	81	70-130	
4,6-Dinitro-2-methylphenol	ug/L	100	88.0	88	70-130	
4-Bromophenylphenyl ether	ug/L	50	35.2	70	70-130	
4-Chloro-3-methylphenol	ug/L	100	81.1	81	70-130	
4-Chloroaniline	ug/L	100	81.8	82	70-130	
4-Chlorophenylphenyl ether	ug/L	50	38.3	77	70-130	
4-Nitroaniline	ug/L	100	79.0	79	70-130	
4-Nitrophenol	ug/L	250	112	45	70-130	
Acenaphthene	ug/L	50	40.4	81	70-130	
Acenaphthylene	ug/L	50	42.9	86	70-130	
Aniline	ug/L	50	35.8	72	70-130	
Anthracene	ug/L	50	40.4	81	70-130	
Benzo(a)anthracene	ug/L	50	39.9	80	70-130	
Benzo(a)pyrene	ug/L	50	40.6	81	70-130	
Benzo(b)fluoranthene	ug/L	50	41.9	84	70-130	
Benzo(g,h,i)perylene	ug/L	50	46.4	93	70-130	
Benzo(k)fluoranthene	ug/L	50	41.3	83	70-130	
Benzoic Acid	ug/L	250	109	44	70-130	
Benzyl alcohol	ug/L	100	73.1	73	70-130	
bis(2-Chloroethoxy)methane	ug/L	50	38.4	77	70-130	
bis(2-Chloroethyl) ether	ug/L	50	39.7	79	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.0	82	70-130	
Butylbenzylphthalate	ug/L	50	41.2	82	70-130	
Chrysene	ug/L	50	36.2	72	70-130	
Di-n-butylphthalate	ug/L	50	38.7	77	70-130	
Di-n-octylphthalate	ug/L	50	40.9	82	70-130	
Dibenz(a,h)anthracene	ug/L	50	47.2	94	70-130	
Dibenzofuran	ug/L	50	37.9	76	70-130	
Diethylphthalate	ug/L	50	38.0	76	70-130	
Dimethylphthalate	ug/L	50	37.6	75	70-130	
Fluoranthene	ug/L	50	38.4	77	70-130	
Fluorene	ug/L	50	41.4	83	70-130	
Hexachloro-1,3-butadiene	ug/L	50	29.9	60	70-130	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

LABORATORY CONTROL SAMPLE: 2737327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	35.2	70	70-130	
Hexachlorocyclopentadiene	ug/L	50	30.3	61	70-130	
Hexachloroethane	ug/L	50	33.1	66	70-130	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.5	91	70-130	
Isophorone	ug/L	50	39.3	79	70-130	
N-Nitroso-di-n-propylamine	ug/L	50	42.0	84	70-130	
N-Nitrosodimethylamine	ug/L	50	28.0	56	70-130	
N-Nitrosodiphenylamine	ug/L	50	37.8	76	70-130	
Naphthalene	ug/L	50	39.9	80	70-130	
Nitrobenzene	ug/L	50	41.6	83	70-130	
Pentachlorophenol	ug/L	100	72.0	72	70-130	
Phenanthrene	ug/L	50	38.7	77	70-130	
Phenol	ug/L	50	20.8	42	70-130	1g,4g
Pyrene	ug/L	50	40.3	81	70-130	
2,4,6-Tribromophenol (S)	%			77	27-110	
2-Fluorobiphenyl (S)	%			82	27-110	
2-Fluorophenol (S)	%			59	12-110	
Nitrobenzene-d5 (S)	%			85	21-110	
Phenol-d6 (S)	%			43	10-110	
Terphenyl-d14 (S)	%			76	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742375 2742376

Parameter	Units	92454833001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	68.7	49.0	69	49	70-130	33	30	
1,2-Dichlorobenzene	ug/L	ND	100	100	66.7	48.9	67	49	70-130	31	30	
1,3-Dichlorobenzene	ug/L	ND	100	100	63.7	46.3	64	46	70-130	32	30	
1,4-Dichlorobenzene	ug/L	ND	100	100	64.7	46.7	65	47	70-130	32	30	
1-Methylnaphthalene	ug/L	ND	100	100	73.0	56.2	73	56	70-130	26	30	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	100	100	79.1	57.7	79	58	70-130	31	30	
2,4,5-Trichlorophenol	ug/L	ND	100	100	55.9	40.6	56	41	70-130	32	30	
2,4,6-Trichlorophenol	ug/L	ND	100	100	55.5	38.0	55	38	70-130	38	30	
2,4-Dichlorophenol	ug/L	ND	100	100	64.1	39.3	64	39	70-130	48	30	
2,4-Dimethylphenol	ug/L	ND	100	100	75.2	55.9	75	56	70-130	30	3	
2,4-Dinitrophenol	ug/L	ND	500	500	195	160	39	32	70-130	19	30	
2,4-Dinitrotoluene	ug/L	ND	100	100	81.0	78.8	81	79	70-130	3	30	
2,6-Dinitrotoluene	ug/L	ND	100	100	85.4	81.5	85	81	70-130	5	30	
2-Chloronaphthalene	ug/L	ND	100	100	92.7	73.9	93	74	70-130	23	30	
2-Chlorophenol	ug/L	ND	100	100	62.3	34.6	62	35	70-130	57	30	
2-Methylnaphthalene	ug/L	ND	100	100	73.7	56.1	74	56	70-130	27	30	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	70.1	46.6	70	47	70-130	40	30	
2-Nitroaniline	ug/L	ND	200	200	178	169	89	85	70-130	5	30	
2-Nitrophenol	ug/L	ND	100	100	65.7	36.3	66	36	70-130	58	30	

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(704)875-9092

QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742375 2742376

Parameter	Units	92454833001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	100	146	103	146	103	70-130	34	30	
3,3'-Dichlorobenzidine	ug/L	ND	200	200	140	144	70	72	70-130	2	30	
3-Nitroaniline	ug/L	ND	200	200	162	157	81	79	70-130	3	30	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	96.4	77.2	48	39	70-130	22	30	
4-Bromophenylphenyl ether	ug/L	ND	100	100	71.3	67.8	71	68	70-130	5	30	
4-Chloro-3-methylphenol	ug/L	ND	200	200	156	133	78	67	70-130	16	30	
4-Chloroaniline	ug/L	ND	200	200	162	129	81	65	70-130	23	30	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	77.5	70.5	77	71	70-130	9	30	
4-Nitroaniline	ug/L	ND	200	200	157	157	78	79	70-130	0	30	
4-Nitrophenol	ug/L	ND	500	500	171	125	34	25	70-130	30	30	
Acenaphthene	ug/L	ND	100	100	82.2	71.2	82	71	70-130	14	30	
Acenaphthylene	ug/L	ND	100	100	87.5	74.9	88	75	70-130	15	30	
Aniline	ug/L	ND	100	100	71.2	52.3	71	52	70-130	31	30	
Anthracene	ug/L	ND	100	100	80.6	78.5	81	79	70-130	3	30	
Benzo(a)anthracene	ug/L	ND	100	100	78.3	77.5	78	78	70-130	1	30	
Benzo(a)pyrene	ug/L	ND	100	100	80.7	77.8	81	78	70-130	4	30	
Benzo(b)fluoranthene	ug/L	ND	100	100	83.8	78.7	84	79	70-130	6	30	
Benzo(g,h,i)perylene	ug/L	ND	100	100	89.9	88.0	90	88	70-130	2	30	
Benzo(k)fluoranthene	ug/L	ND	100	100	80.8	76.3	81	76	70-130	6	30	
Benzoic Acid	ug/L	ND	500	500	133	59.7J	27	12	70-130		0	
Benzyl alcohol	ug/L	ND	200	200	152	109	76	55	70-130	33	30	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	75.3	55.0	75	55	70-130	31	30	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	75.7	55.1	76	55	70-130	31	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	80.1	77.8	80	78	70-130	3	30	
Butylbenzylphthalate	ug/L	ND	100	100	81.0	78.6	81	79	70-130	3	30	
Chrysene	ug/L	ND	100	100	71.9	71.4	72	71	70-130	1	30	
Di-n-butylphthalate	ug/L	ND	100	100	76.1	76.8	76	77	70-130	1	30	
Di-n-octylphthalate	ug/L	ND	100	100	79.0	83.3	79	83	70-130	5	30	
Dibenz(a,h)anthracene	ug/L	ND	100	100	89.9	89.5	90	90	70-130	0	30	
Dibenzofuran	ug/L	ND	100	100	77.2	69.1	77	69	70-130	11	30	
Diethylphthalate	ug/L	ND	100	100	75.7	74.7	76	75	70-130	1	30	
Dimethylphthalate	ug/L	ND	100	100	75.2	72.5	75	73	70-130	4	30	
Fluoranthene	ug/L	ND	100	100	75.0	76.1	75	76	70-130	2	30	
Fluorene	ug/L	ND	100	100	83.7	77.7	84	78	70-130	7	30	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	61.5	42.2	61	42	70-130	37	30	
Hexachlorobenzene	ug/L	ND	100	100	70.6	68.5	71	69	70-130	3	30	
Hexachlorocyclopentadiene	ug/L	ND	100	100	62.5	38.5	62	39	70-130	47	30	
Hexachloroethane	ug/L	ND	100	100	65.0	46.0	65	46	70-130	34	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	88.2	87.2	88	87	70-130	1	30	
Isophorone	ug/L	ND	100	100	77.1	59.3	77	59	70-130	26	30	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	82.1	61.1	82	61	70-130	29	30	
N-Nitrosodimethylamine	ug/L	ND	100	100	66.1	43.9	66	44	70-130	40	30	
N-Nitrosodiphenylamine	ug/L	ND	100	100	77.1	73.5	77	73	70-130	5	30	
Naphthalene	ug/L	ND	100	100	78.6	57.3	79	57	70-130	31	30	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742375 2742376

Parameter	Units	92454833001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene	ug/L	ND	100	100	81.7	58.8	82	59	70-130	33	30	
Pentachlorophenol	ug/L	ND	200	200	89.3J	70.6J	45	35	70-130		30	
Phenanthrene	ug/L	ND	100	100	78.1	75.5	78	76	70-130	3	30	
Phenol	ug/L	ND	100	100	50.4	25.5	50	25	70-130	66	30	5g
Pyrene	ug/L	ND	100	100	79.7	75.3	80	75	70-130	6	30	
2,4,6-Tribromophenol (S)	%						58	47	27-110			
2-Fluorobiphenyl (S)	%						78	64	27-110			
2-Fluorophenol (S)	%						47	24	12-110			
Nitrobenzene-d5 (S)	%						79	59	21-110			
Phenol-d6 (S)	%						50	26	10-110			
Terphenyl-d14 (S)	%						61	58	31-107			

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 510184 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92454032001, 92454032002, 92454032003, 92454032004, 92454032005, 92454032006, 92454032007, 92454032008, 92454032009, 92454032010

SAMPLE DUPLICATE: 2737618

Parameter	Units	92453989002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	31.6	31.2	1	25	

SAMPLE DUPLICATE: 2737619

Parameter	Units	92454032010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.8	15.6	1	25	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 510189 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92454032011, 92454032012, 92454032013, 92454032014, 92454032015, 92454032016, 92454032017, 92454032018, 92454032019, 92454032020, 92454032021, 92454032022, 92454032023, 92454032024, 92454032025, 92454032026, 92454032027, 92454032028, 92454032029, 92454032030

SAMPLE DUPLICATE: 2737648

Parameter	Units	92454032011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.8	17.7	1	25	

SAMPLE DUPLICATE: 2737649

Parameter	Units	92454032030 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.7	19.5	4	25	

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QUALITY CONTROL DATA

Project: Former Bramlette J19110470
Pace Project No.: 92454032

QC Batch: 510397 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92454032031, 92454032032, 92454032033, 92454032034, 92454032035, 92454032036, 92454032037, 92454032038, 92454032039

SAMPLE DUPLICATE: 2738529

Parameter	Units	92454032031 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.8	20.4	7	25	

SAMPLE DUPLICATE: 2738530

Parameter	Units	92454184012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.8	14.1	5	25	

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QUALIFIERS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

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.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	Comment applies to all compounds outside control limits.
2g	Due to extraction error, the MS/MSD were not spiked with all target compounds for analysis.
3g	Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error
4g	Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.
5g	Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.
	Comment applies to all compounds outside control limits.
B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALIFIERS

Project: Former Bramlette J19110470
Pace Project No.: 92454032

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92454032001	**SA-SB-1 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032002	**SA-SB-1 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032003	**SA-SB-3 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032004	**SA-SB-3 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032005	**SA-SB-12 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032006	**SA-SB-12 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032007	**SA-SB-18 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032008	**SA-SB-18 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032009	**SA-SB-19 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032010	**SA-SB-19 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032011	**SA-SB-25 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032012	**SA-SB-25 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032013	**SA-SB-26 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032014	**SA-SB-26 (5.5-6.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032015	**SA-SB-32 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032016	**SA-SB-32 (5.5-6.0)**	EPA 3546	511399	EPA 8270D by SIM	511433
92454032017	**SA-SB-33 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032018	**SA-SB-33 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032019	**SA-SB-34 (0.5-1.0)**	EPA 3546	511163	EPA 8270D by SIM	511305
92454032020	**SA-SB-34 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032021	**SA-SB-39 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032022	**SA-SB-39 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032023	**SA-SB-40 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032024	**SA-SB-40 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032025	**SA-SB-41 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032026	**SA-SB-41 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032027	**SA-SB-42 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032028	**SA-SB-42 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032029	**SA-SB-44 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032030	**SA-SB-44 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032031	**SA-SB-45 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032032	**SA-SB-45 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032033	**SA-SB-46 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032034	**SA-SB-46 (5.5-6.0)**	EPA 3546	511399	EPA 8270D by SIM	511433
92454032035	**SA-SB-47 (0.5-1.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032036	**SA-SB-47 (5.5-6.0)**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032037	**Blind DUP-4**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032038	**Blind DUP-5**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032039	**Blind DUP-3**	EPA 3546	511165	EPA 8270D by SIM	511335
92454032001	**SA-SB-1 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032002	**SA-SB-1 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032003	**SA-SB-3 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032004	**SA-SB-3 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032005	**SA-SB-12 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032006	**SA-SB-12 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92454032007	**SA-SB-18 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032008	**SA-SB-18 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032009	**SA-SB-19 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032010	**SA-SB-19 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032011	**SA-SB-25 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032012	**SA-SB-25 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032013	**SA-SB-26 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032014	**SA-SB-26 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032015	**SA-SB-32 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032016	**SA-SB-32 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032017	**SA-SB-33 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032018	**SA-SB-33 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032019	**SA-SB-34 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032020	**SA-SB-34 (5.5-6.0)**	EPA 3546	511168	EPA 8270D	511403
92454032021	**SA-SB-39 (0.5-1.0)**	EPA 3546	511168	EPA 8270D	511403
92454032022	**SA-SB-39 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032023	**SA-SB-40 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032024	**SA-SB-40 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032025	**SA-SB-41 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032026	**SA-SB-41 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032027	**SA-SB-42 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032028	**SA-SB-42 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032029	**SA-SB-44 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032030	**SA-SB-44 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032031	**SA-SB-45 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032032	**SA-SB-45 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032033	**SA-SB-46 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032034	**SA-SB-46 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032035	**SA-SB-47 (0.5-1.0)**	EPA 3546	511171	EPA 8270D	511408
92454032036	**SA-SB-47 (5.5-6.0)**	EPA 3546	511171	EPA 8270D	511408
92454032037	**Blind DUP-4**	EPA 3546	511171	EPA 8270D	511408
92454032038	**Blind DUP-5**	EPA 3546	511171	EPA 8270D	511408
92454032039	**Blind DUP-3**	EPA 3546	511171	EPA 8270D	511408
92454032040	**EQB-3**	EPA 3510C	510120	EPA 8270D	511049
92454032041	**EQB-4**	EPA 3510C	510120	EPA 8270D	511049
92454032042	**Trip Blank**	EPA 8260B	511258		
92454032001	**SA-SB-1 (0.5-1.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032002	**SA-SB-1 (5.5-6.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032003	**SA-SB-3 (0.5-1.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032004	**SA-SB-3 (5.5-6.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032005	**SA-SB-12 (0.5-1.0)**	EPA 5035A	511047	EPA 8260B	511056
92454032006	**SA-SB-12 (5.5-6.0)**	EPA 5035A	511047	EPA 8260B	511056
92454032007	**SA-SB-18 (0.5-1.0)**	EPA 5035A	511047	EPA 8260B	511056
92454032008	**SA-SB-18 (5.5-6.0)**	EPA 5035A	511047	EPA 8260B	511056
92454032009	**SA-SB-19 (0.5-1.0)**	EPA 5035A	510979	EPA 8260B	510983

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92454032010	**SA-SB-19 (5.5-6.0)**	EPA 5035A	511047	EPA 8260B	511056
92454032011	**SA-SB-25 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032012	**SA-SB-25 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032013	**SA-SB-26 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032014	**SA-SB-26 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032015	**SA-SB-32 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032016	**SA-SB-32 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032017	**SA-SB-33 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032018	**SA-SB-33 (5.5-6.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032019	**SA-SB-34 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032020	**SA-SB-34 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032021	**SA-SB-39 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032022	**SA-SB-39 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032023	**SA-SB-40 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032024	**SA-SB-40 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032025	**SA-SB-41 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032026	**SA-SB-41 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032027	**SA-SB-42 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032028	**SA-SB-42 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032029	**SA-SB-44 (0.5-1.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032030	**SA-SB-44 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032031	**SA-SB-45 (0.5-1.0)**	EPA 5035A	511378	EPA 8260B	511380
92454032032	**SA-SB-45 (5.5-6.0)**	EPA 5035A	511222	EPA 8260B	511230
92454032033	**SA-SB-46 (0.5-1.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032034	**SA-SB-46 (5.5-6.0)**	EPA 5035A	510979	EPA 8260B	510983
92454032035	**SA-SB-47 (0.5-1.0)**	EPA 5035A	511378	EPA 8260B	511380
92454032036	**SA-SB-47 (5.5-6.0)**	EPA 5035A	511378	EPA 8260B	511380
92454032037	**Blind DUP-4**	EPA 5035A	511378	EPA 8260B	511380
92454032038	**Blind DUP-5**	EPA 5035A	511378	EPA 8260B	511380
92454032039	**Blind DUP-3**	EPA 5035A	511378	EPA 8260B	511380
92454032001	**SA-SB-1 (0.5-1.0)**	ASTM D2974-87	510184		
92454032002	**SA-SB-1 (5.5-6.0)**	ASTM D2974-87	510184		
92454032003	**SA-SB-3 (0.5-1.0)**	ASTM D2974-87	510184		
92454032004	**SA-SB-3 (5.5-6.0)**	ASTM D2974-87	510184		
92454032005	**SA-SB-12 (0.5-1.0)**	ASTM D2974-87	510184		
92454032006	**SA-SB-12 (5.5-6.0)**	ASTM D2974-87	510184		
92454032007	**SA-SB-18 (0.5-1.0)**	ASTM D2974-87	510184		
92454032008	**SA-SB-18 (5.5-6.0)**	ASTM D2974-87	510184		
92454032009	**SA-SB-19 (0.5-1.0)**	ASTM D2974-87	510184		
92454032010	**SA-SB-19 (5.5-6.0)**	ASTM D2974-87	510184		
92454032011	**SA-SB-25 (0.5-1.0)**	ASTM D2974-87	510189		
92454032012	**SA-SB-25 (5.5-6.0)**	ASTM D2974-87	510189		
92454032013	**SA-SB-26 (0.5-1.0)**	ASTM D2974-87	510189		
92454032014	**SA-SB-26 (5.5-6.0)**	ASTM D2974-87	510189		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Bramlette J19110470
Pace Project No.: 92454032

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92454032015	**SA-SB-32 (0.5-1.0)**	ASTM D2974-87	510189		
92454032016	**SA-SB-32 (5.5-6.0)**	ASTM D2974-87	510189		
92454032017	**SA-SB-33 (0.5-1.0)**	ASTM D2974-87	510189		
92454032018	**SA-SB-33 (5.5-6.0)**	ASTM D2974-87	510189		
92454032019	**SA-SB-34 (0.5-1.0)**	ASTM D2974-87	510189		
92454032020	**SA-SB-34 (5.5-6.0)**	ASTM D2974-87	510189		
92454032021	**SA-SB-39 (0.5-1.0)**	ASTM D2974-87	510189		
92454032022	**SA-SB-39 (5.5-6.0)**	ASTM D2974-87	510189		
92454032023	**SA-SB-40 (0.5-1.0)**	ASTM D2974-87	510189		
92454032024	**SA-SB-40 (5.5-6.0)**	ASTM D2974-87	510189		
92454032025	**SA-SB-41 (0.5-1.0)**	ASTM D2974-87	510189		
92454032026	**SA-SB-41 (5.5-6.0)**	ASTM D2974-87	510189		
92454032027	**SA-SB-42 (0.5-1.0)**	ASTM D2974-87	510189		
92454032028	**SA-SB-42 (5.5-6.0)**	ASTM D2974-87	510189		
92454032029	**SA-SB-44 (0.5-1.0)**	ASTM D2974-87	510189		
92454032030	**SA-SB-44 (5.5-6.0)**	ASTM D2974-87	510189		
92454032031	**SA-SB-45 (0.5-1.0)**	ASTM D2974-87	510397		
92454032032	**SA-SB-45 (5.5-6.0)**	ASTM D2974-87	510397		
92454032033	**SA-SB-46 (0.5-1.0)**	ASTM D2974-87	510397		
92454032034	**SA-SB-46 (5.5-6.0)**	ASTM D2974-87	510397		
92454032035	**SA-SB-47 (0.5-1.0)**	ASTM D2974-87	510397		
92454032036	**SA-SB-47 (5.5-6.0)**	ASTM D2974-87	510397		
92454032037	**Blind DUP-4**	ASTM D2974-87	510397		
92454032038	**Blind DUP-5**	ASTM D2974-87	510397		
92454032039	**Blind DUP-3**	ASTM D2974-87	510397		

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Pace Analytical®	Document Name: **Sample Condition Upon Receipt(SCUR)**	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: **F-CAR-CS-033-Rev.06**	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ **Eden** ☐ **Greenwood** ☐ **Huntersville** ☑ **Raleigh** ☐ **Mechanicsville** ☐

Sample Condition Upon Receipt

Client Name: Synterra

Project #: WO# : 92454032

92454032

Courier: ☐ Commercial ☑ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: 11.16.19 JL

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92T058

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 3.3, 3.0, 3.4 **Correction Factor:** Add/Subtract (°C) 0.0°C

Cooler Temp Corrected (°C): 3.3, 3.0, 3.4

Temp should be above freezing to 6°C

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

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 ☑ No

Did 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? -Includes Date/Time/ID/Analysis Matrix: SL, WT	☑ Yes	☐ No	☐ N/A	9.
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:** _____

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

***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, LLHg

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

Project # WO# : 92454032

PM: KLH1 Due Date: 11/25/19

CLIENT: 92-Duke Ener

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

***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, LLHg

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

Project #

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
13									✓											✓								
14									✓											✓								
15									✓											✓								
16									✓											✓								
17									✓											✓								
18									✓											✓								
19									✓											✓								
20									✓											✓								
21									✓											✓								
22									✓											✓								
23									✓											✓								
24									✓											✓								

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 #

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***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, LLHg

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

Project #

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
25									1											1								
26									1											1								
27									1											1								
28									1											1								
29									1											1								
30									1											1								
31									1											1								
32									1											1								
33									1											1								
34									1											1								
35									1											1								
36									1											1								

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 #

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37									1											1								
38									1											1								
39									1											1								
40									1											1								
41									1											1								
42									1											1								
43										1																		
44										1																		
45																2												
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 4

Section A
Required Client Information:

Company: Synterra
Address: 148 River street
Suite 220, Greenville, SC 29601
Email: tking@synterracorp.com
Phone: (803)429-3668 Fax:
Requested Due Date:

Section B
Required Project Information:

Report To: Tom King
Copy To:
Purchase Order #:
Project Name: Former Bramlette MGP Site
Project #:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote:
Pace Project Manager: kevin.herring@pacelabs.com,
Pace Profile #: 7754

Regulatory Agency:
State / Location: SC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: 8260 VOCs	8270 SVOCs	Trip BLANK	8260/8270 EB &FB	Residual Chlorine (Y/N)
1	SA-SB-1(0.5-1.0)	SL	G			11/15																
2	SA-SB-1(5.5-6.0)					11/15																
3	SA-SB-3(0.5-1.0)					11/15																
4	SA-SB-3 (5.5-6.0)					11/15																
5	SA-SB-12 (0.5-1.0)					11/14	0900		7	2					1	2	2	6	1			
6	SA-SB-12 (5.5-6.0)					11/14	0905		7	2					1	2	2	6	1			
7	SA-SB-18 (0.5-1.0)						0915															
8	SA-SB-18 (5.5-6.0)						0920															
9	SA-SB-19 (0.5-1.0)						0800															
10	SA-SB-19 (5.5-6.0)						0805															
11	SA-SB-25 (0.5-1.0)						1110															
12	SA-SB-25 (5.5-6.0)						1115															

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
vel 4 data report required.	[signature]	11/15/19	1150	[signature]	11-15-19	1150
	[signature]	11-15-19	1325	N Freeman/PACE Atl	11/15/19	1325
	N Freeman/PACE Atl	11/15/19	2100	Jovanna L Pace	11-16-19	8:00

SAMPLE CONDITIONS	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	3.9 0.6 2.1 1.2	Y	N	Y
	3.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian Spillane

SIGNATURE of SAMPLER: [signature]

DATE Signed: 11-15-19

Pace Analytical

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hone: (803)429-3668 Fax
equested Due Date:

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Project Name: Former Bramlette MGP Site
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Company Name:
Address:
Pace Quote:
Pace Project Manager: kevin.herring@pacelabs.com,
Pace Profile #: 7754

Regulatory Agency:
State / Location: SC

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1	SA-SB-26 (0.5-1.0)	SL	G			11/14	0925		7	2					1	2	2		6	1			
2	SA-SB-26 (5.5-6.0)						0930																
3	SA-SB-32 (0.5-1.0)						1125																
4	SA-SB-32 (5.5-6.0)						1130																
5	SA-SB-33 (0.5-1.0)						1050																
6	SA-SB-33 (5.5-6.0)						1055																
7	SA-SB-34 (0.5-1.0)						0945																
8	SA-SB-34 (5.5-6.0)						0950																
9	SA-SB-39 (0.5-1.0)						1210																
10	SA-SB-39 (5.5-6.0)						1215																
11	SA-SB-40 (0.5-1.0)						1025																
12	SA-SB-40 (5.5-6.0)						1030																

MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
el 4 data report required.	[signature]	11/15/19	1150	[signature]	11.15.19	1150				
	[signature]	11.15.19	1325	NFrazier/PACE	11/15/19	1325	2.9 2.1	0.6 1.2 Y	N	Y
	NFrazier/PACE	11/15/19	2100	Joshua L Pace	11.16.19	8.00	3.0	Y	N	Y

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian Spillard

SIGNATURE of SAMPLER: [signature]

DATE Signed: 11-15-19

Pace Analytical

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Company Name:
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Pace Quote:
Pace Project Manager: kevin.herring@pacelabs.com,
Pace Profile #: 7754

Regulatory Agency:
State / Location: SC

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1	SA-SB-41 (0.5-1.0)	SL	G			11/14	1015		7	2					1	2	2		6	1			
2	SA-SB-41 (5.5-6.0)						1020																
3	SA-SB-42 (0.5-1.0)						1005																
4	SA-SB-42 (5.5-6.0)						1010																
5	SA-SB-44 (0.5-1.0)						1230																
6	SA-SB-44 (5.5-6.0)						1235																
7	SA-SB-45 (0.5-1.0)						1145																
8	SA-SB-45 (5.5-6.0)						1150																
9	SA-SB-46 (0.5-1.0)						1310																
10	SA-SB-46 (5.5-6.0)						1315																
11	SA-SB-47 (0.5-1.0)						1250																
12	SA-SB-47 (5.5-6.0)						1255																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
vel 4 data report required.	[signature]	11/15/19	1150	[signature]	11.15.19	1150				
	[signature]	11.15.19	1325	NFieum/PACEAL	11/15/19	1325	3.9, 0.6, 2.7, 1.2	Y	N	Y
	NFieum/PACEAL	11/15/19	2100	Journee Place	11.16.19	8:00	3.4	Y		

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian Spillane

SIGNATURE of SAMPLER: [signature]

DATE Signed: 11-15-19

Pace Analytical

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Attention:
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Address:
Pace Quote:
Pace Project Manager: kevin.herring@pacelabs.com,
Pace Profile #: 7754

Regulatory Agency:
State / Location: SC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 VOCs	8270 SVOCs	Trip BLANK	8260/8270 EB &FB	Residual Chlorine (Y/N)
1	Blind DUP-4	SL	G			11/14	1050		7	2					1	2	2		6	1			
2	Blind DUP-5						1310																
3	SA-SB-33(5.5-6.0)MSMSD						1055																
4	SA-SB-46(5.5-6.0) MSMSD						1315																
5	Blind DUP-3						0805																
6	SA-SB-19(0.5-1.0) MSMSD						0800																
7	EQB-3	WT	G				1600		1	1											1		
8	EQB-4	WT	G			11/15	1100		1	1											1		
9	Trip Blank-2	WT	G			11/15	—		2				2							2			
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
vel 4 data report required.	[signature]	11/15/19	1150	[signature]	11/15/19	1150				
	[signature]	11/15/19	1325	N Freeman/PACE AN	11/15/19	1325	3.9 2.1	0.5 1.2 Y	N	Y
	N Freeman/PACE AN	11/15/19	2100	Joshua L Race	11/16/19	8:00	3.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian Spillane

SIGNATURE of SAMPLER: [signature]

DATE Signed: 11-15-19

ATTACHMENT E
LABORATORY ANALYTICAL REPORT FOR PSG SAMPLES

(LABORATORY ANALYTICAL REPORTS TRANSMITTED ELECTRONICALLY (CD) WITH HARDCOPY DELIVERABLE)

Beacon Environmental Services, Inc.
2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 190808H01

Beacon Project No.: 0004970

Project Description:
Former Bramlette MGP Site
Greenville, SC

Client PO No.: 1026.800.09

Prepared for:
Thomas King
SynTerra
148 River Street, Suite 220
Greenville, SC 29601

Ryan W. Schneider
Senior Project Manager

December 09, 2019

All data meet requirements as specified in the Beacon Environmental Services, Inc. Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2005. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Interim Quality Manager

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0004970-01 Sampler Type:	SA-SB-1-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-02 Sampler Type:	SA-SB-2-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-03 Sampler Type:	SA-SB-3-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-04 Sampler Type:	SA-SB-4-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-05 Sampler Type:	SA-SB-5-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-06 Sampler Type:	SA-SB-6-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-07 Sampler Type:	SA-SB-7-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-08 Sampler Type:	SA-SB-8-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-09 Sampler Type:	SA-SB-9-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-10 Sampler Type:	SA-SB-10-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-11 Sampler Type:	SA-SB-11-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-12 Sampler Type:	SA-SB-12-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-13 Sampler Type:	SA-SB-13-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-14 Sampler Type:	SA-SB-14-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-15 Sampler Type:	SA-SB-15-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-16 Sampler Type:	SA-SB-16-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-17 Sampler Type:	SA-SB-17-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-18 Sampler Type:	SA-SB-18-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-19 Sampler Type:	SA-SB-19-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-20 Sampler Type:	SA-SB-20-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0004970-21 Sampler Type:	SA-SB-21-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-22 Sampler Type:	SA-SB-22-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-23 Sampler Type:	SA-SB-23-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-24 Sampler Type:	SA-SB-24-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-25 Sampler Type:	SA-SB-25-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-26 Sampler Type:	SA-SB-26-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-27 Sampler Type:	SA-SB-27-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-28 Sampler Type:	SA-SB-28-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-29 Sampler Type:	SA-SB-29-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-30 Sampler Type:	SA-SB-30-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-31 Sampler Type:	SA-SB-31-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-32 Sampler Type:	SA-SB-32-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-33 Sampler Type:	SA-SB-33-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-34 Sampler Type:	SA-SB-34-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-35 Sampler Type:	SA-SB-35-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-36 Sampler Type:	SA-SB-36-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-37 Sampler Type:	SA-SB-37-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-38 Sampler Type:	SA-SB-38-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-39 Sampler Type:	SA-SB-39-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-40 Sampler Type:	SA-SB-40-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-41 Sampler Type:	SA-SB-41-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0004970-42 Sampler Type:	SA-SB-42-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-43 Sampler Type:	SA-SB-43-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-44 Sampler Type:	SA-SB-44-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-45 Sampler Type:	SA-SB-45-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-46 Sampler Type:	SA-SB-46-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-47 Sampler Type:	SA-SB-47-GS-20191202 Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-48 Sampler Type:	Trip 1 Beacon Passive Sampler	12/04/2019	EPA 8260C	Air
0004970-49 Sampler Type:	Trip 2 Beacon Passive Sampler	12/04/2019	EPA 8260C	Air
0004970-50 Sampler Type:	SA-SB-7-GS-20191202 Dup Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-51 Sampler Type:	SA-SB-13-GS-20191202 Dup Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas
0004970-52 Sampler Type:	SA-SB-46-GS-20191202 Dup Beacon Passive Sampler	12/04/2019	EPA 8260C	Soil Gas

Samples Received: **52**
Samples Analyzed: **52**

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SynTerra	**Project Site:** Former Bramlette MGP Site	**Beacon Proposal:** 190808H01
148 River Street, Suite 220	**Project Location:** Greenville, SC	**Beacon Project No.:** 0004970
Greenville, SC 29601	**Project Manager:** Thomas King	**Reported:** 12/09/2019

Case Narrative

U.S. EPA Method 8260C

All samples were analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260C, with laboratory results provided in nanograms (ng). Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were in accordance with BEACON's Quality Assurance Project Plan.

Passive Soil-Gas Survey Notes

If sample locations are covered with or near the edge of an impervious surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are higher than if the surfacing was not present. Therefore, the sample location conditions should be considered when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times).

Reporting Limits

The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. Field sample measurements above the upper calibration standard are estimated; however, these values are reported without qualifiers because all reported measurements are relative to each other and are appropriate to meet the survey objectives of locating source areas and vapor intrusion pathways and defining the lateral extent of the contamination.

End of Case Narrative

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SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Analytical Results

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Summary of Compound Detections - Mass

Lab Sample ID: 0004970-01 **SA-SB-1-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**43**		25	12/05/2019 14:29	S19120507.D

Lab Sample ID: 0004970-02 **SA-SB-2-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**46**		25	12/05/2019 14:50	S19120508.D

Lab Sample ID: 0004970-04 **SA-SB-4-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**31**		25	12/05/2019 15:32	S19120510.D

Lab Sample ID: 0004970-05 **SA-SB-5-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**39**		25	12/05/2019 15:53	S19120511.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-11 **SA-SB-11-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
trans-1,2-Dichloroethene	156-60-5	**13**		10	12/05/2019 18:20	S19120518.D
cis-1,2-Dichloroethene	156-59-2	**122**		10	12/05/2019 18:20	S19120518.D
Benzene	71-43-2	**30**		25	12/05/2019 18:20	S19120518.D
TPH C4-C9		**5,700**		5000	12/05/2019 18:20	S19120518.D

Lab Sample ID: 0004970-12 **SA-SB-12-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**44**		25	12/05/2019 18:41	S19120519.D
TPH C4-C9		**5,890**		5000	12/05/2019 18:41	S19120519.D

Lab Sample ID: 0004970-13 **SA-SB-13-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**37**		25	12/05/2019 19:02	S19120520.D

Lab Sample ID: 0004970-14 **SA-SB-14-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**29**		25	12/05/2019 19:44	S19120522.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-17 **SA-SB-17-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**25**		25	12/05/2019 20:48	S19120525.D
TPH C4-C9		**5,280**		5000	12/05/2019 20:48	S19120525.D

Lab Sample ID: 0004970-18 **SA-SB-18-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**62**		25	12/05/2019 21:09	S19120526.D
TPH C4-C9		**6,160**		5000	12/05/2019 21:09	S19120526.D

Lab Sample ID: 0004970-20 **SA-SB-20-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**60**		25	12/05/2019 21:51	S19120528.D

Lab Sample ID: 0004970-21 **SA-SB-21-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**26**		25	12/05/2019 22:12	S19120529.D

Lab Sample ID: 0004970-22 **SA-SB-22-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**34**		25	12/05/2019 22:33	S19120530.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:** Former Bramlette MGP Site	**Beacon Proposal:** 190808H01
148 River Street, Suite 220	**Project Location:** Greenville, SC	**Beacon Project No.:** 0004970
Greenville, SC 29601	**Project Manager:** Thomas King	**Reported:** 12/09/2019

Lab Sample ID: 0004970-25 **SA-SB-25-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**28**		25	12/05/2019 23:36	S19120533.D

Lab Sample ID: 0004970-27 **SA-SB-27-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**29**		25	12/06/2019 00:19	S19120535.D
Toluene	108-88-3	**79**		25	12/06/2019 00:19	S19120535.D

Lab Sample ID: 0004970-28 **SA-SB-28-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**26**		25	12/06/2019 00:40	S19120536.D

Lab Sample ID: 0004970-30 **SA-SB-30-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**29**		25	12/06/2019 01:22	S19120538.D
Toluene	108-88-3	**34**		25	12/06/2019 01:22	S19120538.D

Lab Sample ID: 0004970-35 **SA-SB-35-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**42**		25	12/06/2019 03:07	S19120543.D
TPH C4-C9		**12,000**		5000	12/06/2019 03:07	S19120543.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:** Former Bramlette MGP Site	**Beacon Proposal:** 190808H01
148 River Street, Suite 220	**Project Location:** Greenville, SC	**Beacon Project No.:** 0004970
Greenville, SC 29601	**Project Manager:** Thomas King	**Reported:** 12/09/2019

Lab Sample ID: 0004970-37 **SA-SB-37-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
TPH C10-C15		**9,140**		5000	12/06/2019 03:49	S19120545.D

Lab Sample ID: 0004970-38 **SA-SB-38-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Toluene	108-88-3	**29**		25	12/06/2019 04:10	S19120546.D

Lab Sample ID: 0004970-41 **SA-SB-41-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Toluene	108-88-3	**30**		25	12/06/2019 05:13	S19120549.D

Lab Sample ID: 0004970-44 **SA-SB-44-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Toluene	108-88-3	**54**		25	12/06/2019 06:16	S19120552.D

Lab Sample ID: 0004970-46 **SA-SB-46-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Toluene	108-88-3	**32**		25	12/06/2019 06:58	S19120554.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-50 **SA-SB-7-GS-20191202 Dup** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**26**		25	12/05/2019 16:56	S19120514.D

Lab Sample ID: 0004970-51 **SA-SB-13-GS-20191202 Dup** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Benzene	71-43-2	**34**		25	12/05/2019 19:23	S19120521.D

Lab Sample ID: 0004970-52 **SA-SB-46-GS-20191202 Dup** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Toluene	108-88-3	**50**		25	12/06/2019 07:19	S19120555.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
trans-1,2-Dichloroethene	1	10	13
cis-1,2-Dichloroethene	1	10	122
Benzene	18	25	62
Toluene	6	25	79
TPH C4-C9	5	5,000	12,000
TPH C10-C15	1	5,000	9,140

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SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Detailed Analytical Results

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-01 **SA-SB-1-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 14:29	S19120507.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 14:29	S19120507.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 14:29	S19120507.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 14:29	S19120507.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 14:29	S19120507.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 14:29	S19120507.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 14:29	S19120507.D
Chloroform	67-66-3	<10		10	12/05/2019 14:29	S19120507.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 14:29	S19120507.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 14:29	S19120507.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 14:29	S19120507.D
Benzene	71-43-2	**43**		25	12/05/2019 14:29	S19120507.D
Trichloroethene	79-01-6	<10		10	12/05/2019 14:29	S19120507.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 14:29	S19120507.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 14:29	S19120507.D
Toluene	108-88-3	<25		25	12/05/2019 14:29	S19120507.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 14:29	S19120507.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 14:29	S19120507.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 14:29	S19120507.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 14:29	S19120507.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 14:29	S19120507.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 14:29	S19120507.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 14:29	S19120507.D
o-Xylene	95-47-6	<25		25	12/05/2019 14:29	S19120507.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 14:29	S19120507.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 14:29	S19120507.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 14:29	S19120507.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 14:29	S19120507.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 14:29	S19120507.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 14:29	S19120507.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 14:29	S19120507.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 14:29	S19120507.D
Naphthalene	91-20-3	<25		25	12/05/2019 14:29	S19120507.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 14:29	S19120507.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 14:29	S19120507.D
℮TPH C4-C9		<5,000		5000	12/05/2019 14:29	S19120507.D
℮TPH C10-C15		<5,000		5000	12/05/2019 14:29	S19120507.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-02 **SA-SB-2-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 14:50	S19120508.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 14:50	S19120508.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 14:50	S19120508.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 14:50	S19120508.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 14:50	S19120508.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 14:50	S19120508.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 14:50	S19120508.D
Chloroform	67-66-3	<10		10	12/05/2019 14:50	S19120508.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 14:50	S19120508.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 14:50	S19120508.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 14:50	S19120508.D
Benzene	71-43-2	**46**		25	12/05/2019 14:50	S19120508.D
Trichloroethene	79-01-6	<10		10	12/05/2019 14:50	S19120508.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 14:50	S19120508.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 14:50	S19120508.D
Toluene	108-88-3	<25		25	12/05/2019 14:50	S19120508.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 14:50	S19120508.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 14:50	S19120508.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 14:50	S19120508.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 14:50	S19120508.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 14:50	S19120508.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 14:50	S19120508.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 14:50	S19120508.D
o-Xylene	95-47-6	<25		25	12/05/2019 14:50	S19120508.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 14:50	S19120508.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 14:50	S19120508.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 14:50	S19120508.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 14:50	S19120508.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 14:50	S19120508.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 14:50	S19120508.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 14:50	S19120508.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 14:50	S19120508.D
Naphthalene	91-20-3	<25		25	12/05/2019 14:50	S19120508.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 14:50	S19120508.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 14:50	S19120508.D
TPH C4-C9		<5,000		5000	12/05/2019 14:50	S19120508.D
TPH C10-C15		<5,000		5000	12/05/2019 14:50	S19120508.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-03 **SA-SB-3-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 15:11	S19120509.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 15:11	S19120509.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 15:11	S19120509.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 15:11	S19120509.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 15:11	S19120509.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 15:11	S19120509.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 15:11	S19120509.D
Chloroform	67-66-3	<10		10	12/05/2019 15:11	S19120509.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 15:11	S19120509.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 15:11	S19120509.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 15:11	S19120509.D
Benzene	71-43-2	<25		25	12/05/2019 15:11	S19120509.D
Trichloroethene	79-01-6	<10		10	12/05/2019 15:11	S19120509.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 15:11	S19120509.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 15:11	S19120509.D
Toluene	108-88-3	<25		25	12/05/2019 15:11	S19120509.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 15:11	S19120509.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 15:11	S19120509.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 15:11	S19120509.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 15:11	S19120509.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 15:11	S19120509.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 15:11	S19120509.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 15:11	S19120509.D
o-Xylene	95-47-6	<25		25	12/05/2019 15:11	S19120509.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 15:11	S19120509.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 15:11	S19120509.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 15:11	S19120509.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 15:11	S19120509.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 15:11	S19120509.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 15:11	S19120509.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 15:11	S19120509.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 15:11	S19120509.D
Naphthalene	91-20-3	<25		25	12/05/2019 15:11	S19120509.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 15:11	S19120509.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 15:11	S19120509.D
∑TPH C4-C9		<5,000		5000	12/05/2019 15:11	S19120509.D
∑TPH C10-C15		<5,000		5000	12/05/2019 15:11	S19120509.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-04 **SA-SB-4-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 15:32	S19120510.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 15:32	S19120510.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 15:32	S19120510.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 15:32	S19120510.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 15:32	S19120510.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 15:32	S19120510.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 15:32	S19120510.D
Chloroform	67-66-3	<10		10	12/05/2019 15:32	S19120510.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 15:32	S19120510.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 15:32	S19120510.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 15:32	S19120510.D
Benzene	71-43-2	**31**		25	12/05/2019 15:32	S19120510.D
Trichloroethene	79-01-6	<10		10	12/05/2019 15:32	S19120510.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 15:32	S19120510.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 15:32	S19120510.D
Toluene	108-88-3	<25		25	12/05/2019 15:32	S19120510.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 15:32	S19120510.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 15:32	S19120510.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 15:32	S19120510.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 15:32	S19120510.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 15:32	S19120510.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 15:32	S19120510.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 15:32	S19120510.D
o-Xylene	95-47-6	<25		25	12/05/2019 15:32	S19120510.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 15:32	S19120510.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 15:32	S19120510.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 15:32	S19120510.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 15:32	S19120510.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 15:32	S19120510.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 15:32	S19120510.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 15:32	S19120510.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 15:32	S19120510.D
Naphthalene	91-20-3	<25		25	12/05/2019 15:32	S19120510.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 15:32	S19120510.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 15:32	S19120510.D
∑TPH C4-C9		<5,000		5000	12/05/2019 15:32	S19120510.D
∑TPH C10-C15		<5,000		5000	12/05/2019 15:32	S19120510.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-05 **SA-SB-5-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 15:53	S19120511.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 15:53	S19120511.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 15:53	S19120511.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 15:53	S19120511.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 15:53	S19120511.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 15:53	S19120511.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 15:53	S19120511.D
Chloroform	67-66-3	<10		10	12/05/2019 15:53	S19120511.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 15:53	S19120511.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 15:53	S19120511.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 15:53	S19120511.D
Benzene	71-43-2	**39**		25	12/05/2019 15:53	S19120511.D
Trichloroethene	79-01-6	<10		10	12/05/2019 15:53	S19120511.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 15:53	S19120511.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 15:53	S19120511.D
Toluene	108-88-3	<25		25	12/05/2019 15:53	S19120511.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 15:53	S19120511.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 15:53	S19120511.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 15:53	S19120511.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 15:53	S19120511.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 15:53	S19120511.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 15:53	S19120511.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 15:53	S19120511.D
o-Xylene	95-47-6	<25		25	12/05/2019 15:53	S19120511.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 15:53	S19120511.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 15:53	S19120511.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 15:53	S19120511.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 15:53	S19120511.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 15:53	S19120511.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 15:53	S19120511.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 15:53	S19120511.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 15:53	S19120511.D
Naphthalene	91-20-3	<25		25	12/05/2019 15:53	S19120511.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 15:53	S19120511.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 15:53	S19120511.D
∑TPH C4-C9		<5,000		5000	12/05/2019 15:53	S19120511.D
∑TPH C10-C15		<5,000		5000	12/05/2019 15:53	S19120511.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-06 **SA-SB-6-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 16:14	S19120512.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 16:14	S19120512.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 16:14	S19120512.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 16:14	S19120512.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 16:14	S19120512.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 16:14	S19120512.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 16:14	S19120512.D
Chloroform	67-66-3	<10		10	12/05/2019 16:14	S19120512.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 16:14	S19120512.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 16:14	S19120512.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 16:14	S19120512.D
Benzene	71-43-2	<25		25	12/05/2019 16:14	S19120512.D
Trichloroethene	79-01-6	<10		10	12/05/2019 16:14	S19120512.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 16:14	S19120512.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 16:14	S19120512.D
Toluene	108-88-3	<25		25	12/05/2019 16:14	S19120512.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 16:14	S19120512.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 16:14	S19120512.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 16:14	S19120512.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 16:14	S19120512.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 16:14	S19120512.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 16:14	S19120512.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 16:14	S19120512.D
o-Xylene	95-47-6	<25		25	12/05/2019 16:14	S19120512.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 16:14	S19120512.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 16:14	S19120512.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 16:14	S19120512.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 16:14	S19120512.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 16:14	S19120512.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 16:14	S19120512.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 16:14	S19120512.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 16:14	S19120512.D
Naphthalene	91-20-3	<25		25	12/05/2019 16:14	S19120512.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 16:14	S19120512.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 16:14	S19120512.D
∑TPH C4-C9		<5,000		5000	12/05/2019 16:14	S19120512.D
∑TPH C10-C15		<5,000		5000	12/05/2019 16:14	S19120512.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-07 **SA-SB-7-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 16:35	S19120513.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 16:35	S19120513.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 16:35	S19120513.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 16:35	S19120513.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 16:35	S19120513.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 16:35	S19120513.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 16:35	S19120513.D
Chloroform	67-66-3	<10		10	12/05/2019 16:35	S19120513.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 16:35	S19120513.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 16:35	S19120513.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 16:35	S19120513.D
Benzene	71-43-2	<25		25	12/05/2019 16:35	S19120513.D
Trichloroethene	79-01-6	<10		10	12/05/2019 16:35	S19120513.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 16:35	S19120513.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 16:35	S19120513.D
Toluene	108-88-3	<25		25	12/05/2019 16:35	S19120513.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 16:35	S19120513.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 16:35	S19120513.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 16:35	S19120513.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 16:35	S19120513.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 16:35	S19120513.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 16:35	S19120513.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 16:35	S19120513.D
o-Xylene	95-47-6	<25		25	12/05/2019 16:35	S19120513.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 16:35	S19120513.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 16:35	S19120513.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 16:35	S19120513.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 16:35	S19120513.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 16:35	S19120513.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 16:35	S19120513.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 16:35	S19120513.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 16:35	S19120513.D
Naphthalene	91-20-3	<25		25	12/05/2019 16:35	S19120513.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 16:35	S19120513.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 16:35	S19120513.D
∑TPH C4-C9		<5,000		5000	12/05/2019 16:35	S19120513.D
∑TPH C10-C15		<5,000		5000	12/05/2019 16:35	S19120513.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-08 **SA-SB-8-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 17:17	S19120515.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 17:17	S19120515.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 17:17	S19120515.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 17:17	S19120515.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 17:17	S19120515.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 17:17	S19120515.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 17:17	S19120515.D
Chloroform	67-66-3	<10		10	12/05/2019 17:17	S19120515.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 17:17	S19120515.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 17:17	S19120515.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 17:17	S19120515.D
Benzene	71-43-2	<25		25	12/05/2019 17:17	S19120515.D
Trichloroethene	79-01-6	<10		10	12/05/2019 17:17	S19120515.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 17:17	S19120515.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 17:17	S19120515.D
Toluene	108-88-3	<25		25	12/05/2019 17:17	S19120515.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 17:17	S19120515.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 17:17	S19120515.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 17:17	S19120515.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 17:17	S19120515.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 17:17	S19120515.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 17:17	S19120515.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 17:17	S19120515.D
o-Xylene	95-47-6	<25		25	12/05/2019 17:17	S19120515.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 17:17	S19120515.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 17:17	S19120515.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 17:17	S19120515.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 17:17	S19120515.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 17:17	S19120515.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 17:17	S19120515.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 17:17	S19120515.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 17:17	S19120515.D
Naphthalene	91-20-3	<25		25	12/05/2019 17:17	S19120515.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 17:17	S19120515.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 17:17	S19120515.D
∑TPH C4-C9		<5,000		5000	12/05/2019 17:17	S19120515.D
∑TPH C10-C15		<5,000		5000	12/05/2019 17:17	S19120515.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-09 **SA-SB-9-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 17:38	S19120516.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 17:38	S19120516.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 17:38	S19120516.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 17:38	S19120516.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 17:38	S19120516.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 17:38	S19120516.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 17:38	S19120516.D
Chloroform	67-66-3	<10		10	12/05/2019 17:38	S19120516.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 17:38	S19120516.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 17:38	S19120516.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 17:38	S19120516.D
Benzene	71-43-2	<25		25	12/05/2019 17:38	S19120516.D
Trichloroethene	79-01-6	<10		10	12/05/2019 17:38	S19120516.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 17:38	S19120516.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 17:38	S19120516.D
Toluene	108-88-3	<25		25	12/05/2019 17:38	S19120516.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 17:38	S19120516.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 17:38	S19120516.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 17:38	S19120516.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 17:38	S19120516.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 17:38	S19120516.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 17:38	S19120516.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 17:38	S19120516.D
o-Xylene	95-47-6	<25		25	12/05/2019 17:38	S19120516.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 17:38	S19120516.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 17:38	S19120516.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 17:38	S19120516.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 17:38	S19120516.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 17:38	S19120516.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 17:38	S19120516.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 17:38	S19120516.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 17:38	S19120516.D
Naphthalene	91-20-3	<25		25	12/05/2019 17:38	S19120516.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 17:38	S19120516.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 17:38	S19120516.D
∑TPH C4-C9		<5,000		5000	12/05/2019 17:38	S19120516.D
∑TPH C10-C15		<5,000		5000	12/05/2019 17:38	S19120516.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-10 **SA-SB-10-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 17:59	S19120517.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 17:59	S19120517.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 17:59	S19120517.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 17:59	S19120517.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 17:59	S19120517.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 17:59	S19120517.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 17:59	S19120517.D
Chloroform	67-66-3	<10		10	12/05/2019 17:59	S19120517.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 17:59	S19120517.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 17:59	S19120517.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 17:59	S19120517.D
Benzene	71-43-2	<25		25	12/05/2019 17:59	S19120517.D
Trichloroethene	79-01-6	<10		10	12/05/2019 17:59	S19120517.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 17:59	S19120517.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 17:59	S19120517.D
Toluene	108-88-3	<25		25	12/05/2019 17:59	S19120517.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 17:59	S19120517.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 17:59	S19120517.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 17:59	S19120517.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 17:59	S19120517.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 17:59	S19120517.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 17:59	S19120517.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 17:59	S19120517.D
o-Xylene	95-47-6	<25		25	12/05/2019 17:59	S19120517.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 17:59	S19120517.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 17:59	S19120517.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 17:59	S19120517.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 17:59	S19120517.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 17:59	S19120517.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 17:59	S19120517.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 17:59	S19120517.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 17:59	S19120517.D
Naphthalene	91-20-3	<25		25	12/05/2019 17:59	S19120517.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 17:59	S19120517.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 17:59	S19120517.D
∑TPH C4-C9		<5,000		5000	12/05/2019 17:59	S19120517.D
∑TPH C10-C15		<5,000		5000	12/05/2019 17:59	S19120517.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-11

SA-SB-11-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 18:20	S19120518.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 18:20	S19120518.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 18:20	S19120518.D
trans-1,2-Dichloroethene	156-60-5	**13**		10	12/05/2019 18:20	S19120518.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 18:20	S19120518.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 18:20	S19120518.D
cis-1,2-Dichloroethene	156-59-2	**122**		10	12/05/2019 18:20	S19120518.D
Chloroform	67-66-3	<10		10	12/05/2019 18:20	S19120518.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 18:20	S19120518.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 18:20	S19120518.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 18:20	S19120518.D
Benzene	71-43-2	**30**		25	12/05/2019 18:20	S19120518.D
Trichloroethene	79-01-6	<10		10	12/05/2019 18:20	S19120518.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 18:20	S19120518.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 18:20	S19120518.D
Toluene	108-88-3	<25		25	12/05/2019 18:20	S19120518.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 18:20	S19120518.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 18:20	S19120518.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 18:20	S19120518.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 18:20	S19120518.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 18:20	S19120518.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 18:20	S19120518.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 18:20	S19120518.D
o-Xylene	95-47-6	<25		25	12/05/2019 18:20	S19120518.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 18:20	S19120518.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 18:20	S19120518.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 18:20	S19120518.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 18:20	S19120518.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 18:20	S19120518.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 18:20	S19120518.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 18:20	S19120518.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 18:20	S19120518.D
Naphthalene	91-20-3	<25		25	12/05/2019 18:20	S19120518.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 18:20	S19120518.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 18:20	S19120518.D
⁄**TPH C4-C9**		**5,700**		5000	12/05/2019 18:20	S19120518.D
⁄TPH C10-C15		<5,000		5000	12/05/2019 18:20	S19120518.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-12

SA-SB-12-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 18:41	S19120519.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 18:41	S19120519.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 18:41	S19120519.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 18:41	S19120519.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 18:41	S19120519.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 18:41	S19120519.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 18:41	S19120519.D
Chloroform	67-66-3	<10		10	12/05/2019 18:41	S19120519.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 18:41	S19120519.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 18:41	S19120519.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 18:41	S19120519.D
Benzene	71-43-2	**44**		25	12/05/2019 18:41	S19120519.D
Trichloroethene	79-01-6	<10		10	12/05/2019 18:41	S19120519.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 18:41	S19120519.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 18:41	S19120519.D
Toluene	108-88-3	<25		25	12/05/2019 18:41	S19120519.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 18:41	S19120519.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 18:41	S19120519.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 18:41	S19120519.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 18:41	S19120519.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 18:41	S19120519.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 18:41	S19120519.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 18:41	S19120519.D
o-Xylene	95-47-6	<25		25	12/05/2019 18:41	S19120519.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 18:41	S19120519.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 18:41	S19120519.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 18:41	S19120519.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 18:41	S19120519.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 18:41	S19120519.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 18:41	S19120519.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 18:41	S19120519.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 18:41	S19120519.D
Naphthalene	91-20-3	<25		25	12/05/2019 18:41	S19120519.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 18:41	S19120519.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 18:41	S19120519.D
⸸**TPH C4-C9**		**5,890**		5000	12/05/2019 18:41	S19120519.D
⸸TPH C10-C15		<5,000		5000	12/05/2019 18:41	S19120519.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-13 **SA-SB-13-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 19:02	S19120520.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 19:02	S19120520.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 19:02	S19120520.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 19:02	S19120520.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 19:02	S19120520.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 19:02	S19120520.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 19:02	S19120520.D
Chloroform	67-66-3	<10		10	12/05/2019 19:02	S19120520.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 19:02	S19120520.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 19:02	S19120520.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 19:02	S19120520.D
Benzene	71-43-2	**37**		25	12/05/2019 19:02	S19120520.D
Trichloroethene	79-01-6	<10		10	12/05/2019 19:02	S19120520.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 19:02	S19120520.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 19:02	S19120520.D
Toluene	108-88-3	<25		25	12/05/2019 19:02	S19120520.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 19:02	S19120520.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 19:02	S19120520.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 19:02	S19120520.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 19:02	S19120520.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 19:02	S19120520.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 19:02	S19120520.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 19:02	S19120520.D
o-Xylene	95-47-6	<25		25	12/05/2019 19:02	S19120520.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 19:02	S19120520.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 19:02	S19120520.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 19:02	S19120520.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 19:02	S19120520.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 19:02	S19120520.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 19:02	S19120520.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 19:02	S19120520.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 19:02	S19120520.D
Naphthalene	91-20-3	<25		25	12/05/2019 19:02	S19120520.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 19:02	S19120520.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 19:02	S19120520.D
≤TPH C4-C9		<5,000		5000	12/05/2019 19:02	S19120520.D
≤TPH C10-C15		<5,000		5000	12/05/2019 19:02	S19120520.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-14 **SA-SB-14-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 19:44	S19120522.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 19:44	S19120522.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 19:44	S19120522.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 19:44	S19120522.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 19:44	S19120522.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 19:44	S19120522.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 19:44	S19120522.D
Chloroform	67-66-3	<10		10	12/05/2019 19:44	S19120522.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 19:44	S19120522.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 19:44	S19120522.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 19:44	S19120522.D
Benzene	71-43-2	**29**		25	12/05/2019 19:44	S19120522.D
Trichloroethene	79-01-6	<10		10	12/05/2019 19:44	S19120522.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 19:44	S19120522.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 19:44	S19120522.D
Toluene	108-88-3	<25		25	12/05/2019 19:44	S19120522.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 19:44	S19120522.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 19:44	S19120522.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 19:44	S19120522.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 19:44	S19120522.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 19:44	S19120522.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 19:44	S19120522.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 19:44	S19120522.D
o-Xylene	95-47-6	<25		25	12/05/2019 19:44	S19120522.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 19:44	S19120522.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 19:44	S19120522.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 19:44	S19120522.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 19:44	S19120522.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 19:44	S19120522.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 19:44	S19120522.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 19:44	S19120522.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 19:44	S19120522.D
Naphthalene	91-20-3	<25		25	12/05/2019 19:44	S19120522.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 19:44	S19120522.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 19:44	S19120522.D
≤TPH C4-C9		<5,000		5000	12/05/2019 19:44	S19120522.D
≤TPH C10-C15		<5,000		5000	12/05/2019 19:44	S19120522.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-15

SA-SB-15-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 20:05	S19120523.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 20:05	S19120523.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 20:05	S19120523.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 20:05	S19120523.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 20:05	S19120523.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 20:05	S19120523.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 20:05	S19120523.D
Chloroform	67-66-3	<10		10	12/05/2019 20:05	S19120523.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 20:05	S19120523.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 20:05	S19120523.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 20:05	S19120523.D
Benzene	71-43-2	<25		25	12/05/2019 20:05	S19120523.D
Trichloroethene	79-01-6	<10		10	12/05/2019 20:05	S19120523.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 20:05	S19120523.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 20:05	S19120523.D
Toluene	108-88-3	<25		25	12/05/2019 20:05	S19120523.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 20:05	S19120523.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 20:05	S19120523.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 20:05	S19120523.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 20:05	S19120523.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 20:05	S19120523.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 20:05	S19120523.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 20:05	S19120523.D
o-Xylene	95-47-6	<25		25	12/05/2019 20:05	S19120523.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 20:05	S19120523.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 20:05	S19120523.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 20:05	S19120523.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 20:05	S19120523.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 20:05	S19120523.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 20:05	S19120523.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 20:05	S19120523.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 20:05	S19120523.D
Naphthalene	91-20-3	<25		25	12/05/2019 20:05	S19120523.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 20:05	S19120523.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 20:05	S19120523.D
∑TPH C4-C9		<5,000		5000	12/05/2019 20:05	S19120523.D
∑TPH C10-C15		<5,000		5000	12/05/2019 20:05	S19120523.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-16 **SA-SB-16-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 20:26	S19120524.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 20:26	S19120524.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 20:26	S19120524.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 20:26	S19120524.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 20:26	S19120524.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 20:26	S19120524.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 20:26	S19120524.D
Chloroform	67-66-3	<10		10	12/05/2019 20:26	S19120524.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 20:26	S19120524.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 20:26	S19120524.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 20:26	S19120524.D
Benzene	71-43-2	<25		25	12/05/2019 20:26	S19120524.D
Trichloroethene	79-01-6	<10		10	12/05/2019 20:26	S19120524.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 20:26	S19120524.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 20:26	S19120524.D
Toluene	108-88-3	<25		25	12/05/2019 20:26	S19120524.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 20:26	S19120524.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 20:26	S19120524.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 20:26	S19120524.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 20:26	S19120524.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 20:26	S19120524.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 20:26	S19120524.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 20:26	S19120524.D
o-Xylene	95-47-6	<25		25	12/05/2019 20:26	S19120524.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 20:26	S19120524.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 20:26	S19120524.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 20:26	S19120524.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 20:26	S19120524.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 20:26	S19120524.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 20:26	S19120524.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 20:26	S19120524.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 20:26	S19120524.D
Naphthalene	91-20-3	<25		25	12/05/2019 20:26	S19120524.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 20:26	S19120524.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 20:26	S19120524.D
∑TPH C4-C9		<5,000		5000	12/05/2019 20:26	S19120524.D
∑TPH C10-C15		<5,000		5000	12/05/2019 20:26	S19120524.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-17 **SA-SB-17-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 20:48	S19120525.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 20:48	S19120525.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 20:48	S19120525.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 20:48	S19120525.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 20:48	S19120525.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 20:48	S19120525.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 20:48	S19120525.D
Chloroform	67-66-3	<10		10	12/05/2019 20:48	S19120525.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 20:48	S19120525.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 20:48	S19120525.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 20:48	S19120525.D
Benzene	71-43-2	**25**		25	12/05/2019 20:48	S19120525.D
Trichloroethene	79-01-6	<10		10	12/05/2019 20:48	S19120525.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 20:48	S19120525.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 20:48	S19120525.D
Toluene	108-88-3	<25		25	12/05/2019 20:48	S19120525.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 20:48	S19120525.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 20:48	S19120525.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 20:48	S19120525.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 20:48	S19120525.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 20:48	S19120525.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 20:48	S19120525.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 20:48	S19120525.D
o-Xylene	95-47-6	<25		25	12/05/2019 20:48	S19120525.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 20:48	S19120525.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 20:48	S19120525.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 20:48	S19120525.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 20:48	S19120525.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 20:48	S19120525.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 20:48	S19120525.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 20:48	S19120525.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 20:48	S19120525.D
Naphthalene	91-20-3	<25		25	12/05/2019 20:48	S19120525.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 20:48	S19120525.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 20:48	S19120525.D
⸸**TPH C4-C9**		**5,280**		5000	12/05/2019 20:48	S19120525.D
⸸TPH C10-C15		<5,000		5000	12/05/2019 20:48	S19120525.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-18

SA-SB-18-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 21:09	S19120526.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 21:09	S19120526.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 21:09	S19120526.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 21:09	S19120526.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 21:09	S19120526.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 21:09	S19120526.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 21:09	S19120526.D
Chloroform	67-66-3	<10		10	12/05/2019 21:09	S19120526.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 21:09	S19120526.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 21:09	S19120526.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 21:09	S19120526.D
Benzene	71-43-2	**62**		25	12/05/2019 21:09	S19120526.D
Trichloroethene	79-01-6	<10		10	12/05/2019 21:09	S19120526.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 21:09	S19120526.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 21:09	S19120526.D
Toluene	108-88-3	<25		25	12/05/2019 21:09	S19120526.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 21:09	S19120526.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 21:09	S19120526.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 21:09	S19120526.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 21:09	S19120526.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 21:09	S19120526.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 21:09	S19120526.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 21:09	S19120526.D
o-Xylene	95-47-6	<25		25	12/05/2019 21:09	S19120526.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 21:09	S19120526.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 21:09	S19120526.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 21:09	S19120526.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 21:09	S19120526.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 21:09	S19120526.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 21:09	S19120526.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 21:09	S19120526.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 21:09	S19120526.D
Naphthalene	91-20-3	<25		25	12/05/2019 21:09	S19120526.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 21:09	S19120526.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 21:09	S19120526.D
⁽⁾**TPH C4-C9**		**6,160**		5000	12/05/2019 21:09	S19120526.D
⁽⁾TPH C10-C15		<5,000		5000	12/05/2019 21:09	S19120526.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-19 **SA-SB-19-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 21:30	S19120527.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 21:30	S19120527.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 21:30	S19120527.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 21:30	S19120527.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 21:30	S19120527.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 21:30	S19120527.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 21:30	S19120527.D
Chloroform	67-66-3	<10		10	12/05/2019 21:30	S19120527.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 21:30	S19120527.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 21:30	S19120527.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 21:30	S19120527.D
Benzene	71-43-2	<25		25	12/05/2019 21:30	S19120527.D
Trichloroethene	79-01-6	<10		10	12/05/2019 21:30	S19120527.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 21:30	S19120527.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 21:30	S19120527.D
Toluene	108-88-3	<25		25	12/05/2019 21:30	S19120527.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 21:30	S19120527.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 21:30	S19120527.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 21:30	S19120527.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 21:30	S19120527.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 21:30	S19120527.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 21:30	S19120527.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 21:30	S19120527.D
o-Xylene	95-47-6	<25		25	12/05/2019 21:30	S19120527.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 21:30	S19120527.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 21:30	S19120527.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 21:30	S19120527.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 21:30	S19120527.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 21:30	S19120527.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 21:30	S19120527.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 21:30	S19120527.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 21:30	S19120527.D
Naphthalene	91-20-3	<25		25	12/05/2019 21:30	S19120527.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 21:30	S19120527.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 21:30	S19120527.D
∑TPH C4-C9		<5,000		5000	12/05/2019 21:30	S19120527.D
∑TPH C10-C15		<5,000		5000	12/05/2019 21:30	S19120527.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-20 **SA-SB-20-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 21:51	S19120528.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 21:51	S19120528.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 21:51	S19120528.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 21:51	S19120528.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 21:51	S19120528.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 21:51	S19120528.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 21:51	S19120528.D
Chloroform	67-66-3	<10		10	12/05/2019 21:51	S19120528.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 21:51	S19120528.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 21:51	S19120528.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 21:51	S19120528.D
Benzene	71-43-2	**60**		25	12/05/2019 21:51	S19120528.D
Trichloroethene	79-01-6	<10		10	12/05/2019 21:51	S19120528.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 21:51	S19120528.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 21:51	S19120528.D
Toluene	108-88-3	<25		25	12/05/2019 21:51	S19120528.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 21:51	S19120528.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 21:51	S19120528.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 21:51	S19120528.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 21:51	S19120528.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 21:51	S19120528.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 21:51	S19120528.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 21:51	S19120528.D
o-Xylene	95-47-6	<25		25	12/05/2019 21:51	S19120528.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 21:51	S19120528.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 21:51	S19120528.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 21:51	S19120528.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 21:51	S19120528.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 21:51	S19120528.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 21:51	S19120528.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 21:51	S19120528.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 21:51	S19120528.D
Naphthalene	91-20-3	<25		25	12/05/2019 21:51	S19120528.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 21:51	S19120528.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 21:51	S19120528.D
TPH C4-C9		<5,000		5000	12/05/2019 21:51	S19120528.D
TPH C10-C15		<5,000		5000	12/05/2019 21:51	S19120528.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-21 **SA-SB-21-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 22:12	S19120529.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 22:12	S19120529.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 22:12	S19120529.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 22:12	S19120529.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 22:12	S19120529.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 22:12	S19120529.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 22:12	S19120529.D
Chloroform	67-66-3	<10		10	12/05/2019 22:12	S19120529.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 22:12	S19120529.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 22:12	S19120529.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 22:12	S19120529.D
Benzene	71-43-2	**26**		25	12/05/2019 22:12	S19120529.D
Trichloroethene	79-01-6	<10		10	12/05/2019 22:12	S19120529.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 22:12	S19120529.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 22:12	S19120529.D
Toluene	108-88-3	<25		25	12/05/2019 22:12	S19120529.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 22:12	S19120529.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 22:12	S19120529.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 22:12	S19120529.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 22:12	S19120529.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 22:12	S19120529.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 22:12	S19120529.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 22:12	S19120529.D
o-Xylene	95-47-6	<25		25	12/05/2019 22:12	S19120529.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 22:12	S19120529.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 22:12	S19120529.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 22:12	S19120529.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 22:12	S19120529.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 22:12	S19120529.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 22:12	S19120529.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 22:12	S19120529.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 22:12	S19120529.D
Naphthalene	91-20-3	<25		25	12/05/2019 22:12	S19120529.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 22:12	S19120529.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 22:12	S19120529.D
≤TPH C4-C9		<5,000		5000	12/05/2019 22:12	S19120529.D
≤TPH C10-C15		<5,000		5000	12/05/2019 22:12	S19120529.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-22 **SA-SB-22-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 22:33	S19120530.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 22:33	S19120530.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 22:33	S19120530.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 22:33	S19120530.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 22:33	S19120530.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 22:33	S19120530.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 22:33	S19120530.D
Chloroform	67-66-3	<10		10	12/05/2019 22:33	S19120530.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 22:33	S19120530.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 22:33	S19120530.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 22:33	S19120530.D
Benzene	71-43-2	**34**		25	12/05/2019 22:33	S19120530.D
Trichloroethene	79-01-6	<10		10	12/05/2019 22:33	S19120530.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 22:33	S19120530.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 22:33	S19120530.D
Toluene	108-88-3	<25		25	12/05/2019 22:33	S19120530.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 22:33	S19120530.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 22:33	S19120530.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 22:33	S19120530.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 22:33	S19120530.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 22:33	S19120530.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 22:33	S19120530.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 22:33	S19120530.D
o-Xylene	95-47-6	<25		25	12/05/2019 22:33	S19120530.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 22:33	S19120530.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 22:33	S19120530.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 22:33	S19120530.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 22:33	S19120530.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 22:33	S19120530.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 22:33	S19120530.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 22:33	S19120530.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 22:33	S19120530.D
Naphthalene	91-20-3	<25		25	12/05/2019 22:33	S19120530.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 22:33	S19120530.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 22:33	S19120530.D
≤TPH C4-C9		<5,000		5000	12/05/2019 22:33	S19120530.D
≤TPH C10-C15		<5,000		5000	12/05/2019 22:33	S19120530.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-23 **SA-SB-23-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 22:54	S19120531.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 22:54	S19120531.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 22:54	S19120531.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 22:54	S19120531.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 22:54	S19120531.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 22:54	S19120531.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 22:54	S19120531.D
Chloroform	67-66-3	<10		10	12/05/2019 22:54	S19120531.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 22:54	S19120531.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 22:54	S19120531.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 22:54	S19120531.D
Benzene	71-43-2	<25		25	12/05/2019 22:54	S19120531.D
Trichloroethene	79-01-6	<10		10	12/05/2019 22:54	S19120531.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 22:54	S19120531.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 22:54	S19120531.D
Toluene	108-88-3	<25		25	12/05/2019 22:54	S19120531.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 22:54	S19120531.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 22:54	S19120531.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 22:54	S19120531.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 22:54	S19120531.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 22:54	S19120531.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 22:54	S19120531.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 22:54	S19120531.D
o-Xylene	95-47-6	<25		25	12/05/2019 22:54	S19120531.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 22:54	S19120531.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 22:54	S19120531.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 22:54	S19120531.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 22:54	S19120531.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 22:54	S19120531.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 22:54	S19120531.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 22:54	S19120531.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 22:54	S19120531.D
Naphthalene	91-20-3	<25		25	12/05/2019 22:54	S19120531.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 22:54	S19120531.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 22:54	S19120531.D
∑TPH C4-C9		<5,000		5000	12/05/2019 22:54	S19120531.D
∑TPH C10-C15		<5,000		5000	12/05/2019 22:54	S19120531.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-24

SA-SB-24-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 23:15	S19120532.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 23:15	S19120532.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 23:15	S19120532.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 23:15	S19120532.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 23:15	S19120532.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 23:15	S19120532.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 23:15	S19120532.D
Chloroform	67-66-3	<10		10	12/05/2019 23:15	S19120532.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 23:15	S19120532.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 23:15	S19120532.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 23:15	S19120532.D
Benzene	71-43-2	<25		25	12/05/2019 23:15	S19120532.D
Trichloroethene	79-01-6	<10		10	12/05/2019 23:15	S19120532.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 23:15	S19120532.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 23:15	S19120532.D
Toluene	108-88-3	<25		25	12/05/2019 23:15	S19120532.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 23:15	S19120532.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 23:15	S19120532.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 23:15	S19120532.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 23:15	S19120532.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 23:15	S19120532.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 23:15	S19120532.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 23:15	S19120532.D
o-Xylene	95-47-6	<25		25	12/05/2019 23:15	S19120532.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 23:15	S19120532.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 23:15	S19120532.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 23:15	S19120532.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 23:15	S19120532.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 23:15	S19120532.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 23:15	S19120532.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 23:15	S19120532.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 23:15	S19120532.D
Naphthalene	91-20-3	<25		25	12/05/2019 23:15	S19120532.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 23:15	S19120532.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 23:15	S19120532.D
∑TPH C4-C9		<5,000		5000	12/05/2019 23:15	S19120532.D
∑TPH C10-C15		<5,000		5000	12/05/2019 23:15	S19120532.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-25 **SA-SB-25-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 23:36	S19120533.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 23:36	S19120533.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 23:36	S19120533.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 23:36	S19120533.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 23:36	S19120533.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 23:36	S19120533.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 23:36	S19120533.D
Chloroform	67-66-3	<10		10	12/05/2019 23:36	S19120533.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 23:36	S19120533.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 23:36	S19120533.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 23:36	S19120533.D
Benzene	71-43-2	**28**		25	12/05/2019 23:36	S19120533.D
Trichloroethene	79-01-6	<10		10	12/05/2019 23:36	S19120533.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 23:36	S19120533.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 23:36	S19120533.D
Toluene	108-88-3	<25		25	12/05/2019 23:36	S19120533.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 23:36	S19120533.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 23:36	S19120533.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 23:36	S19120533.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 23:36	S19120533.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 23:36	S19120533.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 23:36	S19120533.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 23:36	S19120533.D
o-Xylene	95-47-6	<25		25	12/05/2019 23:36	S19120533.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 23:36	S19120533.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 23:36	S19120533.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 23:36	S19120533.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 23:36	S19120533.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 23:36	S19120533.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 23:36	S19120533.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 23:36	S19120533.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 23:36	S19120533.D
Naphthalene	91-20-3	<25		25	12/05/2019 23:36	S19120533.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 23:36	S19120533.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 23:36	S19120533.D
≤TPH C4-C9		<5,000		5000	12/05/2019 23:36	S19120533.D
≤TPH C10-C15		<5,000		5000	12/05/2019 23:36	S19120533.D

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1.410.838.8780

CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-26 **SA-SB-26-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 23:57	S19120534.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 23:57	S19120534.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 23:57	S19120534.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 23:57	S19120534.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 23:57	S19120534.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 23:57	S19120534.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 23:57	S19120534.D
Chloroform	67-66-3	<10		10	12/05/2019 23:57	S19120534.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 23:57	S19120534.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 23:57	S19120534.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 23:57	S19120534.D
Benzene	71-43-2	<25		25	12/05/2019 23:57	S19120534.D
Trichloroethene	79-01-6	<10		10	12/05/2019 23:57	S19120534.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 23:57	S19120534.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 23:57	S19120534.D
Toluene	108-88-3	<25		25	12/05/2019 23:57	S19120534.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 23:57	S19120534.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 23:57	S19120534.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 23:57	S19120534.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 23:57	S19120534.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 23:57	S19120534.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 23:57	S19120534.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 23:57	S19120534.D
o-Xylene	95-47-6	<25		25	12/05/2019 23:57	S19120534.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 23:57	S19120534.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 23:57	S19120534.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 23:57	S19120534.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 23:57	S19120534.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 23:57	S19120534.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 23:57	S19120534.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 23:57	S19120534.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 23:57	S19120534.D
Naphthalene	91-20-3	<25		25	12/05/2019 23:57	S19120534.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 23:57	S19120534.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 23:57	S19120534.D
∑TPH C4-C9		<5,000		5000	12/05/2019 23:57	S19120534.D
∑TPH C10-C15		<5,000		5000	12/05/2019 23:57	S19120534.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-27 **SA-SB-27-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 00:19	S19120535.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 00:19	S19120535.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 00:19	S19120535.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 00:19	S19120535.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 00:19	S19120535.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 00:19	S19120535.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 00:19	S19120535.D
Chloroform	67-66-3	<10		10	12/06/2019 00:19	S19120535.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 00:19	S19120535.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 00:19	S19120535.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 00:19	S19120535.D
Benzene	71-43-2	**29**		25	12/06/2019 00:19	S19120535.D
Trichloroethene	79-01-6	<10		10	12/06/2019 00:19	S19120535.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 00:19	S19120535.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 00:19	S19120535.D
Toluene	108-88-3	**79**		25	12/06/2019 00:19	S19120535.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 00:19	S19120535.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 00:19	S19120535.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 00:19	S19120535.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 00:19	S19120535.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 00:19	S19120535.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 00:19	S19120535.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 00:19	S19120535.D
o-Xylene	95-47-6	<25		25	12/06/2019 00:19	S19120535.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 00:19	S19120535.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 00:19	S19120535.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 00:19	S19120535.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 00:19	S19120535.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 00:19	S19120535.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 00:19	S19120535.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 00:19	S19120535.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 00:19	S19120535.D
Naphthalene	91-20-3	<25		25	12/06/2019 00:19	S19120535.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 00:19	S19120535.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 00:19	S19120535.D
≤TPH C4-C9		<5,000		5000	12/06/2019 00:19	S19120535.D
≤TPH C10-C15		<5,000		5000	12/06/2019 00:19	S19120535.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-28 **SA-SB-28-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 00:40	S19120536.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 00:40	S19120536.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 00:40	S19120536.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 00:40	S19120536.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 00:40	S19120536.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 00:40	S19120536.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 00:40	S19120536.D
Chloroform	67-66-3	<10		10	12/06/2019 00:40	S19120536.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 00:40	S19120536.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 00:40	S19120536.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 00:40	S19120536.D
Benzene	71-43-2	**26**		25	12/06/2019 00:40	S19120536.D
Trichloroethene	79-01-6	<10		10	12/06/2019 00:40	S19120536.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 00:40	S19120536.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 00:40	S19120536.D
Toluene	108-88-3	<25		25	12/06/2019 00:40	S19120536.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 00:40	S19120536.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 00:40	S19120536.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 00:40	S19120536.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 00:40	S19120536.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 00:40	S19120536.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 00:40	S19120536.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 00:40	S19120536.D
o-Xylene	95-47-6	<25		25	12/06/2019 00:40	S19120536.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 00:40	S19120536.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 00:40	S19120536.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 00:40	S19120536.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 00:40	S19120536.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 00:40	S19120536.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 00:40	S19120536.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 00:40	S19120536.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 00:40	S19120536.D
Naphthalene	91-20-3	<25		25	12/06/2019 00:40	S19120536.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 00:40	S19120536.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 00:40	S19120536.D
≤TPH C4-C9		<5,000		5000	12/06/2019 00:40	S19120536.D
≤TPH C10-C15		<5,000		5000	12/06/2019 00:40	S19120536.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-29 **SA-SB-29-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 01:01	S19120537.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 01:01	S19120537.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 01:01	S19120537.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 01:01	S19120537.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 01:01	S19120537.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 01:01	S19120537.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 01:01	S19120537.D
Chloroform	67-66-3	<10		10	12/06/2019 01:01	S19120537.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 01:01	S19120537.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 01:01	S19120537.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 01:01	S19120537.D
Benzene	71-43-2	<25		25	12/06/2019 01:01	S19120537.D
Trichloroethene	79-01-6	<10		10	12/06/2019 01:01	S19120537.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 01:01	S19120537.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 01:01	S19120537.D
Toluene	108-88-3	<25		25	12/06/2019 01:01	S19120537.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 01:01	S19120537.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 01:01	S19120537.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 01:01	S19120537.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 01:01	S19120537.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 01:01	S19120537.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 01:01	S19120537.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 01:01	S19120537.D
o-Xylene	95-47-6	<25		25	12/06/2019 01:01	S19120537.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 01:01	S19120537.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 01:01	S19120537.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 01:01	S19120537.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 01:01	S19120537.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 01:01	S19120537.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 01:01	S19120537.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 01:01	S19120537.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 01:01	S19120537.D
Naphthalene	91-20-3	<25		25	12/06/2019 01:01	S19120537.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 01:01	S19120537.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 01:01	S19120537.D
∑TPH C4-C9		<5,000		5000	12/06/2019 01:01	S19120537.D
∑TPH C10-C15		<5,000		5000	12/06/2019 01:01	S19120537.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-30

SA-SB-30-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 01:22	S19120538.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 01:22	S19120538.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 01:22	S19120538.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 01:22	S19120538.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 01:22	S19120538.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 01:22	S19120538.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 01:22	S19120538.D
Chloroform	67-66-3	<10		10	12/06/2019 01:22	S19120538.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 01:22	S19120538.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 01:22	S19120538.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 01:22	S19120538.D
Benzene	71-43-2	**29**		25	12/06/2019 01:22	S19120538.D
Trichloroethene	79-01-6	<10		10	12/06/2019 01:22	S19120538.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 01:22	S19120538.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 01:22	S19120538.D
Toluene	108-88-3	**34**		25	12/06/2019 01:22	S19120538.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 01:22	S19120538.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 01:22	S19120538.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 01:22	S19120538.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 01:22	S19120538.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 01:22	S19120538.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 01:22	S19120538.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 01:22	S19120538.D
o-Xylene	95-47-6	<25		25	12/06/2019 01:22	S19120538.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 01:22	S19120538.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 01:22	S19120538.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 01:22	S19120538.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 01:22	S19120538.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 01:22	S19120538.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 01:22	S19120538.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 01:22	S19120538.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 01:22	S19120538.D
Naphthalene	91-20-3	<25		25	12/06/2019 01:22	S19120538.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 01:22	S19120538.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 01:22	S19120538.D
≤TPH C4-C9		<5,000		5000	12/06/2019 01:22	S19120538.D
≤TPH C10-C15		<5,000		5000	12/06/2019 01:22	S19120538.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-31

SA-SB-31-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 01:43	S19120539.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 01:43	S19120539.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 01:43	S19120539.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 01:43	S19120539.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 01:43	S19120539.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 01:43	S19120539.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 01:43	S19120539.D
Chloroform	67-66-3	<10		10	12/06/2019 01:43	S19120539.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 01:43	S19120539.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 01:43	S19120539.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 01:43	S19120539.D
Benzene	71-43-2	<25		25	12/06/2019 01:43	S19120539.D
Trichloroethene	79-01-6	<10		10	12/06/2019 01:43	S19120539.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 01:43	S19120539.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 01:43	S19120539.D
Toluene	108-88-3	<25		25	12/06/2019 01:43	S19120539.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 01:43	S19120539.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 01:43	S19120539.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 01:43	S19120539.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 01:43	S19120539.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 01:43	S19120539.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 01:43	S19120539.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 01:43	S19120539.D
o-Xylene	95-47-6	<25		25	12/06/2019 01:43	S19120539.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 01:43	S19120539.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 01:43	S19120539.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 01:43	S19120539.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 01:43	S19120539.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 01:43	S19120539.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 01:43	S19120539.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 01:43	S19120539.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 01:43	S19120539.D
Naphthalene	91-20-3	<25		25	12/06/2019 01:43	S19120539.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 01:43	S19120539.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 01:43	S19120539.D
∑TPH C4-C9		<5,000		5000	12/06/2019 01:43	S19120539.D
∑TPH C10-C15		<5,000		5000	12/06/2019 01:43	S19120539.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-32 **SA-SB-32-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 02:04	S19120540.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 02:04	S19120540.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 02:04	S19120540.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 02:04	S19120540.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 02:04	S19120540.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 02:04	S19120540.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 02:04	S19120540.D
Chloroform	67-66-3	<10		10	12/06/2019 02:04	S19120540.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 02:04	S19120540.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 02:04	S19120540.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 02:04	S19120540.D
Benzene	71-43-2	<25		25	12/06/2019 02:04	S19120540.D
Trichloroethene	79-01-6	<10		10	12/06/2019 02:04	S19120540.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 02:04	S19120540.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 02:04	S19120540.D
Toluene	108-88-3	<25		25	12/06/2019 02:04	S19120540.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 02:04	S19120540.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 02:04	S19120540.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 02:04	S19120540.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 02:04	S19120540.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 02:04	S19120540.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 02:04	S19120540.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 02:04	S19120540.D
o-Xylene	95-47-6	<25		25	12/06/2019 02:04	S19120540.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 02:04	S19120540.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 02:04	S19120540.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 02:04	S19120540.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 02:04	S19120540.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 02:04	S19120540.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 02:04	S19120540.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 02:04	S19120540.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 02:04	S19120540.D
Naphthalene	91-20-3	<25		25	12/06/2019 02:04	S19120540.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 02:04	S19120540.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 02:04	S19120540.D
∑TPH C4-C9		<5,000		5000	12/06/2019 02:04	S19120540.D
∑TPH C10-C15		<5,000		5000	12/06/2019 02:04	S19120540.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-33 **SA-SB-33-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 02:25	S19120541.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 02:25	S19120541.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 02:25	S19120541.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 02:25	S19120541.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 02:25	S19120541.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 02:25	S19120541.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 02:25	S19120541.D
Chloroform	67-66-3	<10		10	12/06/2019 02:25	S19120541.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 02:25	S19120541.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 02:25	S19120541.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 02:25	S19120541.D
Benzene	71-43-2	<25		25	12/06/2019 02:25	S19120541.D
Trichloroethene	79-01-6	<10		10	12/06/2019 02:25	S19120541.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 02:25	S19120541.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 02:25	S19120541.D
Toluene	108-88-3	<25		25	12/06/2019 02:25	S19120541.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 02:25	S19120541.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 02:25	S19120541.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 02:25	S19120541.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 02:25	S19120541.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 02:25	S19120541.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 02:25	S19120541.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 02:25	S19120541.D
o-Xylene	95-47-6	<25		25	12/06/2019 02:25	S19120541.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 02:25	S19120541.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 02:25	S19120541.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 02:25	S19120541.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 02:25	S19120541.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 02:25	S19120541.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 02:25	S19120541.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 02:25	S19120541.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 02:25	S19120541.D
Naphthalene	91-20-3	<25		25	12/06/2019 02:25	S19120541.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 02:25	S19120541.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 02:25	S19120541.D
∑TPH C4-C9		<5,000		5000	12/06/2019 02:25	S19120541.D
∑TPH C10-C15		<5,000		5000	12/06/2019 02:25	S19120541.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-34 **SA-SB-34-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 02:46	S19120542.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 02:46	S19120542.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 02:46	S19120542.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 02:46	S19120542.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 02:46	S19120542.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 02:46	S19120542.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 02:46	S19120542.D
Chloroform	67-66-3	<10		10	12/06/2019 02:46	S19120542.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 02:46	S19120542.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 02:46	S19120542.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 02:46	S19120542.D
Benzene	71-43-2	<25		25	12/06/2019 02:46	S19120542.D
Trichloroethene	79-01-6	<10		10	12/06/2019 02:46	S19120542.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 02:46	S19120542.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 02:46	S19120542.D
Toluene	108-88-3	<25		25	12/06/2019 02:46	S19120542.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 02:46	S19120542.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 02:46	S19120542.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 02:46	S19120542.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 02:46	S19120542.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 02:46	S19120542.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 02:46	S19120542.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 02:46	S19120542.D
o-Xylene	95-47-6	<25		25	12/06/2019 02:46	S19120542.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 02:46	S19120542.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 02:46	S19120542.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 02:46	S19120542.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 02:46	S19120542.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 02:46	S19120542.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 02:46	S19120542.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 02:46	S19120542.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 02:46	S19120542.D
Naphthalene	91-20-3	<25		25	12/06/2019 02:46	S19120542.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 02:46	S19120542.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 02:46	S19120542.D
∑TPH C4-C9		<5,000		5000	12/06/2019 02:46	S19120542.D
∑TPH C10-C15		<5,000		5000	12/06/2019 02:46	S19120542.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-35

SA-SB-35-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 03:07	S19120543.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 03:07	S19120543.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 03:07	S19120543.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 03:07	S19120543.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 03:07	S19120543.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 03:07	S19120543.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 03:07	S19120543.D
Chloroform	67-66-3	<10		10	12/06/2019 03:07	S19120543.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 03:07	S19120543.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 03:07	S19120543.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 03:07	S19120543.D
Benzene	71-43-2	**42**		25	12/06/2019 03:07	S19120543.D
Trichloroethene	79-01-6	<10		10	12/06/2019 03:07	S19120543.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 03:07	S19120543.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 03:07	S19120543.D
Toluene	108-88-3	<25		25	12/06/2019 03:07	S19120543.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 03:07	S19120543.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 03:07	S19120543.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 03:07	S19120543.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 03:07	S19120543.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 03:07	S19120543.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 03:07	S19120543.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 03:07	S19120543.D
o-Xylene	95-47-6	<25		25	12/06/2019 03:07	S19120543.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 03:07	S19120543.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 03:07	S19120543.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 03:07	S19120543.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 03:07	S19120543.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 03:07	S19120543.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 03:07	S19120543.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 03:07	S19120543.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 03:07	S19120543.D
Naphthalene	91-20-3	<25		25	12/06/2019 03:07	S19120543.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 03:07	S19120543.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 03:07	S19120543.D
⸸**TPH C4-C9**		**12,000**		5000	12/06/2019 03:07	S19120543.D
⸸TPH C10-C15		<5,000		5000	12/06/2019 03:07	S19120543.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-36 **SA-SB-36-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 03:28	S19120544.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 03:28	S19120544.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 03:28	S19120544.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 03:28	S19120544.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 03:28	S19120544.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 03:28	S19120544.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 03:28	S19120544.D
Chloroform	67-66-3	<10		10	12/06/2019 03:28	S19120544.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 03:28	S19120544.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 03:28	S19120544.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 03:28	S19120544.D
Benzene	71-43-2	<25		25	12/06/2019 03:28	S19120544.D
Trichloroethene	79-01-6	<10		10	12/06/2019 03:28	S19120544.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 03:28	S19120544.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 03:28	S19120544.D
Toluene	108-88-3	<25		25	12/06/2019 03:28	S19120544.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 03:28	S19120544.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 03:28	S19120544.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 03:28	S19120544.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 03:28	S19120544.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 03:28	S19120544.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 03:28	S19120544.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 03:28	S19120544.D
o-Xylene	95-47-6	<25		25	12/06/2019 03:28	S19120544.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 03:28	S19120544.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 03:28	S19120544.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 03:28	S19120544.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 03:28	S19120544.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 03:28	S19120544.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 03:28	S19120544.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 03:28	S19120544.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 03:28	S19120544.D
Naphthalene	91-20-3	<25		25	12/06/2019 03:28	S19120544.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 03:28	S19120544.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 03:28	S19120544.D
∑TPH C4-C9		<5,000		5000	12/06/2019 03:28	S19120544.D
∑TPH C10-C15		<5,000		5000	12/06/2019 03:28	S19120544.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-37 **SA-SB-37-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 03:49	S19120545.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 03:49	S19120545.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 03:49	S19120545.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 03:49	S19120545.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 03:49	S19120545.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 03:49	S19120545.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 03:49	S19120545.D
Chloroform	67-66-3	<10		10	12/06/2019 03:49	S19120545.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 03:49	S19120545.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 03:49	S19120545.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 03:49	S19120545.D
Benzene	71-43-2	<25		25	12/06/2019 03:49	S19120545.D
Trichloroethene	79-01-6	<10		10	12/06/2019 03:49	S19120545.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 03:49	S19120545.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 03:49	S19120545.D
Toluene	108-88-3	<25		25	12/06/2019 03:49	S19120545.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 03:49	S19120545.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 03:49	S19120545.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 03:49	S19120545.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 03:49	S19120545.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 03:49	S19120545.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 03:49	S19120545.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 03:49	S19120545.D
o-Xylene	95-47-6	<25		25	12/06/2019 03:49	S19120545.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 03:49	S19120545.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 03:49	S19120545.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 03:49	S19120545.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 03:49	S19120545.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 03:49	S19120545.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 03:49	S19120545.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 03:49	S19120545.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 03:49	S19120545.D
Naphthalene	91-20-3	<25		25	12/06/2019 03:49	S19120545.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 03:49	S19120545.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 03:49	S19120545.D
℮TPH C4-C9		<5,000		5000	12/06/2019 03:49	S19120545.D
℮TPH C10-C15		**9,140**		5000	12/06/2019 03:49	S19120545.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-38 **SA-SB-38-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 04:10	S19120546.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 04:10	S19120546.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 04:10	S19120546.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 04:10	S19120546.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 04:10	S19120546.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 04:10	S19120546.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 04:10	S19120546.D
Chloroform	67-66-3	<10		10	12/06/2019 04:10	S19120546.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 04:10	S19120546.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 04:10	S19120546.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 04:10	S19120546.D
Benzene	71-43-2	<25		25	12/06/2019 04:10	S19120546.D
Trichloroethene	79-01-6	<10		10	12/06/2019 04:10	S19120546.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 04:10	S19120546.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 04:10	S19120546.D
Toluene	108-88-3	**29**		25	12/06/2019 04:10	S19120546.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 04:10	S19120546.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 04:10	S19120546.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 04:10	S19120546.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 04:10	S19120546.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 04:10	S19120546.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 04:10	S19120546.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 04:10	S19120546.D
o-Xylene	95-47-6	<25		25	12/06/2019 04:10	S19120546.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 04:10	S19120546.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 04:10	S19120546.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 04:10	S19120546.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 04:10	S19120546.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 04:10	S19120546.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 04:10	S19120546.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 04:10	S19120546.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 04:10	S19120546.D
Naphthalene	91-20-3	<25		25	12/06/2019 04:10	S19120546.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 04:10	S19120546.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 04:10	S19120546.D
⁽⁾TPH C4-C9		<5,000		5000	12/06/2019 04:10	S19120546.D
⁽⁾TPH C10-C15		<5,000		5000	12/06/2019 04:10	S19120546.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-39 **SA-SB-39-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 04:31	S19120547.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 04:31	S19120547.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 04:31	S19120547.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 04:31	S19120547.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 04:31	S19120547.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 04:31	S19120547.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 04:31	S19120547.D
Chloroform	67-66-3	<10		10	12/06/2019 04:31	S19120547.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 04:31	S19120547.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 04:31	S19120547.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 04:31	S19120547.D
Benzene	71-43-2	<25		25	12/06/2019 04:31	S19120547.D
Trichloroethene	79-01-6	<10		10	12/06/2019 04:31	S19120547.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 04:31	S19120547.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 04:31	S19120547.D
Toluene	108-88-3	<25		25	12/06/2019 04:31	S19120547.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 04:31	S19120547.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 04:31	S19120547.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 04:31	S19120547.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 04:31	S19120547.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 04:31	S19120547.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 04:31	S19120547.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 04:31	S19120547.D
o-Xylene	95-47-6	<25		25	12/06/2019 04:31	S19120547.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 04:31	S19120547.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 04:31	S19120547.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 04:31	S19120547.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 04:31	S19120547.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 04:31	S19120547.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 04:31	S19120547.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 04:31	S19120547.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 04:31	S19120547.D
Naphthalene	91-20-3	<25		25	12/06/2019 04:31	S19120547.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 04:31	S19120547.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 04:31	S19120547.D
∑TPH C4-C9		<5,000		5000	12/06/2019 04:31	S19120547.D
∑TPH C10-C15		<5,000		5000	12/06/2019 04:31	S19120547.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-40

SA-SB-40-GS-20191202

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 04:52	S19120548.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 04:52	S19120548.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 04:52	S19120548.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 04:52	S19120548.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 04:52	S19120548.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 04:52	S19120548.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 04:52	S19120548.D
Chloroform	67-66-3	<10		10	12/06/2019 04:52	S19120548.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 04:52	S19120548.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 04:52	S19120548.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 04:52	S19120548.D
Benzene	71-43-2	<25		25	12/06/2019 04:52	S19120548.D
Trichloroethene	79-01-6	<10		10	12/06/2019 04:52	S19120548.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 04:52	S19120548.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 04:52	S19120548.D
Toluene	108-88-3	<25		25	12/06/2019 04:52	S19120548.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 04:52	S19120548.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 04:52	S19120548.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 04:52	S19120548.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 04:52	S19120548.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 04:52	S19120548.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 04:52	S19120548.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 04:52	S19120548.D
o-Xylene	95-47-6	<25		25	12/06/2019 04:52	S19120548.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 04:52	S19120548.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 04:52	S19120548.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 04:52	S19120548.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 04:52	S19120548.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 04:52	S19120548.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 04:52	S19120548.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 04:52	S19120548.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 04:52	S19120548.D
Naphthalene	91-20-3	<25		25	12/06/2019 04:52	S19120548.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 04:52	S19120548.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 04:52	S19120548.D
∑TPH C4-C9		<5,000		5000	12/06/2019 04:52	S19120548.D
∑TPH C10-C15		<5,000		5000	12/06/2019 04:52	S19120548.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-41 **SA-SB-41-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 05:13	S19120549.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 05:13	S19120549.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 05:13	S19120549.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 05:13	S19120549.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 05:13	S19120549.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 05:13	S19120549.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 05:13	S19120549.D
Chloroform	67-66-3	<10		10	12/06/2019 05:13	S19120549.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 05:13	S19120549.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 05:13	S19120549.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 05:13	S19120549.D
Benzene	71-43-2	<25		25	12/06/2019 05:13	S19120549.D
Trichloroethene	79-01-6	<10		10	12/06/2019 05:13	S19120549.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 05:13	S19120549.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 05:13	S19120549.D
Toluene	108-88-3	**30**		25	12/06/2019 05:13	S19120549.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 05:13	S19120549.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 05:13	S19120549.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 05:13	S19120549.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 05:13	S19120549.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 05:13	S19120549.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 05:13	S19120549.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 05:13	S19120549.D
o-Xylene	95-47-6	<25		25	12/06/2019 05:13	S19120549.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 05:13	S19120549.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 05:13	S19120549.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 05:13	S19120549.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 05:13	S19120549.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 05:13	S19120549.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 05:13	S19120549.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 05:13	S19120549.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 05:13	S19120549.D
Naphthalene	91-20-3	<25		25	12/06/2019 05:13	S19120549.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 05:13	S19120549.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 05:13	S19120549.D
≤TPH C4-C9		<5,000		5000	12/06/2019 05:13	S19120549.D
≤TPH C10-C15		<5,000		5000	12/06/2019 05:13	S19120549.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-42 **SA-SB-42-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 05:34	S19120550.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 05:34	S19120550.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 05:34	S19120550.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 05:34	S19120550.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 05:34	S19120550.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 05:34	S19120550.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 05:34	S19120550.D
Chloroform	67-66-3	<10		10	12/06/2019 05:34	S19120550.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 05:34	S19120550.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 05:34	S19120550.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 05:34	S19120550.D
Benzene	71-43-2	<25		25	12/06/2019 05:34	S19120550.D
Trichloroethene	79-01-6	<10		10	12/06/2019 05:34	S19120550.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 05:34	S19120550.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 05:34	S19120550.D
Toluene	108-88-3	<25		25	12/06/2019 05:34	S19120550.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 05:34	S19120550.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 05:34	S19120550.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 05:34	S19120550.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 05:34	S19120550.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 05:34	S19120550.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 05:34	S19120550.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 05:34	S19120550.D
o-Xylene	95-47-6	<25		25	12/06/2019 05:34	S19120550.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 05:34	S19120550.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 05:34	S19120550.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 05:34	S19120550.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 05:34	S19120550.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 05:34	S19120550.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 05:34	S19120550.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 05:34	S19120550.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 05:34	S19120550.D
Naphthalene	91-20-3	<25		25	12/06/2019 05:34	S19120550.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 05:34	S19120550.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 05:34	S19120550.D
∑TPH C4-C9		<5,000		5000	12/06/2019 05:34	S19120550.D
∑TPH C10-C15		<5,000		5000	12/06/2019 05:34	S19120550.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-43 **SA-SB-43-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 05:55	S19120551.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 05:55	S19120551.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 05:55	S19120551.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 05:55	S19120551.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 05:55	S19120551.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 05:55	S19120551.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 05:55	S19120551.D
Chloroform	67-66-3	<10		10	12/06/2019 05:55	S19120551.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 05:55	S19120551.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 05:55	S19120551.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 05:55	S19120551.D
Benzene	71-43-2	<25		25	12/06/2019 05:55	S19120551.D
Trichloroethene	79-01-6	<10		10	12/06/2019 05:55	S19120551.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 05:55	S19120551.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 05:55	S19120551.D
Toluene	108-88-3	<25		25	12/06/2019 05:55	S19120551.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 05:55	S19120551.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 05:55	S19120551.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 05:55	S19120551.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 05:55	S19120551.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 05:55	S19120551.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 05:55	S19120551.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 05:55	S19120551.D
o-Xylene	95-47-6	<25		25	12/06/2019 05:55	S19120551.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 05:55	S19120551.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 05:55	S19120551.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 05:55	S19120551.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 05:55	S19120551.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 05:55	S19120551.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 05:55	S19120551.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 05:55	S19120551.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 05:55	S19120551.D
Naphthalene	91-20-3	<25		25	12/06/2019 05:55	S19120551.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 05:55	S19120551.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 05:55	S19120551.D
∑TPH C4-C9		<5,000		5000	12/06/2019 05:55	S19120551.D
∑TPH C10-C15		<5,000		5000	12/06/2019 05:55	S19120551.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-44 **SA-SB-44-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 06:16	S19120552.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 06:16	S19120552.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 06:16	S19120552.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 06:16	S19120552.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 06:16	S19120552.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 06:16	S19120552.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 06:16	S19120552.D
Chloroform	67-66-3	<10		10	12/06/2019 06:16	S19120552.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 06:16	S19120552.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 06:16	S19120552.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 06:16	S19120552.D
Benzene	71-43-2	<25		25	12/06/2019 06:16	S19120552.D
Trichloroethene	79-01-6	<10		10	12/06/2019 06:16	S19120552.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 06:16	S19120552.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 06:16	S19120552.D
Toluene	108-88-3	**54**		25	12/06/2019 06:16	S19120552.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 06:16	S19120552.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 06:16	S19120552.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 06:16	S19120552.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 06:16	S19120552.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 06:16	S19120552.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 06:16	S19120552.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 06:16	S19120552.D
o-Xylene	95-47-6	<25		25	12/06/2019 06:16	S19120552.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 06:16	S19120552.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 06:16	S19120552.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 06:16	S19120552.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 06:16	S19120552.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 06:16	S19120552.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 06:16	S19120552.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 06:16	S19120552.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 06:16	S19120552.D
Naphthalene	91-20-3	<25		25	12/06/2019 06:16	S19120552.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 06:16	S19120552.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 06:16	S19120552.D
TPH C4-C9		<5,000		5000	12/06/2019 06:16	S19120552.D
TPH C10-C15		<5,000		5000	12/06/2019 06:16	S19120552.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-45 **SA-SB-45-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 06:37	S19120553.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 06:37	S19120553.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 06:37	S19120553.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 06:37	S19120553.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 06:37	S19120553.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 06:37	S19120553.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 06:37	S19120553.D
Chloroform	67-66-3	<10		10	12/06/2019 06:37	S19120553.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 06:37	S19120553.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 06:37	S19120553.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 06:37	S19120553.D
Benzene	71-43-2	<25		25	12/06/2019 06:37	S19120553.D
Trichloroethene	79-01-6	<10		10	12/06/2019 06:37	S19120553.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 06:37	S19120553.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 06:37	S19120553.D
Toluene	108-88-3	<25		25	12/06/2019 06:37	S19120553.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 06:37	S19120553.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 06:37	S19120553.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 06:37	S19120553.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 06:37	S19120553.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 06:37	S19120553.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 06:37	S19120553.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 06:37	S19120553.D
o-Xylene	95-47-6	<25		25	12/06/2019 06:37	S19120553.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 06:37	S19120553.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 06:37	S19120553.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 06:37	S19120553.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 06:37	S19120553.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 06:37	S19120553.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 06:37	S19120553.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 06:37	S19120553.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 06:37	S19120553.D
Naphthalene	91-20-3	<25		25	12/06/2019 06:37	S19120553.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 06:37	S19120553.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 06:37	S19120553.D
∑TPH C4-C9		<5,000		5000	12/06/2019 06:37	S19120553.D
∑TPH C10-C15		<5,000		5000	12/06/2019 06:37	S19120553.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-46 **SA-SB-46-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 06:58	S19120554.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 06:58	S19120554.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 06:58	S19120554.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 06:58	S19120554.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 06:58	S19120554.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 06:58	S19120554.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 06:58	S19120554.D
Chloroform	67-66-3	<10		10	12/06/2019 06:58	S19120554.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 06:58	S19120554.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 06:58	S19120554.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 06:58	S19120554.D
Benzene	71-43-2	<25		25	12/06/2019 06:58	S19120554.D
Trichloroethene	79-01-6	<10		10	12/06/2019 06:58	S19120554.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 06:58	S19120554.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 06:58	S19120554.D
Toluene	108-88-3	**32**		25	12/06/2019 06:58	S19120554.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 06:58	S19120554.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 06:58	S19120554.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 06:58	S19120554.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 06:58	S19120554.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 06:58	S19120554.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 06:58	S19120554.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 06:58	S19120554.D
o-Xylene	95-47-6	<25		25	12/06/2019 06:58	S19120554.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 06:58	S19120554.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 06:58	S19120554.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 06:58	S19120554.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 06:58	S19120554.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 06:58	S19120554.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 06:58	S19120554.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 06:58	S19120554.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 06:58	S19120554.D
Naphthalene	91-20-3	<25		25	12/06/2019 06:58	S19120554.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 06:58	S19120554.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 06:58	S19120554.D
TPH C4-C9		<5,000		5000	12/06/2019 06:58	S19120554.D
TPH C10-C15		<5,000		5000	12/06/2019 06:58	S19120554.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-47 **SA-SB-47-GS-20191202** Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 07:40	S19120556.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 07:40	S19120556.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 07:40	S19120556.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 07:40	S19120556.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 07:40	S19120556.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 07:40	S19120556.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 07:40	S19120556.D
Chloroform	67-66-3	<10		10	12/06/2019 07:40	S19120556.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 07:40	S19120556.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 07:40	S19120556.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 07:40	S19120556.D
Benzene	71-43-2	<25		25	12/06/2019 07:40	S19120556.D
Trichloroethene	79-01-6	<10		10	12/06/2019 07:40	S19120556.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 07:40	S19120556.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 07:40	S19120556.D
Toluene	108-88-3	<25		25	12/06/2019 07:40	S19120556.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 07:40	S19120556.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 07:40	S19120556.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 07:40	S19120556.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 07:40	S19120556.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 07:40	S19120556.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 07:40	S19120556.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 07:40	S19120556.D
o-Xylene	95-47-6	<25		25	12/06/2019 07:40	S19120556.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 07:40	S19120556.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 07:40	S19120556.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 07:40	S19120556.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 07:40	S19120556.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 07:40	S19120556.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 07:40	S19120556.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 07:40	S19120556.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 07:40	S19120556.D
Naphthalene	91-20-3	<25		25	12/06/2019 07:40	S19120556.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 07:40	S19120556.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 07:40	S19120556.D
∑TPH C4-C9		<5,000		5000	12/06/2019 07:40	S19120556.D
∑TPH C10-C15		<5,000		5000	12/06/2019 07:40	S19120556.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-48 | **Trip 1** | Method: EPA 8260C

Air

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 13:47	S19120505.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 13:47	S19120505.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 13:47	S19120505.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 13:47	S19120505.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 13:47	S19120505.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 13:47	S19120505.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 13:47	S19120505.D
Chloroform	67-66-3	<10		10	12/05/2019 13:47	S19120505.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 13:47	S19120505.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 13:47	S19120505.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 13:47	S19120505.D
Benzene	71-43-2	<25		25	12/05/2019 13:47	S19120505.D
Trichloroethene	79-01-6	<10		10	12/05/2019 13:47	S19120505.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 13:47	S19120505.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 13:47	S19120505.D
Toluene	108-88-3	<25		25	12/05/2019 13:47	S19120505.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 13:47	S19120505.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 13:47	S19120505.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 13:47	S19120505.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 13:47	S19120505.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 13:47	S19120505.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 13:47	S19120505.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 13:47	S19120505.D
o-Xylene	95-47-6	<25		25	12/05/2019 13:47	S19120505.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 13:47	S19120505.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 13:47	S19120505.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 13:47	S19120505.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 13:47	S19120505.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 13:47	S19120505.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 13:47	S19120505.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 13:47	S19120505.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 13:47	S19120505.D
Naphthalene	91-20-3	<25		25	12/05/2019 13:47	S19120505.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 13:47	S19120505.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 13:47	S19120505.D
∑TPH C4-C9		<5,000		5000	12/05/2019 13:47	S19120505.D
∑TPH C10-C15		<5,000		5000	12/05/2019 13:47	S19120505.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-49

Trip 2

Air

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 14:08	S19120506.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 14:08	S19120506.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 14:08	S19120506.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 14:08	S19120506.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 14:08	S19120506.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 14:08	S19120506.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 14:08	S19120506.D
Chloroform	67-66-3	<10		10	12/05/2019 14:08	S19120506.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 14:08	S19120506.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 14:08	S19120506.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 14:08	S19120506.D
Benzene	71-43-2	<25		25	12/05/2019 14:08	S19120506.D
Trichloroethene	79-01-6	<10		10	12/05/2019 14:08	S19120506.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 14:08	S19120506.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 14:08	S19120506.D
Toluene	108-88-3	<25		25	12/05/2019 14:08	S19120506.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 14:08	S19120506.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 14:08	S19120506.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 14:08	S19120506.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 14:08	S19120506.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 14:08	S19120506.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 14:08	S19120506.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 14:08	S19120506.D
o-Xylene	95-47-6	<25		25	12/05/2019 14:08	S19120506.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 14:08	S19120506.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 14:08	S19120506.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 14:08	S19120506.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 14:08	S19120506.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 14:08	S19120506.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 14:08	S19120506.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 14:08	S19120506.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 14:08	S19120506.D
Naphthalene	91-20-3	<25		25	12/05/2019 14:08	S19120506.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 14:08	S19120506.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 14:08	S19120506.D
∑TPH C4-C9		<5,000		5000	12/05/2019 14:08	S19120506.D
∑TPH C10-C15		<5,000		5000	12/05/2019 14:08	S19120506.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-50

SA-SB-7-GS-20191202 Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 16:56	S19120514.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 16:56	S19120514.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 16:56	S19120514.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 16:56	S19120514.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 16:56	S19120514.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 16:56	S19120514.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 16:56	S19120514.D
Chloroform	67-66-3	<10		10	12/05/2019 16:56	S19120514.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 16:56	S19120514.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 16:56	S19120514.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 16:56	S19120514.D
Benzene	71-43-2	**26**		25	12/05/2019 16:56	S19120514.D
Trichloroethene	79-01-6	<10		10	12/05/2019 16:56	S19120514.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 16:56	S19120514.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 16:56	S19120514.D
Toluene	108-88-3	<25		25	12/05/2019 16:56	S19120514.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 16:56	S19120514.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 16:56	S19120514.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 16:56	S19120514.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 16:56	S19120514.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 16:56	S19120514.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 16:56	S19120514.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 16:56	S19120514.D
o-Xylene	95-47-6	<25		25	12/05/2019 16:56	S19120514.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 16:56	S19120514.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 16:56	S19120514.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 16:56	S19120514.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 16:56	S19120514.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 16:56	S19120514.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 16:56	S19120514.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 16:56	S19120514.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 16:56	S19120514.D
Naphthalene	91-20-3	<25		25	12/05/2019 16:56	S19120514.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 16:56	S19120514.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 16:56	S19120514.D
≤TPH C4-C9		<5,000		5000	12/05/2019 16:56	S19120514.D
≤TPH C10-C15		<5,000		5000	12/05/2019 16:56	S19120514.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-51

SA-SB-13-GS-20191202 Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/05/2019 19:23	S19120521.D
1,1-Dichloroethene	75-35-4	<10		10	12/05/2019 19:23	S19120521.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/05/2019 19:23	S19120521.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/05/2019 19:23	S19120521.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/05/2019 19:23	S19120521.D
1,1-Dichloroethane	75-34-3	<10		10	12/05/2019 19:23	S19120521.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/05/2019 19:23	S19120521.D
Chloroform	67-66-3	<10		10	12/05/2019 19:23	S19120521.D
1,2-Dichloroethane	107-06-2	<10		10	12/05/2019 19:23	S19120521.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/05/2019 19:23	S19120521.D
Carbon Tetrachloride	56-23-5	<10		10	12/05/2019 19:23	S19120521.D
Benzene	71-43-2	**34**		25	12/05/2019 19:23	S19120521.D
Trichloroethene	79-01-6	<10		10	12/05/2019 19:23	S19120521.D
1,4-Dioxane	123-91-1	<25		25	12/05/2019 19:23	S19120521.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/05/2019 19:23	S19120521.D
Toluene	108-88-3	<25		25	12/05/2019 19:23	S19120521.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/05/2019 19:23	S19120521.D
Tetrachloroethene	127-18-4	<10		10	12/05/2019 19:23	S19120521.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/05/2019 19:23	S19120521.D
Chlorobenzene	108-90-7	<10		10	12/05/2019 19:23	S19120521.D
Ethylbenzene	100-41-4	<25		25	12/05/2019 19:23	S19120521.D
p & m-Xylene	108-38-3	<25		25	12/05/2019 19:23	S19120521.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/05/2019 19:23	S19120521.D
o-Xylene	95-47-6	<25		25	12/05/2019 19:23	S19120521.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/05/2019 19:23	S19120521.D
Isopropylbenzene	98-82-8	<25		25	12/05/2019 19:23	S19120521.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/05/2019 19:23	S19120521.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/05/2019 19:23	S19120521.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/05/2019 19:23	S19120521.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/05/2019 19:23	S19120521.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/05/2019 19:23	S19120521.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/05/2019 19:23	S19120521.D
Naphthalene	91-20-3	<25		25	12/05/2019 19:23	S19120521.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/05/2019 19:23	S19120521.D
2-Methylnaphthalene	91-57-6	<25		25	12/05/2019 19:23	S19120521.D
TPH C4-C9		<5,000		5000	12/05/2019 19:23	S19120521.D
TPH C10-C15		<5,000		5000	12/05/2019 19:23	S19120521.D

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Lab Sample ID: 0004970-52

SA-SB-46-GS-20191202 Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	12/06/2019 07:19	S19120555.D
1,1-Dichloroethene	75-35-4	<10		10	12/06/2019 07:19	S19120555.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	12/06/2019 07:19	S19120555.D
trans-1,2-Dichloroethene	156-60-5	<10		10	12/06/2019 07:19	S19120555.D
Methyl-t-butyl ether	1634-04-4	<25		25	12/06/2019 07:19	S19120555.D
1,1-Dichloroethane	75-34-3	<10		10	12/06/2019 07:19	S19120555.D
cis-1,2-Dichloroethene	156-59-2	<10		10	12/06/2019 07:19	S19120555.D
Chloroform	67-66-3	<10		10	12/06/2019 07:19	S19120555.D
1,2-Dichloroethane	107-06-2	<10		10	12/06/2019 07:19	S19120555.D
1,1,1-Trichloroethane	71-55-6	<10		10	12/06/2019 07:19	S19120555.D
Carbon Tetrachloride	56-23-5	<10		10	12/06/2019 07:19	S19120555.D
Benzene	71-43-2	<25		25	12/06/2019 07:19	S19120555.D
Trichloroethene	79-01-6	<10		10	12/06/2019 07:19	S19120555.D
1,4-Dioxane	123-91-1	<25		25	12/06/2019 07:19	S19120555.D
1,1,2-Trichloroethane	79-00-5	<10		10	12/06/2019 07:19	S19120555.D
Toluene	108-88-3	**50**		25	12/06/2019 07:19	S19120555.D
1,2-Dibromoethane (EDB)	106-93-4	<25		25	12/06/2019 07:19	S19120555.D
Tetrachloroethene	127-18-4	<10		10	12/06/2019 07:19	S19120555.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	12/06/2019 07:19	S19120555.D
Chlorobenzene	108-90-7	<10		10	12/06/2019 07:19	S19120555.D
Ethylbenzene	100-41-4	<25		25	12/06/2019 07:19	S19120555.D
p & m-Xylene	108-38-3	<25		25	12/06/2019 07:19	S19120555.D
1,1,2,2-Tetrachloroethane	79-34-5	<10		10	12/06/2019 07:19	S19120555.D
o-Xylene	95-47-6	<25		25	12/06/2019 07:19	S19120555.D
1,2,3-Trichloropropane	96-18-4	<10		10	12/06/2019 07:19	S19120555.D
Isopropylbenzene	98-82-8	<25		25	12/06/2019 07:19	S19120555.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	12/06/2019 07:19	S19120555.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	12/06/2019 07:19	S19120555.D
1,3-Dichlorobenzene	541-73-1	<10		10	12/06/2019 07:19	S19120555.D
1,4-Dichlorobenzene	106-46-7	<10		10	12/06/2019 07:19	S19120555.D
1,2-Dichlorobenzene	95-50-1	<10		10	12/06/2019 07:19	S19120555.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	12/06/2019 07:19	S19120555.D
Naphthalene	91-20-3	<25		25	12/06/2019 07:19	S19120555.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	12/06/2019 07:19	S19120555.D
2-Methylnaphthalene	91-57-6	<25		25	12/06/2019 07:19	S19120555.D
TPH C4-C9		<5,000		5000	12/06/2019 07:19	S19120555.D
TPH C10-C15		<5,000		5000	12/06/2019 07:19	S19120555.D

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SynTerra	**Project Site:** Former Bramlette MGP Site	**Beacon Proposal:** 190808H01
148 River Street, Suite 220	**Project Location:** Greenville, SC	**Beacon Project No.:** 0004970
Greenville, SC 29601	**Project Manager:** Thomas King	**Reported:** 12/09/2019

QC Information/Summary

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass) - Quality Control Summary

19L0012-BLK1 (Lab Blank) File ID: S19120503.D Analyzed: 12/5/19 12:59

Analyte	CAS#	Result (ng)	LOQ (ng)	Q
Vinyl Chloride	75-01-4	<10	10	
1,1-Dichloroethene	75-35-4	<10	10	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	
trans-1,2-Dichloroethene	156-60-5	<10	10	
Methyl-t-butyl ether	1634-04-4	<25	25	
1,1-Dichloroethane	75-34-3	<10	10	
cis-1,2-Dichloroethene	156-59-2	<10	10	
Chloroform	67-66-3	<10	10	
1,2-Dichloroethane	107-06-2	<10	10	
1,1,1-Trichloroethane	71-55-6	<10	10	
Carbon Tetrachloride	56-23-5	<10	10	
Benzene	71-43-2	<25	25	
Trichloroethene	79-01-6	<10	10	
1,4-Dioxane	123-91-1	<25	25	
1,1,2-Trichloroethane	79-00-5	<10	10	
Toluene	108-88-3	<25	25	
1,2-Dibromoethane (EDB)	106-93-4	<25	25	
Tetrachloroethene	127-18-4	<10	10	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	
Chlorobenzene	108-90-7	<10	10	
Ethylbenzene	100-41-4	<25	25	
p & m-Xylene	108-38-3	<25	25	
1,1,2,2-Tetrachloroethane	79-34-5	<10	10	
o-Xylene	95-47-6	<25	25	
1,2,3-Trichloropropane	96-18-4	<10	10	
Isopropylbenzene	98-82-8	<25	25	
1,3,5-Trimethylbenzene	108-67-8	<25	25	
1,2,4-Trimethylbenzene	95-63-6	<25	25	
1,3-Dichlorobenzene	541-73-1	<10	10	
1,4-Dichlorobenzene	106-46-7	<10	10	
1,2-Dichlorobenzene	95-50-1	<10	10	
1,2,4-Trichlorobenzene	120-82-1	<10	10	
Naphthalene	91-20-3	<25	25	
1,2,3-Trichlorobenzene	87-61-6	<10	10	
2-Methylnaphthalene	91-57-6	<25	25	
TPH C4-C9		<5000	5000	
TPH C10-C15		<5000	5000	

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Sample Duplicate RPD Summary - Mass

Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass)

Duplicate Sample: SA-SB-7-GS-20191202 Dup (0004970-50) File ID: S19120514.D Analyzed: 12/5/19 16:56

Sample: SA-SB-7-GS-20191202 (0004970-07) File ID: S19120513.D Analyzed: 12/5/19 16:35

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Q	Sample Result (ng)	RPD (%)	RPD Limit	Q
Vinyl Chloride	75-01-4	<10	10		<10		100	
1,1-Dichloroethene	75-35-4	<10	10		<10		100	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10		<10		100	
trans-1,2-Dichloroethene	156-60-5	<10	10		<10		100	
Methyl-t-butyl ether	1634-04-4	<25	25		<25		100	
1,1-Dichloroethane	75-34-3	<10	10		<10		100	
cis-1,2-Dichloroethene	156-59-2	<10	10		<10		100	
Chloroform	67-66-3	<10	10		<10		100	
1,2-Dichloroethane	107-06-2	<10	10		<10		100	
1,1,1-Trichloroethane	71-55-6	<10	10		<10		100	
Carbon Tetrachloride	56-23-5	<10	10		<10		100	
Benzene	71-43-2	25.76	25		<25	3.0	100	
Trichloroethene	79-01-6	<10	10		<10		100	
1,4-Dioxane	123-91-1	<25	25		<25		100	
1,1,2-Trichloroethane	79-00-5	<10	10		<10		100	
Toluene	108-88-3	<25	25		<25		100	
1,2-Dibromoethane (EDB)	106-93-4	<25	25		<25		100	
Tetrachloroethene	127-18-4	<10	10		<10		100	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10		<10		100	
Chlorobenzene	108-90-7	<10	10		<10		100	
Ethylbenzene	100-41-4	<25	25		<25		100	
p & m-Xylene	108-38-3	<25	25		<25		100	
1,1,2,2-Tetrachloroethane	79-34-5	<10	10		<10		100	
o-Xylene	95-47-6	<25	25		<25		100	
1,2,3-Trichloropropane	96-18-4	<10	10		<10		100	
Isopropylbenzene	98-82-8	<25	25		<25		100	
1,3,5-Trimethylbenzene	108-67-8	<25	25		<25		100	
1,2,4-Trimethylbenzene	95-63-6	<25	25		<25		100	
1,3-Dichlorobenzene	541-73-1	<10	10		<10		100	
1,4-Dichlorobenzene	106-46-7	<10	10		<10		100	
1,2-Dichlorobenzene	95-50-1	<10	10		<10		100	
1,2,4-Trichlorobenzene	120-82-1	<10	10		<10		100	
Naphthalene	91-20-3	<25	25		<25		100	
1,2,3-Trichlorobenzene	87-61-6	<10	10		<10		100	
2-Methylnaphthalene	91-57-6	<25	25		<25		100	
TPH C4-C9		<5,000	5000		<5,000		100	
TPH C10-C15		<5,000	5000		<5,000		100	

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Duplicate Sample: SA-SB-13-GS-20191202 Dup (0004970-51) File ID: S19120521.D Analyzed: 12/5/19 19:23

Sample: SA-SB-13-GS-20191202 (0004970-13) File ID: S19120520.D Analyzed: 12/5/19 19:02

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Q	Sample Result (ng)	RPD (%)	RPD Limit	Q
Vinyl Chloride	75-01-4	<10	10		<10		100	
1,1-Dichloroethene	75-35-4	<10	10		<10		100	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10		<10		100	
trans-1,2-Dichloroethene	156-60-5	<10	10		<10		100	
Methyl-t-butyl ether	1634-04-4	<25	25		<25		100	
1,1-Dichloroethane	75-34-3	<10	10		<10		100	
cis-1,2-Dichloroethene	156-59-2	<10	10		<10		100	
Chloroform	67-66-3	<10	10		<10		100	
1,2-Dichloroethane	107-06-2	<10	10		<10		100	
1,1,1-Trichloroethane	71-55-6	<10	10		<10		100	
Carbon Tetrachloride	56-23-5	<10	10		<10		100	
Benzene	71-43-2	34.30	25		37.22	8.2	100	
Trichloroethene	79-01-6	<10	10		<10		100	
1,4-Dioxane	123-91-1	<25	25		<25		100	
1,1,2-Trichloroethane	79-00-5	<10	10		<10		100	
Toluene	108-88-3	<25	25		<25		100	
1,2-Dibromoethane (EDB)	106-93-4	<25	25		<25		100	
Tetrachloroethene	127-18-4	<10	10		<10		100	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10		<10		100	
Chlorobenzene	108-90-7	<10	10		<10		100	
Ethylbenzene	100-41-4	<25	25		<25		100	
p & m-Xylene	108-38-3	<25	25		<25		100	
1,1,2,2-Tetrachloroethane	79-34-5	<10	10		<10		100	
o-Xylene	95-47-6	<25	25		<25		100	
1,2,3-Trichloropropane	96-18-4	<10	10		<10		100	
Isopropylbenzene	98-82-8	<25	25		<25		100	
1,3,5-Trimethylbenzene	108-67-8	<25	25		<25		100	
1,2,4-Trimethylbenzene	95-63-6	<25	25		<25		100	
1,3-Dichlorobenzene	541-73-1	<10	10		<10		100	
1,4-Dichlorobenzene	106-46-7	<10	10		<10		100	
1,2-Dichlorobenzene	95-50-1	<10	10		<10		100	
1,2,4-Trichlorobenzene	120-82-1	<10	10		<10		100	
Naphthalene	91-20-3	<25	25		<25		100	
1,2,3-Trichlorobenzene	87-61-6	<10	10		<10		100	
2-Methylnaphthalene	91-57-6	<25	25		<25		100	
TPH C4-C9		<5,000	5000		<5,000		100	
TPH C10-C15		<5,000	5000		<5,000		100	

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Duplicate Sample: SA-SB-46-GS-20191202 Dup (0004970-52) File ID: S19120555.D Analyzed: 12/6/19 7:19

Sample: SA-SB-46-GS-20191202 (0004970-46) File ID: S19120554.D Analyzed: 12/6/19 6:58

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Q	Sample Result (ng)	RPD (%)	RPD Limit	Q
Vinyl Chloride	75-01-4	<10	10		<10		100	
1,1-Dichloroethene	75-35-4	<10	10		<10		100	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10		<10		100	
trans-1,2-Dichloroethene	156-60-5	<10	10		<10		100	
Methyl-t-butyl ether	1634-04-4	<25	25		<25		100	
1,1-Dichloroethane	75-34-3	<10	10		<10		100	
cis-1,2-Dichloroethene	156-59-2	<10	10		<10		100	
Chloroform	67-66-3	<10	10		<10		100	
1,2-Dichloroethane	107-06-2	<10	10		<10		100	
1,1,1-Trichloroethane	71-55-6	<10	10		<10		100	
Carbon Tetrachloride	56-23-5	<10	10		<10		100	
Benzene	71-43-2	<25	25		<25		100	
Trichloroethene	79-01-6	<10	10		<10		100	
1,4-Dioxane	123-91-1	<25	25		<25		100	
1,1,2-Trichloroethane	79-00-5	<10	10		<10		100	
Toluene	108-88-3	50.00	25		32.31	43.0	100	
1,2-Dibromoethane (EDB)	106-93-4	<25	25		<25		100	
Tetrachloroethene	127-18-4	<10	10		<10		100	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10		<10		100	
Chlorobenzene	108-90-7	<10	10		<10		100	
Ethylbenzene	100-41-4	<25	25		<25		100	
p & m-Xylene	108-38-3	<25	25		<25		100	
1,1,2,2-Tetrachloroethane	79-34-5	<10	10		<10		100	
o-Xylene	95-47-6	<25	25		<25		100	
1,2,3-Trichloropropane	96-18-4	<10	10		<10		100	
Isopropylbenzene	98-82-8	<25	25		<25		100	
1,3,5-Trimethylbenzene	108-67-8	<25	25		<25		100	
1,2,4-Trimethylbenzene	95-63-6	<25	25		<25		100	
1,3-Dichlorobenzene	541-73-1	<10	10		<10		100	
1,4-Dichlorobenzene	106-46-7	<10	10		<10		100	
1,2-Dichlorobenzene	95-50-1	<10	10		<10		100	
1,2,4-Trichlorobenzene	120-82-1	<10	10		<10		100	
Naphthalene	91-20-3	<25	25		<25		100	
1,2,3-Trichlorobenzene	87-61-6	<10	10		<10		100	
2-Methylnaphthalene	91-57-6	<25	25		<25		100	
TPH C4-C9		<5,000	5000		<5,000		100	
TPH C10-C15		<5,000	5000		<5,000		100	

Note: RPD calculations based on raw numbers. Numbers displayed may be rounded for presentation.

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1.410.838.8780

SynTerra	**Project Site:** Former Bramlette MGP Site	**Beacon Proposal:** 190808H01
148 River Street, Suite 220	**Project Location:** Greenville, SC	**Beacon Project No.:** 0004970
Greenville, SC 29601	**Project Manager:** Thomas King	**Reported:** 12/09/2019

Additional QC Information

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	10/31/2020	
DoD-ELAP	L18-339	United States Department of Defense Environmental Laboratory Accreditation	10/31/2020	
NY-NELAC	12097	New York Department of Health	04/01/2020	
Utah-NELAC	MD01091	Utah Department of Health	12/31/2019	

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CERTIFICATE OF ANALYSIS

SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
$\notin$	Compound not on scope of accreditation

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SynTerra	**Project Site:**	Former Bramlette MGP Site	**Beacon Proposal:**	190808H01
148 River Street, Suite 220	**Project Location:**	Greenville, SC	**Beacon Project No.:**	0004970
Greenville, SC 29601	**Project Manager:**	Thomas King	**Reported:**	12/09/2019

Sample Management Records

BEACON ENVIRONMENTAL SERVICES, INC.

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
P: 1-410-838-8780 | F: 1-410-838-8740

Project Information		Client Information		
Site Name:	Former Bramlett MGP	Company Name:	SynTerra	Client PO No.: 1026.800.09
		Office Location:	Greenville, SC	
Site Location:	Greenville, SC	Samples Submitted By:	Tom King	Expedited Turnaround Time
		Contact Phone No.:	803-429-3668	☒ Rush (Specify): 3 Days

	Field Sample ID	Date Emplaced 11/18/19 - 11/19/19 / Time Emplaced	Date Retrieved 12/02/19 / Time Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)	
1	SA-SB-1-GS-20191202	1328	1618	36	SOIL	11/19	
2	SA-SB-2-GS-20191202	1050	1101		SOIL	11/18	
3	SA-SB-3-GS-20191202	1315	1625		SOIL	11/19	
4	SA-SB-4-GS-20191202	1116	1223		SOIL	11/18	
5	SA-SB-5-GS-20191202	1103	1216		SOIL	11/18	
6	SA-SB-6-GS-20191202	1352	1110		SOIL	11/18	
7	SA-SB-7-GS-20191202	1136	1455		SOIL	11/18	Duplicate Assigned sct 191205
8	SA-SB-8-GS-20191202	1126	1228		SOIL	11/18	
9	SA-SB-9-GS-20191202	1252	1608		SOIL	11/18	
10	SA-SB-10-GS-20191202	1432	1209		SOIL	11/18	
11	SA-SB-11-GS-20191202	1404	1116		SOIL	11/18	
12	SA-SB-12-GS-20191202	1157	1500		SOIL	11/18	
13	SA-SB-13-GS-20191202	1224	1324		SOIL	11/18	Duplicate Assigned sct 191205
14	SA-SB-14-GS-20191202	1442	1233		SOIL	11/18	
15	SA-SB-15-GS-20191202	1420	1238		SOIL	11/18	

Special Notes/Instructions: Specific date emplaced listed in "Optional Sample Information" section

Shipment of Field Kit to Laboratory - Custody Seal # 2669578 Intact? (Y) N

Relinquished By:	Date/Time	Courier	Received By:	Date/Time
Tom King	12/3/19 / 0700	UPS	Allison Felter	12/4/2019 1345
~~Tom King~~				

LAB USE ONLY		
Beacon Project: 4970	Beacon Proposal: 190808H01	Analytical Method: U.S. EPA Method 8260C

Page 1 of 3

BEACON ENVIRONMENTAL SERVICES, INC.

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

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P: 1-410-838-8780 | F: 1-410-838-8740

Project Information		Client Information		
Site Name:	Former Brankette MGP	Company Name:	SynTerra	Client PO No.: 1026.800.09
		Office Location:	Greenville, SC	
Site Location:	Greenville, SC	Samples Submitted By:	Tom King	Expedited Turnaround Time
		Contact Phone No.:	803-429-3668	☑ Rush (Specify): 3 Days

	Field Sample ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)
		11/18/19 - 11/19/19	12/02/19			
16	SA-SB-16-GS-20191202	1618	1203	36	SOIL	11/18
17	SA-SB-17-GS-20191202	1634	1127	↓	SOIL	11/18
18	SA-SB-18-GS-20191202	1213	1510		SOIL	11/18
19	SA-SB-19-GS-20191202	1451	1450		SOIL	11/18
20	SA-SB-20-GS-20191202	1550	1318		SOIL	11/18
21	SA-SB-21-GS-20191202	1605	1248		SOIL	11/18
22	SA-SB-22-GS-20191202	0840	1602		SOIL	~~11/18~~ 11/19
23	SA-SB-23-GS-20191202	1651	1129		SOIL	11/18
24	SA-SB-24-GS-20191202	1645	1135		GRAVEL	11/18
25	SA-SB-25-GS-20191202	1503	1515		SOIL	11/18
26	SA-SB-26-GS-20191202	1521	1445		SOIL	11/18
27	SA-SB-27-GS-20191202	1535	1329		SOIL	11/18
28	SA-SB-28-GS-20191202	0903	1314		SOIL	~~11/18~~ 11/19
29	SA-SB-29-GS-20191202	0853	1253		SOIL	11/19
30	SA-SB-30-GS-20191202	1254	1157		GRAVEL	11/19
31	SA-SB-31-GS-20191202	1246	1140		GRAVEL	11/19
32	SA-SB-32-GS-20191202	1511	1521		SOIL	11/18
33	SA-SB-33-GS-20191202	0926	1526		SOIL	~~11/18~~ 11/19
34	SA-SB-34-GS-20191202	0912	1338		SOIL	~~11/18~~ 11/19
35	SA-SB-35-GS-20191202	1120	1308	↓	SOIL	11/19

Special Notes/Instructions:

LAB USE ONLY		
Beacon Project: 4970	Beacon Proposal: 190808H01	Analytical Method: U.S. EPA Method 8260C

BEACON ENVIRONMENTAL SERVICES, INC.

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
P: 1-410-838-8780 | F: 1-410-838-8740

Project Information		Client Information		
Site Name:	Former Bramlette MGP	Company Name:	SynTerra	Client PO No.: 1026.800.09
		Office Location:	Greenville, SC	
Site Location:	Greenville, SC	Samples Submitted By:	Tom King	Expedited Turnaround Time
		Contact Phone No.:	803-429-3668	☐ Rush (Specify): 3 Days

	Field Sample ID	Date Emplaced 11/18/19 - 11/19/19 / Time Emplaced	Date Retrieved 12/02/19 / Time Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)
36	SA-SB-36_GS_20191202	1164	1258	36	GRAVEL	11/19
37	SA-SB-37-GS-20191202	1223	1152		GRAVEL	11/19
38	SA-SB-38-GS-20191202	1240	1145		SOIL	11/19
39	SA-SB-39-GS-20191202	0941	1542		SOIL	~~11/18~~ 11/19
40	SA-SB-40-GS-20191202	0935	1531		SOIL	~~11/18~~ 11/19
41	SA-SB-41-GS-20191202	1028	1441		SOIL	11/19
42	SA-SB-42-GS-20191202	1048	1392		SOIL	11/19
43	SA-SB-43-GS-20191202	1055	1304		GRAVEL	11/19
44	SA-SB-44-GS-20191202	1012	1547		SOIL	~~11/18~~ 11/19
45	SA-SB-45-GS-20191202	1019	1536		SOIL	~~11/18~~ 11/19
46	SA-SB-46-GS-20191202	1002	1551		SOIL	~~11/18~~ 11/19
47	SA-SB-47-GS-20191202	0954	1556		SOIL	~~11/18~~ 11/19
	Trip 1					Added to CoC 12/4/2019 ATF
	Trip 2					Added to CoC 12/4/2019 ATF
	SA-SB-7-GS-20191202Dup					
	SA-SB-13-GS-20191202Dup					
	SA-SB-46-GS-20191202Dup					

Special Notes/Instructions:

LAB USE ONLY		
Beacon Project: 4970	Beacon Proposal: 190808H01	Analytical Method: U.S. EPA Method 8260C

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ATTACHMENT F
LABORATORY ANALYTICAL REPORT FOR GROUNDWATER SAMPLE (MW-02BR)

(LABORATORY ANALYTICAL REPORTS TRANSMITTED ELECTRONICALLY (CD) WITH HARDCOPY DELIVERABLE)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 13, 2019

Program Manager
Duke Energy
13339 Hagers Ferry Road
Bldg. 7405 MG30A2
Huntersville, NC 28078

RE: Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Dear Program Manager:
Enclosed are the analytical results for sample(s) received by the laboratory on November 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Program Manager, Duke Energy
Mike Mastbaum
Todd Plating, Synterra
Rick Powell
B. Russo
Heather Smith

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CERTIFICATIONS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92455318001	**MW-2BR_WG_20191125**	Water	11/25/19 13:30	11/26/19 13:00
92455318002	**TRIP BLANK**	Water	11/25/19 00:00	11/26/19 13:00

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SAMPLE ANALYTE COUNT

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92455318001	**MW-2BR_WG_20191125**	EPA 8270D	BPJ	74	PASI-C
		EPA 8260B	GAW	62	PASI-C
92455318002	**TRIP BLANK**	EPA 8260B	GAW	62	PASI-C

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SUMMARY OF DETECTION

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92455318001	**MW-2BR_WG_20191125**					
EPA 8270D	Acenaphthene	203	ug/L	9.9	12/03/19 12:24	E
EPA 8270D	Acenaphthylene	20.7	ug/L	9.9	12/03/19 12:24	
EPA 8270D	Anthracene	4.9J	ug/L	9.9	12/03/19 12:24	
EPA 8270D	Dibenzofuran	10.7	ug/L	9.9	12/03/19 12:24	
EPA 8270D	2,4-Dimethylphenol	62.2	ug/L	9.9	12/03/19 12:24	
EPA 8270D	bis(2-Ethylhexyl)phthalate	81.5	ug/L	5.9	12/03/19 12:24	
EPA 8270D	Fluorene	36.7	ug/L	9.9	12/03/19 12:24	
EPA 8270D	1-Methylnaphthalene	259	ug/L	198	12/03/19 15:48	
EPA 8270D	2-Methylnaphthalene	432	ug/L	198	12/03/19 15:48	
EPA 8270D	Naphthalene	1580	ug/L	198	12/03/19 15:48	
EPA 8270D	Phenanthrene	34.3	ug/L	9.9	12/03/19 12:24	
EPA 8260B	Benzene	1100	ug/L	25.0	12/09/19 17:11	
EPA 8260B	Ethylbenzene	274	ug/L	25.0	12/09/19 17:11	
EPA 8260B	Hexachloro-1,3-butadiene	22.4J	ug/L	25.0	12/09/19 17:11	B,C8
EPA 8260B	Naphthalene	3900	ug/L	25.0	12/09/19 17:11	M1
EPA 8260B	Styrene	9.6J	ug/L	25.0	12/09/19 17:11	
EPA 8260B	Toluene	89.2	ug/L	25.0	12/09/19 17:11	
EPA 8260B	Xylene (Total)	226	ug/L	25.0	12/09/19 17:11	
EPA 8260B	m&p-Xylene	143	ug/L	50.0	12/09/19 17:11	
EPA 8260B	o-Xylene	82.5	ug/L	25.0	12/09/19 17:11	

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PROJECT NARRATIVE

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Method: **EPA 8270D**
Description: 8270 MSSV Semivolatile Org SC
Client: Duke Energy
Date: December 13, 2019

General Information:
1 sample was analyzed for EPA 8270D. 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 3510C 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.

QC Batch: 512329

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- BLANK (Lab ID: 2747190)
  - 2,2'-Oxybis(1-chloropropane)
  - 2-Nitroaniline
  - Benzoic Acid
  - Di-n-octylphthalate
  - N-Nitroso-di-n-propylamine
  - bis(2-Chloroethyl) ether
- LCS (Lab ID: 2747191)
  - 2,2'-Oxybis(1-chloropropane)
  - 2-Nitroaniline
  - Benzoic Acid
  - Di-n-octylphthalate
  - N-Nitroso-di-n-propylamine
  - bis(2-Chloroethyl) ether
- LCSD (Lab ID: 2747198)
  - 2,2'-Oxybis(1-chloropropane)
  - 2-Nitroaniline
  - Benzoic Acid
  - Di-n-octylphthalate
  - N-Nitroso-di-n-propylamine
  - bis(2-Chloroethyl) ether

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

- BLANK (Lab ID: 2747190)
  - Hexachlorocyclopentadiene
- LCS (Lab ID: 2747191)

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PROJECT NARRATIVE

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Method: **EPA 8270D**
Description: 8270 MSSV Semivolatile Org SC
Client: Duke Energy
Date: December 13, 2019

QC Batch: 512329

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

- Hexachlorocyclopentadiene
- LCSD (Lab ID: 2747198)
  - Hexachlorocyclopentadiene

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.

Additional Comments:

Analyte Comments:

QC Batch: 512329

1g: Comment applies to all compounds outside control limits.

- LCS (Lab ID: 2747191)
  - Phenol
- LCSD (Lab ID: 2747198)
  - Phenol

2g: Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.

- LCS (Lab ID: 2747191)
  - Phenol
- LCSD (Lab ID: 2747198)
  - Phenol

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MW-2BR_WG_20191125 (Lab ID: 92455318001)
  - Acenaphthene

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PROJECT NARRATIVE

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Method: **EPA 8260B**
Description: 8260 MSV Low Level SC
Client: Duke Energy
Date: December 13, 2019

General Information:
2 samples were analyzed for EPA 8260B. 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.

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.

QC Batch: 513467

B: Analyte was detected in the associated method blank.

- BLANK for HBN 513467 [MSV/5803 (Lab ID: 2752621)
  - Hexachloro-1,3-butadiene

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.

QC Batch: 513467

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92455318001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2752623)
  - Bromomethane
  - Naphthalene
- MSD (Lab ID: 2752624)
  - Bromomethane
  - Naphthalene

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PROJECT NARRATIVE

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Method: **EPA 8260B**
Description: 8260 MSV Low Level SC
Client: Duke Energy
Date: December 13, 2019

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

Additional Comments:

Analyte Comments:

QC Batch: 513467

C8: Result may be biased high due to carryover from previously analyzed sample.

- MW-2BR_WG_20191125 (Lab ID: 92455318001)
  - Hexachloro-1,3-butadiene

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

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: MW-2BR_WG_20191125 **Lab ID: 92455318001** Collected: 11/25/19 13:30 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	**203**	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	83-32-9	E
Acenaphthylene	**20.7**	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	208-96-8	
Aniline	ND	ug/L	9.9	1.2	1	12/02/19 15:05	12/03/19 12:24	62-53-3	
Anthracene	**4.9J**	ug/L	9.9	1.7	1	12/02/19 15:05	12/03/19 12:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	9.9	2.1	1	12/02/19 15:05	12/03/19 12:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.9	2.2	1	12/02/19 15:05	12/03/19 12:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.9	2.2	1	12/02/19 15:05	12/03/19 12:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.9	2.1	1	12/02/19 15:05	12/03/19 12:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.9	2.0	1	12/02/19 15:05	12/03/19 12:24	207-08-9	
Benzoic Acid	ND	ug/L	49.5	5.0	1	12/02/19 15:05	12/03/19 12:24	65-85-0	
Benzyl alcohol	ND	ug/L	19.8	3.0	1	12/02/19 15:05	12/03/19 12:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	101-55-3	
Butylbenzylphthalate	ND	ug/L	9.9	2.5	1	12/02/19 15:05	12/03/19 12:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	19.8	2.8	1	12/02/19 15:05	12/03/19 12:24	59-50-7	
4-Chloroaniline	ND	ug/L	49.5	2.8	1	12/02/19 15:05	12/03/19 12:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.9	1.7	1	12/02/19 15:05	12/03/19 12:24	111-44-4	
2-Chloronaphthalene	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	91-58-7	
2-Chlorophenol	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	7005-72-3	
Chrysene	ND	ug/L	9.9	2.1	1	12/02/19 15:05	12/03/19 12:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.9	2.0	1	12/02/19 15:05	12/03/19 12:24	53-70-3	
Dibenzofuran	**10.7**	ug/L	9.9	1.7	1	12/02/19 15:05	12/03/19 12:24	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	49.5	3.8	1	12/02/19 15:05	12/03/19 12:24	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	120-83-2	
Diethylphthalate	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	84-66-2	
2,4-Dimethylphenol	**62.2**	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	105-67-9	
Dimethylphthalate	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.9	2.0	1	12/02/19 15:05	12/03/19 12:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	19.8	2.2	1	12/02/19 15:05	12/03/19 12:24	534-52-1	
2,4-Dinitrophenol	ND	ug/L	49.5	5.0	1	12/02/19 15:05	12/03/19 12:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	117-84-0	
bis(2-Ethylhexyl)phthalate	**81.5**	ug/L	5.9	2.3	1	12/02/19 15:05	12/03/19 12:24	117-81-7	
Fluoranthene	ND	ug/L	9.9	2.2	1	12/02/19 15:05	12/03/19 12:24	206-44-0	
Fluorene	**36.7**	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	87-68-3	
Hexachlorobenzene	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	9.9	1.3	1	12/02/19 15:05	12/03/19 12:24	77-47-4	
Hexachloroethane	ND	ug/L	9.9	1.8	1	12/02/19 15:05	12/03/19 12:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.9	2.0	1	12/02/19 15:05	12/03/19 12:24	193-39-5	
Isophorone	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	78-59-1	

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: MW-2BR_WG_20191125 **Lab ID: 92455318001** Collected: 11/25/19 13:30 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Org SC	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
1-Methylnaphthalene	**259**	ug/L	198	28.3	20	12/02/19 15:05	12/03/19 15:48	90-12-0	
2-Methylnaphthalene	**432**	ug/L	198	28.1	20	12/02/19 15:05	12/03/19 15:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	15831-10-4	
Naphthalene	**1580**	ug/L	198	27.7	20	12/02/19 15:05	12/03/19 15:48	91-20-3	
2-Nitroaniline	ND	ug/L	49.5	2.2	1	12/02/19 15:05	12/03/19 12:24	88-74-4	
3-Nitroaniline	ND	ug/L	49.5	2.6	1	12/02/19 15:05	12/03/19 12:24	99-09-2	
4-Nitroaniline	ND	ug/L	49.5	3.3	1	12/02/19 15:05	12/03/19 12:24	100-01-6	
Nitrobenzene	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	98-95-3	
2-Nitrophenol	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	88-75-5	
4-Nitrophenol	ND	ug/L	49.5	4.2	1	12/02/19 15:05	12/03/19 12:24	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	9.9	1.7	1	12/02/19 15:05	12/03/19 12:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	9.9	1.8	1	12/02/19 15:05	12/03/19 12:24	108-60-1	
Pentachlorophenol	ND	ug/L	49.5	3.5	1	12/02/19 15:05	12/03/19 12:24	87-86-5	
Phenanthrene	**34.3**	ug/L	9.9	1.6	1	12/02/19 15:05	12/03/19 12:24	85-01-8	
Phenol	ND	ug/L	9.9	1.3	1	12/02/19 15:05	12/03/19 12:24	108-95-2	
Pyrene	ND	ug/L	9.9	2.2	1	12/02/19 15:05	12/03/19 12:24	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	9.9	1.5	1	12/02/19 15:05	12/03/19 12:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	9.9	1.4	1	12/02/19 15:05	12/03/19 12:24	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%	21-110		1	12/02/19 15:05	12/03/19 12:24	4165-60-0	
2-Fluorobiphenyl (S)	54	%	27-110		1	12/02/19 15:05	12/03/19 12:24	321-60-8	
Terphenyl-d14 (S)	62	%	31-107		1	12/02/19 15:05	12/03/19 12:24	1718-51-0	
Phenol-d6 (S)	16	%	10-110		1	12/02/19 15:05	12/03/19 12:24	13127-88-3	
2-Fluorophenol (S)	23	%	12-110		1	12/02/19 15:05	12/03/19 12:24	367-12-4	
2,4,6-Tribromophenol (S)	88	%	27-110		1	12/02/19 15:05	12/03/19 12:24	118-79-6	
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	625	154	25		12/09/19 17:11	67-64-1	
Benzene	**1100**	ug/L	25.0	3.8	25		12/09/19 17:11	71-43-2	
Bromobenzene	ND	ug/L	25.0	5.5	25		12/09/19 17:11	108-86-1	
Bromochloromethane	ND	ug/L	25.0	8.6	25		12/09/19 17:11	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	6.4	25		12/09/19 17:11	75-27-4	
Bromoform	ND	ug/L	25.0	15.4	25		12/09/19 17:11	75-25-2	
Bromomethane	ND	ug/L	50.0	15.5	25		12/09/19 17:11	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	125	83.2	25		12/09/19 17:11	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	5.6	25		12/09/19 17:11	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5.8	25		12/09/19 17:11	108-90-7	
Chloroethane	ND	ug/L	25.0	12.2	25		12/09/19 17:11	75-00-3	
Chloroform	ND	ug/L	125	58.5	25		12/09/19 17:11	67-66-3	
Chloromethane	ND	ug/L	25.0	9.7	25		12/09/19 17:11	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	5.1	25		12/09/19 17:11	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	5.1	25		12/09/19 17:11	106-43-4	

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: MW-2BR_WG_20191125 **Lab ID: 92455318001** Collected: 11/25/19 13:30 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	6.4	25		12/09/19 17:11	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	10.3	25		12/09/19 17:11	124-48-1	
Dibromomethane	ND	ug/L	25.0	11.5	25		12/09/19 17:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	7.3	25		12/09/19 17:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5.4	25		12/09/19 17:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	6.4	25		12/09/19 17:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5.6	25		12/09/19 17:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	6.7	25		12/09/19 17:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	8.4	25		12/09/19 17:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	6.1	25		12/09/19 17:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	7.3	25		12/09/19 17:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	6.4	25		12/09/19 17:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	4.7	25		12/09/19 17:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	4.0	25		12/09/19 17:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	6.8	25		12/09/19 17:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	5.3	25		12/09/19 17:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	7.4	25		12/09/19 17:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	7.7	25		12/09/19 17:11	10061-02-6	
Diisopropyl ether	ND	ug/L	25.0	5.4	25		12/09/19 17:11	108-20-3	
Ethylbenzene	**274**	ug/L	25.0	6.4	25		12/09/19 17:11	100-41-4	
Hexachloro-1,3-butadiene	**22.4J**	ug/L	25.0	11.0	25		12/09/19 17:11	87-68-3	B,C8
2-Hexanone	ND	ug/L	125	14.2	25		12/09/19 17:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	25.0	5.3	25		12/09/19 17:11	99-87-6	
Methylene Chloride	ND	ug/L	125	92.2	25		12/09/19 17:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	113	25		12/09/19 17:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	6.9	25		12/09/19 17:11	1634-04-4	
Naphthalene	**3900**	ug/L	25.0	8.8	25		12/09/19 17:11	91-20-3	M1
Styrene	**9.6J**	ug/L	25.0	6.7	25		12/09/19 17:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	8.5	25		12/09/19 17:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5.6	25		12/09/19 17:11	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	4.0	25		12/09/19 17:11	127-18-4	
Toluene	**89.2**	ug/L	25.0	6.1	25		12/09/19 17:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	8.6	25		12/09/19 17:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5.4	25		12/09/19 17:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	4.4	25		12/09/19 17:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5.9	25		12/09/19 17:11	79-00-5	
Trichloroethene	ND	ug/L	25.0	5.5	25		12/09/19 17:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.8	25		12/09/19 17:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	8.7	25		12/09/19 17:11	96-18-4	
Vinyl acetate	ND	ug/L	50.0	36.2	25		12/09/19 17:11	108-05-4	
Vinyl chloride	ND	ug/L	25.0	6.0	25		12/09/19 17:11	75-01-4	
Xylene (Total)	**226**	ug/L	25.0	15.8	25		12/09/19 17:11	1330-20-7	
m&p-Xylene	**143**	ug/L	50.0	10.2	25		12/09/19 17:11	179601-23-1	
o-Xylene	**82.5**	ug/L	25.0	5.5	25		12/09/19 17:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		25		12/09/19 17:11	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: MW-2BR_WG_20191125 **Lab ID: 92455318001** Collected: 11/25/19 13:30 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	70-130		25		12/09/19 17:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		12/09/19 17:11	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: TRIP BLANK **Lab ID: 92455318002** Collected: 11/25/19 00:00 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	25.0	6.2	1		12/06/19 04:59	67-64-1	
Benzene	ND	ug/L	1.0	0.15	1		12/06/19 04:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.22	1		12/06/19 04:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.34	1		12/06/19 04:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.26	1		12/06/19 04:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.62	1		12/06/19 04:59	75-25-2	
Bromomethane	ND	ug/L	2.0	0.62	1		12/06/19 04:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	3.3	1		12/06/19 04:59	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.22	1		12/06/19 04:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/06/19 04:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.49	1		12/06/19 04:59	75-00-3	
Chloroform	ND	ug/L	5.0	2.3	1		12/06/19 04:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.39	1		12/06/19 04:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.20	1		12/06/19 04:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.20	1		12/06/19 04:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.26	1		12/06/19 04:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.41	1		12/06/19 04:59	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.46	1		12/06/19 04:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.29	1		12/06/19 04:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.22	1		12/06/19 04:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.26	1		12/06/19 04:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		12/06/19 04:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.27	1		12/06/19 04:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		12/06/19 04:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.24	1		12/06/19 04:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.29	1		12/06/19 04:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.25	1		12/06/19 04:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.19	1		12/06/19 04:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.16	1		12/06/19 04:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/06/19 04:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.21	1		12/06/19 04:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.30	1		12/06/19 04:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.31	1		12/06/19 04:59	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		12/06/19 04:59	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.26	1		12/06/19 04:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.44	1		12/06/19 04:59	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.57	1		12/06/19 04:59	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.21	1		12/06/19 04:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	3.7	1		12/06/19 04:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	4.5	1		12/06/19 04:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		12/06/19 04:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		12/06/19 04:59	91-20-3	
Styrene	ND	ug/L	1.0	0.27	1		12/06/19 04:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		12/06/19 04:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		12/06/19 04:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.16	1		12/06/19 04:59	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Sample: TRIP BLANK **Lab ID: 92455318002** Collected: 11/25/19 00:00 Received: 11/26/19 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260B								
Toluene	ND	ug/L	1.0	0.24	1		12/06/19 04:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.34	1		12/06/19 04:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.22	1		12/06/19 04:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		12/06/19 04:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.24	1		12/06/19 04:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.22	1		12/06/19 04:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.31	1		12/06/19 04:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.35	1		12/06/19 04:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.4	1		12/06/19 04:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		12/06/19 04:59	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.63	1		12/06/19 04:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		12/06/19 04:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		12/06/19 04:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/06/19 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		12/06/19 04:59	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		12/06/19 04:59	2037-26-5	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

QC Batch: 513096
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92455318002

METHOD BLANK: 2750693
Matrix: Water
Associated Lab Samples: 92455318002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.34	12/05/19 22:37	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	12/05/19 22:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	12/05/19 22:37	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.24	12/05/19 22:37	
1,1-Dichloroethane	ug/L	ND	1.0	0.27	12/05/19 22:37	
1,1-Dichloroethene	ug/L	ND	1.0	0.24	12/05/19 22:37	
1,1-Dichloropropene	ug/L	ND	1.0	0.21	12/05/19 22:37	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.34	12/05/19 22:37	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.35	12/05/19 22:37	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.22	12/05/19 22:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.26	12/05/19 22:37	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.29	12/05/19 22:37	
1,2-Dichloroethane	ug/L	ND	1.0	0.34	12/05/19 22:37	
1,2-Dichloropropane	ug/L	ND	1.0	0.19	12/05/19 22:37	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.22	12/05/19 22:37	
1,3-Dichloropropane	ug/L	ND	1.0	0.16	12/05/19 22:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.26	12/05/19 22:37	
2,2-Dichloropropane	ug/L	ND	1.0	0.27	12/05/19 22:37	
2-Butanone (MEK)	ug/L	ND	5.0	3.3	12/05/19 22:37	
2-Chlorotoluene	ug/L	ND	1.0	0.20	12/05/19 22:37	
2-Hexanone	ug/L	ND	5.0	0.57	12/05/19 22:37	
4-Chlorotoluene	ug/L	ND	1.0	0.20	12/05/19 22:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	4.5	12/05/19 22:37	
Acetone	ug/L	ND	25.0	6.2	12/05/19 22:37	
Benzene	ug/L	ND	1.0	0.15	12/05/19 22:37	
Bromobenzene	ug/L	ND	1.0	0.22	12/05/19 22:37	
Bromochloromethane	ug/L	ND	1.0	0.34	12/05/19 22:37	
Bromodichloromethane	ug/L	ND	1.0	0.26	12/05/19 22:37	
Bromoform	ug/L	ND	1.0	0.62	12/05/19 22:37	
Bromomethane	ug/L	ND	2.0	0.62	12/05/19 22:37	
Carbon tetrachloride	ug/L	ND	1.0	0.22	12/05/19 22:37	
Chlorobenzene	ug/L	ND	1.0	0.23	12/05/19 22:37	
Chloroethane	ug/L	ND	1.0	0.49	12/05/19 22:37	
Chloroform	ug/L	ND	5.0	2.3	12/05/19 22:37	
Chloromethane	ug/L	ND	1.0	0.39	12/05/19 22:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	12/05/19 22:37	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.30	12/05/19 22:37	
Dibromochloromethane	ug/L	ND	1.0	0.41	12/05/19 22:37	
Dibromomethane	ug/L	ND	1.0	0.46	12/05/19 22:37	
Dichlorodifluoromethane	ug/L	ND	1.0	0.23	12/05/19 22:37	
Diisopropyl ether	ug/L	ND	1.0	0.22	12/05/19 22:37	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

METHOD BLANK: 2750693 Matrix: Water
Associated Lab Samples: 92455318002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	1.0	0.26	12/05/19 22:37	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.44	12/05/19 22:37	
m&p-Xylene	ug/L	ND	2.0	0.41	12/05/19 22:37	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	12/05/19 22:37	
Methylene Chloride	ug/L	ND	5.0	3.7	12/05/19 22:37	
Naphthalene	ug/L	ND	1.0	0.35	12/05/19 22:37	
o-Xylene	ug/L	ND	1.0	0.22	12/05/19 22:37	
p-Isopropyltoluene	ug/L	ND	1.0	0.21	12/05/19 22:37	
Styrene	ug/L	ND	1.0	0.27	12/05/19 22:37	
Tetrachloroethene	ug/L	ND	1.0	0.16	12/05/19 22:37	
Toluene	ug/L	ND	1.0	0.24	12/05/19 22:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.25	12/05/19 22:37	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.31	12/05/19 22:37	
Trichloroethene	ug/L	ND	1.0	0.22	12/05/19 22:37	
Trichlorofluoromethane	ug/L	ND	1.0	0.31	12/05/19 22:37	
Vinyl acetate	ug/L	ND	2.0	1.4	12/05/19 22:37	
Vinyl chloride	ug/L	ND	1.0	0.24	12/05/19 22:37	
Xylene (Total)	ug/L	ND	1.0	0.63	12/05/19 22:37	
1,2-Dichloroethane-d4 (S)	%	106	70-130		12/05/19 22:37	
4-Bromofluorobenzene (S)	%	97	70-130		12/05/19 22:37	
Toluene-d8 (S)	%	99	70-130		12/05/19 22:37	

LABORATORY CONTROL SAMPLE: 2750694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.4	115	70-130	
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.8	112	70-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethene	ug/L	50	50.7	101	70-130	
1,1-Dichloropropene	ug/L	50	54.2	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	53.0	106	70-130	
1,2,3-Trichloropropane	ug/L	50	57.1	114	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.6	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	57.1	114	70-130	
1,2-Dichlorobenzene	ug/L	50	53.8	108	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	70-130	
1,2-Dichloropropane	ug/L	50	51.7	103	70-130	
1,3-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,3-Dichloropropane	ug/L	50	56.0	112	70-130	
1,4-Dichlorobenzene	ug/L	50	52.9	106	70-130	
2,2-Dichloropropane	ug/L	50	53.0	106	70-130	
2-Butanone (MEK)	ug/L	100	104	104	70-130	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

LABORATORY CONTROL SAMPLE: 2750694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	54.1	108	70-130	
2-Hexanone	ug/L	100	116	116	70-130	
4-Chlorotoluene	ug/L	50	55.0	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	109	109	70-130	
Acetone	ug/L	100	121	121	70-130	
Benzene	ug/L	50	51.6	103	70-130	
Bromobenzene	ug/L	50	55.7	111	70-130	
Bromochloromethane	ug/L	50	52.9	106	70-130	
Bromodichloromethane	ug/L	50	53.3	107	70-130	
Bromoform	ug/L	50	56.5	113	70-130	
Bromomethane	ug/L	50	44.1	88	70-130	
Carbon tetrachloride	ug/L	50	53.6	107	70-130	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	50.5	101	70-130	
Chloroform	ug/L	50	51.9	104	70-130	
Chloromethane	ug/L	50	41.9	84	70-130	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.4	111	70-130	
Dibromochloromethane	ug/L	50	57.8	116	70-130	
Dibromomethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	44.9	90	70-130	
Diisopropyl ether	ug/L	50	52.6	105	70-130	
Ethylbenzene	ug/L	50	53.8	108	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.3	101	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	54.2	108	70-130	
Methylene Chloride	ug/L	50	49.0	98	70-130	
Naphthalene	ug/L	50	55.6	111	70-130	
o-Xylene	ug/L	50	53.9	108	70-130	
p-Isopropyltoluene	ug/L	50	54.0	108	70-130	
Styrene	ug/L	50	56.1	112	70-130	
Tetrachloroethene	ug/L	50	54.3	109	70-130	
Toluene	ug/L	50	51.0	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.7	109	70-130	
Trichloroethene	ug/L	50	51.4	103	70-130	
Trichlorofluoromethane	ug/L	50	47.2	94	70-130	
Vinyl acetate	ug/L	100	102	102	70-130	
Vinyl chloride	ug/L	50	48.8	98	70-130	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

MATRIX SPIKE SAMPLE: 2750832

Parameter	Units	92454825005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	18.5	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	17.7	89	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	16.8	84	70-130	
1,1-Dichloroethane	ug/L	ND	20	17.2	86	70-130	
1,1-Dichloroethene	ug/L	ND	20	18.4	92	70-130	
1,1-Dichloropropene	ug/L	ND	20	19.1	95	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	16.2	81	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	17.7	89	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	16.0	80	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	16.5	82	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	ND	20	17.1	85	70-130	
1,2-Dichloropropane	ug/L	ND	20	16.8	84	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	17.6	88	70-130	
1,3-Dichloropropane	ug/L	ND	20	18.4	92	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	17.5	87	70-130	
2,2-Dichloropropane	ug/L	ND	20	18.3	91	70-130	
2-Butanone (MEK)	ug/L	ND	40	31.6	79	70-130	
2-Chlorotoluene	ug/L	ND	20	18.1	91	70-130	
2-Hexanone	ug/L	ND	40	32.7	82	70-130	
4-Chlorotoluene	ug/L	ND	20	18.5	92	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	31.1	78	70-130	
Acetone	ug/L	ND	40	32.5	81	70-130	
Benzene	ug/L	ND	20	17.4	87	70-130	
Bromobenzene	ug/L	ND	20	18.4	92	70-130	
Bromochloromethane	ug/L	ND	20	18.0	90	70-130	
Bromodichloromethane	ug/L	ND	20	17.0	85	70-130	
Bromoform	ug/L	ND	20	15.8	79	70-130	
Bromomethane	ug/L	ND	20	22.0	110	70-130	
Carbon tetrachloride	ug/L	ND	20	18.4	92	70-130	
Chlorobenzene	ug/L	ND	20	18.2	91	70-130	
Chloroethane	ug/L	ND	20	17.7	88	70-130	
Chloroform	ug/L	ND	20	18.1	91	70-130	
Chloromethane	ug/L	ND	20	14.9	74	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	17.1	86	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	16.6	83	70-130	
Dibromochloromethane	ug/L	ND	20	17.5	88	70-130	
Dibromomethane	ug/L	ND	20	16.1	81	70-130	
Dichlorodifluoromethane	ug/L	ND	20	17.5	88	70-130	
Diisopropyl ether	ug/L	ND	20	16.8	84	70-130	
Ethylbenzene	ug/L	ND	20	18.5	92	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	15.4	77	70-130	
m&p-Xylene	ug/L	ND	40	36.3	91	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.4	87	70-130	
Methylene Chloride	ug/L	ND	20	17.2	86	70-130	
Naphthalene	ug/L	ND	20	16.6	83	70-130	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

MATRIX SPIKE SAMPLE: 2750832

Parameter	Units	92454825005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	18.2	91	70-130	
p-Isopropyltoluene	ug/L	ND	20	17.6	88	70-130	
Styrene	ug/L	ND	20	17.9	90	70-130	
Tetrachloroethene	ug/L	ND	20	18.1	90	70-130	
Toluene	ug/L	ND	20	16.6	83	70-130	
trans-1,2-Dichloroethene	ug/L	ND	20	17.4	87	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	16.5	83	70-130	
Trichloroethene	ug/L	ND	20	17.0	85	70-130	
Trichlorofluoromethane	ug/L	ND	20	17.6	88	70-130	
Vinyl acetate	ug/L	ND	40	31.3	78	70-130	
Vinyl chloride	ug/L	ND	20	17.1	85	70-130	
Xylene (Total)	ug/L	ND	60	54.5	91	70-130	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 2750831

Parameter	Units	92454825003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L		ND			
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L		ND			
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L		ND			
1,2,3-Trichlorobenzene	ug/L		ND			
1,2,3-Trichloropropane	ug/L		ND			
1,2,4-Trichlorobenzene	ug/L		ND			
1,2-Dibromo-3-chloropropane	ug/L		ND			
1,2-Dichlorobenzene	ug/L		ND			
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,3-Dichloropropane	ug/L		ND			
1,4-Dichlorobenzene	ug/L		ND			
2,2-Dichloropropane	ug/L		ND			
2-Butanone (MEK)	ug/L		ND			
2-Chlorotoluene	ug/L		ND			
2-Hexanone	ug/L		ND			
4-Chlorotoluene	ug/L		ND			
4-Methyl-2-pentanone (MIBK)	ug/L		ND			
Acetone	ug/L		ND			
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L		ND			

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

SAMPLE DUPLICATE: 2750831

Parameter	Units	92454825003 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L		ND			
Bromodichloromethane	ug/L		ND			
Bromoform	ug/L		ND			
Bromomethane	ug/L		ND			
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L		ND			
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L		ND			
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L		ND			
Dibromochloromethane	ug/L		ND			
Dibromomethane	ug/L		ND			
Dichlorodifluoromethane	ug/L		ND			
Diisopropyl ether	ug/L		ND			
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L		ND			
m&p-Xylene	ug/L		ND		30	
Methyl-tert-butyl ether	ug/L		ND			
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L		ND			
o-Xylene	ug/L		ND		30	
p-Isopropyltoluene	ug/L		ND			
Styrene	ug/L		ND			
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L		ND			
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L		ND			
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	107			
4-Bromofluorobenzene (S)	%	97	95			
Toluene-d8 (S)	%	97	95			

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

QC Batch: 513467
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92455318001

METHOD BLANK: 2752621
Matrix: Water
Associated Lab Samples: 92455318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.34	12/09/19 16:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	12/09/19 16:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	12/09/19 16:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.24	12/09/19 16:54	
1,1-Dichloroethane	ug/L	ND	1.0	0.27	12/09/19 16:54	
1,1-Dichloroethene	ug/L	ND	1.0	0.24	12/09/19 16:54	
1,1-Dichloropropene	ug/L	ND	1.0	0.21	12/09/19 16:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.34	12/09/19 16:54	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.35	12/09/19 16:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.22	12/09/19 16:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.26	12/09/19 16:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.29	12/09/19 16:54	
1,2-Dichloroethane	ug/L	ND	1.0	0.34	12/09/19 16:54	
1,2-Dichloropropane	ug/L	ND	1.0	0.19	12/09/19 16:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.22	12/09/19 16:54	
1,3-Dichloropropane	ug/L	ND	1.0	0.16	12/09/19 16:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.26	12/09/19 16:54	
2,2-Dichloropropane	ug/L	ND	1.0	0.27	12/09/19 16:54	
2-Butanone (MEK)	ug/L	ND	5.0	3.3	12/09/19 16:54	
2-Chlorotoluene	ug/L	ND	1.0	0.20	12/09/19 16:54	
2-Hexanone	ug/L	ND	5.0	0.57	12/09/19 16:54	
4-Chlorotoluene	ug/L	ND	1.0	0.20	12/09/19 16:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	4.5	12/09/19 16:54	
Acetone	ug/L	ND	25.0	6.2	12/09/19 16:54	
Benzene	ug/L	ND	1.0	0.15	12/09/19 16:54	
Bromobenzene	ug/L	ND	1.0	0.22	12/09/19 16:54	
Bromochloromethane	ug/L	ND	1.0	0.34	12/09/19 16:54	
Bromodichloromethane	ug/L	ND	1.0	0.26	12/09/19 16:54	
Bromoform	ug/L	ND	1.0	0.62	12/09/19 16:54	
Bromomethane	ug/L	ND	2.0	0.62	12/09/19 16:54	
Carbon tetrachloride	ug/L	ND	1.0	0.22	12/09/19 16:54	
Chlorobenzene	ug/L	ND	1.0	0.23	12/09/19 16:54	
Chloroethane	ug/L	ND	1.0	0.49	12/09/19 16:54	
Chloroform	ug/L	ND	5.0	2.3	12/09/19 16:54	
Chloromethane	ug/L	ND	1.0	0.39	12/09/19 16:54	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	12/09/19 16:54	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.30	12/09/19 16:54	
Dibromochloromethane	ug/L	ND	1.0	0.41	12/09/19 16:54	
Dibromomethane	ug/L	ND	1.0	0.46	12/09/19 16:54	
Dichlorodifluoromethane	ug/L	ND	1.0	0.23	12/09/19 16:54	
Diisopropyl ether	ug/L	ND	1.0	0.22	12/09/19 16:54	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

METHOD BLANK: 2752621 Matrix: Water
Associated Lab Samples: 92455318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	1.0	0.26	12/09/19 16:54	
Hexachloro-1,3-butadiene	ug/L	1.6	1.0	0.44	12/09/19 16:54	
m&p-Xylene	ug/L	ND	2.0	0.41	12/09/19 16:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	12/09/19 16:54	
Methylene Chloride	ug/L	ND	5.0	3.7	12/09/19 16:54	
Naphthalene	ug/L	ND	1.0	0.35	12/09/19 16:54	
o-Xylene	ug/L	ND	1.0	0.22	12/09/19 16:54	
p-Isopropyltoluene	ug/L	ND	1.0	0.21	12/09/19 16:54	
Styrene	ug/L	ND	1.0	0.27	12/09/19 16:54	
Tetrachloroethene	ug/L	ND	1.0	0.16	12/09/19 16:54	
Toluene	ug/L	ND	1.0	0.24	12/09/19 16:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.25	12/09/19 16:54	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.31	12/09/19 16:54	
Trichloroethene	ug/L	ND	1.0	0.22	12/09/19 16:54	
Trichlorofluoromethane	ug/L	ND	1.0	0.31	12/09/19 16:54	
Vinyl acetate	ug/L	ND	2.0	1.4	12/09/19 16:54	
Vinyl chloride	ug/L	ND	1.0	0.24	12/09/19 16:54	
Xylene (Total)	ug/L	ND	1.0	0.63	12/09/19 16:54	
1,2-Dichloroethane-d4 (S)	%	101	70-130		12/09/19 16:54	
4-Bromofluorobenzene (S)	%	104	70-130		12/09/19 16:54	
Toluene-d8 (S)	%	99	70-130		12/09/19 16:54	

LABORATORY CONTROL SAMPLE: 2752622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.5	95	70-130	
1,1,1-Trichloroethane	ug/L	50	47.6	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.6	95	70-130	
1,1,2-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1-Dichloroethane	ug/L	50	49.0	98	70-130	
1,1-Dichloroethene	ug/L	50	48.8	98	70-130	
1,1-Dichloropropene	ug/L	50	50.9	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.4	103	70-130	
1,2,3-Trichloropropane	ug/L	50	47.9	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.0	100	70-130	
1,2-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dichloroethane	ug/L	50	47.2	94	70-130	
1,2-Dichloropropane	ug/L	50	48.2	96	70-130	
1,3-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,3-Dichloropropane	ug/L	50	49.1	98	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
2,2-Dichloropropane	ug/L	50	44.6	89	70-130	
2-Butanone (MEK)	ug/L	100	99.2	99	70-130	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

LABORATORY CONTROL SAMPLE: 2752622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	48.7	97	70-130	
2-Hexanone	ug/L	100	92.2	92	70-130	
4-Chlorotoluene	ug/L	50	49.1	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.4	93	70-130	
Acetone	ug/L	100	98.2	98	70-130	
Benzene	ug/L	50	47.9	96	70-130	
Bromobenzene	ug/L	50	50.0	100	70-130	
Bromochloromethane	ug/L	50	48.5	97	70-130	
Bromodichloromethane	ug/L	50	46.7	93	70-130	
Bromoform	ug/L	50	48.5	97	70-130	
Bromomethane	ug/L	50	60.9	122	70-130	
Carbon tetrachloride	ug/L	50	46.6	93	70-130	
Chlorobenzene	ug/L	50	48.1	96	70-130	
Chloroethane	ug/L	50	46.4	93	70-130	
Chloroform	ug/L	50	49.6	99	70-130	
Chloromethane	ug/L	50	45.9	92	70-130	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	70-130	
Dibromochloromethane	ug/L	50	47.6	95	70-130	
Dibromomethane	ug/L	50	48.5	97	70-130	
Dichlorodifluoromethane	ug/L	50	50.1	100	70-130	
Diisopropyl ether	ug/L	50	48.4	97	70-130	
Ethylbenzene	ug/L	50	49.0	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	56.2	112	70-130	
m&p-Xylene	ug/L	100	95.5	95	70-130	
Methyl-tert-butyl ether	ug/L	50	48.2	96	70-130	
Methylene Chloride	ug/L	50	47.1	94	70-130	
Naphthalene	ug/L	50	49.0	98	70-130	
o-Xylene	ug/L	50	47.3	95	70-130	
p-Isopropyltoluene	ug/L	50	48.3	97	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	44.6	89	70-130	
Toluene	ug/L	50	47.6	95	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.5	97	70-130	
Trichloroethene	ug/L	50	47.2	94	70-130	
Trichlorofluoromethane	ug/L	50	45.4	91	70-130	
Vinyl acetate	ug/L	100	97.7	98	70-130	
Vinyl chloride	ug/L	50	52.9	106	70-130	
Xylene (Total)	ug/L	150	143	95	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752623 2752624

Parameter	Units	92455318001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	500	500	543	543	109	109	70-130	0	30	
1,1,1-Trichloroethane	ug/L	ND	500	500	550	539	110	108	70-130	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	500	500	522	519	104	104	70-130	1	30	
1,1,2-Trichloroethane	ug/L	ND	500	500	543	519	109	104	70-130	4	30	
1,1-Dichloroethane	ug/L	ND	500	500	547	545	109	109	70-130	0	30	
1,1-Dichloroethene	ug/L	ND	500	500	579	574	116	115	70-130	1	30	
1,1-Dichloropropene	ug/L	ND	500	500	597	590	119	118	70-130	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	500	500	532	582	106	116	70-130	9	30	
1,2,3-Trichloropropane	ug/L	ND	500	500	534	540	107	108	70-130	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	500	500	552	563	110	113	70-130	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	500	500	527	547	105	109	70-130	4	30	
1,2-Dichlorobenzene	ug/L	ND	500	500	560	539	112	108	70-130	4	30	
1,2-Dichloroethane	ug/L	ND	500	500	521	518	104	104	70-130	1	30	
1,2-Dichloropropane	ug/L	ND	500	500	539	540	108	108	70-130	0	30	
1,3-Dichlorobenzene	ug/L	ND	500	500	565	555	113	111	70-130	2	30	
1,3-Dichloropropane	ug/L	ND	500	500	553	541	111	108	70-130	2	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	551	551	110	110	70-130	0	30	
2,2-Dichloropropane	ug/L	ND	500	500	544	542	108	108	70-130	0	30	
2-Butanone (MEK)	ug/L	ND	1000	1000	988	1030	99	103	70-130	5	30	
2-Chlorotoluene	ug/L	ND	500	500	559	556	112	111	70-130	1	30	
2-Hexanone	ug/L	ND	1000	1000	986	1010	99	101	70-130	2	30	
4-Chlorotoluene	ug/L	ND	500	500	573	555	115	111	70-130	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1000	1000	993	1030	99	103	70-130	4	30	
Acetone	ug/L	ND	1000	1000	1010	1050	101	105	70-130	3	30	
Benzene	ug/L	1100	500	500	1650	1650	111	110	70-130	0	30	
Bromobenzene	ug/L	ND	500	500	561	557	112	111	70-130	1	30	
Bromochloromethane	ug/L	ND	500	500	551	524	110	105	70-130	5	30	
Bromodichloromethane	ug/L	ND	500	500	546	525	109	105	70-130	4	30	
Bromoform	ug/L	ND	500	500	514	510	103	102	70-130	1	30	
Bromomethane	ug/L	ND	500	500	746	711	149	142	70-130	5	30	M1
Carbon tetrachloride	ug/L	ND	500	500	554	545	111	109	70-130	2	30	
Chlorobenzene	ug/L	ND	500	500	554	543	111	109	70-130	2	30	
Chloroethane	ug/L	ND	500	500	559	563	112	113	70-130	1	30	
Chloroform	ug/L	ND	500	500	572	564	114	113	70-130	1	30	
Chloromethane	ug/L	ND	500	500	519	517	103	102	70-130	0	30	
cis-1,2-Dichloroethene	ug/L	ND	500	500	548	548	110	110	70-130	0	30	
cis-1,3-Dichloropropene	ug/L	ND	500	500	565	558	113	112	70-130	1	30	
Dibromochloromethane	ug/L	ND	500	500	516	508	103	102	70-130	1	30	
Dibromomethane	ug/L	ND	500	500	534	528	107	106	70-130	1	30	
Dichlorodifluoromethane	ug/L	ND	500	500	594	581	119	116	70-130	2	30	
Diisopropyl ether	ug/L	ND	500	500	523	526	105	105	70-130	1	30	
Ethylbenzene	ug/L	274	500	500	841	840	113	113	70-130	0	30	
Hexachloro-1,3-butadiene	ug/L	22.4J	500	500	540	602	103	116	70-130	11	30	
m&p-Xylene	ug/L	143	1000	1000	1260	1250	111	111	70-130	0	30	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752623 2752624

Parameter	Units	92455318001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	ug/L	ND	500	500	535	532	107	106	70-130	1	30	
Methylene Chloride	ug/L	ND	500	500	549	530	110	106	70-130	3	30	
Naphthalene	ug/L	3900	500	500	4590	4640	138	149	70-130	1	30	M1
o-Xylene	ug/L	82.5	500	500	633	616	110	107	70-130	3	30	
p-Isopropyltoluene	ug/L	ND	500	500	556	566	111	113	70-130	2	30	
Styrene	ug/L	9.6J	500	500	558	545	110	107	70-130	2	30	
Tetrachloroethene	ug/L	ND	500	500	513	527	103	105	70-130	3	30	
Toluene	ug/L	89.2	500	500	631	645	108	111	70-130	2	30	
trans-1,2-Dichloroethene	ug/L	ND	500	500	566	561	113	112	70-130	1	30	
trans-1,3-Dichloropropene	ug/L	ND	500	500	550	535	110	107	70-130	3	30	
Trichloroethene	ug/L	ND	500	500	550	557	110	111	70-130	1	30	
Trichlorofluoromethane	ug/L	ND	500	500	565	553	113	111	70-130	2	30	
Vinyl acetate	ug/L	ND	1000	1000	1080	1080	108	108	70-130	0	30	
Vinyl chloride	ug/L	ND	500	500	616	621	123	124	70-130	1	30	
Xylene (Total)	ug/L	226	1500	1500	1890	1870	111	109	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						101	99	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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(704)875-9092

QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

QC Batch: 512329
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270D
Analysis Description: 8270 Water MSSV SC
Associated Lab Samples: 92455318001

METHOD BLANK: 2747190
Matrix: Water
Associated Lab Samples: 92455318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	1.4	12/02/19 13:39	
1,2-Dichlorobenzene	ug/L	ND	10.0	1.5	12/02/19 13:39	
1,3-Dichlorobenzene	ug/L	ND	10.0	1.4	12/02/19 13:39	
1,4-Dichlorobenzene	ug/L	ND	10.0	1.4	12/02/19 13:39	
1-Methylnaphthalene	ug/L	ND	10.0	1.4	12/02/19 13:39	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	10.0	1.8	12/02/19 13:39	v1
2,4,5-Trichlorophenol	ug/L	ND	10.0	1.5	12/02/19 13:39	
2,4,6-Trichlorophenol	ug/L	ND	10.0	1.4	12/02/19 13:39	
2,4-Dichlorophenol	ug/L	ND	10.0	1.6	12/02/19 13:39	
2,4-Dimethylphenol	ug/L	ND	10.0	1.6	12/02/19 13:39	
2,4-Dinitrophenol	ug/L	ND	50.0	5.1	12/02/19 13:39	
2,4-Dinitrotoluene	ug/L	ND	10.0	1.5	12/02/19 13:39	
2,6-Dinitrotoluene	ug/L	ND	10.0	1.4	12/02/19 13:39	
2-Chloronaphthalene	ug/L	ND	10.0	1.6	12/02/19 13:39	
2-Chlorophenol	ug/L	ND	10.0	1.5	12/02/19 13:39	
2-Methylnaphthalene	ug/L	ND	10.0	1.4	12/02/19 13:39	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	1.6	12/02/19 13:39	
2-Nitroaniline	ug/L	ND	50.0	2.3	12/02/19 13:39	v1
2-Nitrophenol	ug/L	ND	10.0	1.6	12/02/19 13:39	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	1.4	12/02/19 13:39	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	3.9	12/02/19 13:39	
3-Nitroaniline	ug/L	ND	50.0	2.7	12/02/19 13:39	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	2.2	12/02/19 13:39	
4-Bromophenylphenyl ether	ug/L	ND	10.0	1.5	12/02/19 13:39	
4-Chloro-3-methylphenol	ug/L	ND	20.0	2.8	12/02/19 13:39	
4-Chloroaniline	ug/L	ND	50.0	2.8	12/02/19 13:39	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	1.6	12/02/19 13:39	
4-Nitroaniline	ug/L	ND	50.0	3.4	12/02/19 13:39	
4-Nitrophenol	ug/L	ND	50.0	4.3	12/02/19 13:39	
Acenaphthene	ug/L	ND	10.0	1.6	12/02/19 13:39	
Acenaphthylene	ug/L	ND	10.0	1.5	12/02/19 13:39	
Aniline	ug/L	ND	10.0	1.2	12/02/19 13:39	
Anthracene	ug/L	ND	10.0	1.7	12/02/19 13:39	
Benzo(a)anthracene	ug/L	ND	10.0	2.1	12/02/19 13:39	
Benzo(a)pyrene	ug/L	ND	10.0	2.2	12/02/19 13:39	
Benzo(b)fluoranthene	ug/L	ND	10.0	2.2	12/02/19 13:39	
Benzo(g,h,i)perylene	ug/L	ND	10.0	2.1	12/02/19 13:39	
Benzo(k)fluoranthene	ug/L	ND	10.0	2.0	12/02/19 13:39	
Benzoic Acid	ug/L	ND	50.0	5.0	12/02/19 13:39	v1
Benzyl alcohol	ug/L	ND	20.0	3.1	12/02/19 13:39	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	1.6	12/02/19 13:39	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

METHOD BLANK: 2747190 Matrix: Water
Associated Lab Samples: 92455318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	ug/L	ND	10.0	1.7	12/02/19 13:39	v1
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	2.3	12/02/19 13:39	
Butylbenzylphthalate	ug/L	ND	10.0	2.5	12/02/19 13:39	
Chrysene	ug/L	ND	10.0	2.1	12/02/19 13:39	
Di-n-butylphthalate	ug/L	ND	10.0	2.0	12/02/19 13:39	
Di-n-octylphthalate	ug/L	ND	10.0	1.5	12/02/19 13:39	v1
Dibenz(a,h)anthracene	ug/L	ND	10.0	2.0	12/02/19 13:39	
Dibenzofuran	ug/L	ND	10.0	1.7	12/02/19 13:39	
Diethylphthalate	ug/L	ND	10.0	1.6	12/02/19 13:39	
Dimethylphthalate	ug/L	ND	10.0	1.4	12/02/19 13:39	
Fluoranthene	ug/L	ND	10.0	2.2	12/02/19 13:39	
Fluorene	ug/L	ND	10.0	1.6	12/02/19 13:39	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	1.6	12/02/19 13:39	
Hexachlorobenzene	ug/L	ND	10.0	1.7	12/02/19 13:39	
Hexachlorocyclopentadiene	ug/L	ND	10.0	1.3	12/02/19 13:39	v3
Hexachloroethane	ug/L	ND	10.0	1.8	12/02/19 13:39	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	2.0	12/02/19 13:39	
Isophorone	ug/L	ND	10.0	1.5	12/02/19 13:39	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	1.7	12/02/19 13:39	v1
N-Nitrosodimethylamine	ug/L	ND	10.0	1.6	12/02/19 13:39	
N-Nitrosodiphenylamine	ug/L	ND	10.0	1.4	12/02/19 13:39	
Naphthalene	ug/L	ND	10.0	1.4	12/02/19 13:39	
Nitrobenzene	ug/L	ND	10.0	1.6	12/02/19 13:39	
Pentachlorophenol	ug/L	ND	50.0	3.5	12/02/19 13:39	
Phenanthrene	ug/L	ND	10.0	1.6	12/02/19 13:39	
Phenol	ug/L	ND	10.0	1.3	12/02/19 13:39	
Pyrene	ug/L	ND	10.0	2.2	12/02/19 13:39	
2,4,6-Tribromophenol (S)	%	34	27-110		12/02/19 13:39	
2-Fluorobiphenyl (S)	%	41	27-110		12/02/19 13:39	
2-Fluorophenol (S)	%	30	12-110		12/02/19 13:39	
Nitrobenzene-d5 (S)	%	47	21-110		12/02/19 13:39	
Phenol-d6 (S)	%	21	10-110		12/02/19 13:39	
Terphenyl-d14 (S)	%	59	31-107		12/02/19 13:39	

LABORATORY CONTROL SAMPLE & LCSD: 2747191 2747198

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	31.3	36.2	63	72	70-130	15	30	
1,2-Dichlorobenzene	ug/L	50	31.0	34.9	62	70	70-130	12	30	
1,3-Dichlorobenzene	ug/L	50	29.7	33.4	59	67	70-130	12	30	
1,4-Dichlorobenzene	ug/L	50	30.2	34.0	60	68	70-130	12	30	
1-Methylnaphthalene	ug/L	50	35.2	41.4	70	83	70-130	16	30	
2,2'-Oxybis(1-chloropropane)	ug/L	50	39.6	46.6	79	93	70-130	16	30	v1
2,4,5-Trichlorophenol	ug/L	50	36.7	41.7	73	83	70-130	13	30	

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

LABORATORY CONTROL SAMPLE & LCSD: 2747191 2747198

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,6-Trichlorophenol	ug/L	50	40.3	45.8	81	92	70-130	13	30	
2,4-Dichlorophenol	ug/L	50	35.8	43.4	72	87	70-130	19	30	
2,4-Dimethylphenol	ug/L	50	37.9	46.1	76	92	70-130	20	30	
2,4-Dinitrophenol	ug/L	250	203	247	81	99	70-130	20	30	
2,4-Dinitrotoluene	ug/L	50	43.2	49.9	86	100	70-130	14	30	
2,6-Dinitrotoluene	ug/L	50	45.9	52.2	92	104	70-130	13	30	
2-Chloronaphthalene	ug/L	50	44.2	49.6	88	99	70-130	11	30	
2-Chlorophenol	ug/L	50	34.1	40.6	68	81	70-130	17	30	
2-Methylnaphthalene	ug/L	50	35.2	41.6	70	83	70-130	17	30	
2-Methylphenol(o-Cresol)	ug/L	50	32.5	39.4	65	79	70-130	19	30	
2-Nitroaniline	ug/L	100	103	116	103	116	70-130	12	30	v1
2-Nitrophenol	ug/L	50	39.4	47.2	79	94	70-130	18	30	
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	40.1	65	80	70-130	21	30	
3,3'-Dichlorobenzidine	ug/L	100	80.6	88.4	81	88	70-130	9	30	
3-Nitroaniline	ug/L	100	86.3	99.3	86	99	70-130	14	30	
4,6-Dinitro-2-methylphenol	ug/L	100	93.2	105	93	105	70-130	11	30	
4-Bromophenylphenyl ether	ug/L	50	39.5	43.0	79	86	70-130	8	30	
4-Chloro-3-methylphenol	ug/L	100	83.2	96.8	83	97	70-130	15	30	
4-Chloroaniline	ug/L	100	78.7	92.3	79	92	70-130	16	30	
4-Chlorophenylphenyl ether	ug/L	50	40.0	45.5	80	91	70-130	13	30	
4-Nitroaniline	ug/L	100	79.7	95.6	80	96	70-130	18	30	
4-Nitrophenol	ug/L	250	115	144	46	57	70-130	22	30	
Acenaphthene	ug/L	50	42.4	47.6	85	95	70-130	12	30	
Acenaphthylene	ug/L	50	45.6	51.2	91	102	70-130	11	30	
Aniline	ug/L	50	31.1	36.9	62	74	70-130	17	30	
Anthracene	ug/L	50	44.1	48.7	88	97	70-130	10	30	
Benzo(a)anthracene	ug/L	50	45.0	50.3	90	101	70-130	11	30	
Benzo(a)pyrene	ug/L	50	44.5	49.9	89	100	70-130	11	30	
Benzo(b)fluoranthene	ug/L	50	45.7	51.8	91	104	70-130	13	30	
Benzo(g,h,i)perylene	ug/L	50	51.4	54.7	103	109	70-130	6	30	
Benzo(k)fluoranthene	ug/L	50	42.9	50.2	86	100	70-130	16	30	
Benzoic Acid	ug/L	250	108	135	43	54	70-130	22	30	v1
Benzyl alcohol	ug/L	100	64.6	80.1	65	80	70-130	21	30	
bis(2-Chloroethoxy)methane	ug/L	50	35.6	43.0	71	86	70-130	19	30	
bis(2-Chloroethyl) ether	ug/L	50	37.0	43.1	74	86	70-130	15	30	v1
bis(2-Ethylhexyl)phthalate	ug/L	50	47.0	54.5	94	109	70-130	15	30	
Butylbenzylphthalate	ug/L	50	47.2	53.8	94	108	70-130	13	30	
Chrysene	ug/L	50	39.9	44.9	80	90	70-130	12	30	
Di-n-butylphthalate	ug/L	50	41.0	46.6	82	93	70-130	13	30	
Di-n-octylphthalate	ug/L	50	47.1	52.7	94	105	70-130	11	30	v1
Dibenz(a,h)anthracene	ug/L	50	51.0	55.1	102	110	70-130	8	30	
Dibenzofuran	ug/L	50	40.5	45.6	81	91	70-130	12	30	
Diethylphthalate	ug/L	50	39.6	45.9	79	92	70-130	15	30	
Dimethylphthalate	ug/L	50	39.7	45.2	79	90	70-130	13	30	
Fluoranthene	ug/L	50	39.3	44.3	79	89	70-130	12	30	
Fluorene	ug/L	50	43.8	49.7	88	99	70-130	12	30	
Hexachloro-1,3-butadiene	ug/L	50	26.7	30.8	53	62	70-130	14	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

LABORATORY CONTROL SAMPLE & LCSD: 2747191 2747198

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Hexachlorobenzene	ug/L	50	38.4	42.4	77	85	70-130	10	30	
Hexachlorocyclopentadiene	ug/L	50	22.8	28.7	46	57	70-130	23	30	v3
Hexachloroethane	ug/L	50	29.9	33.8	60	68	70-130	12	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	50.8	54.6	102	109	70-130	7	30	
Isophorone	ug/L	50	38.8	46.0	78	92	70-130	17	30	
N-Nitroso-di-n-propylamine	ug/L	50	41.1	48.8	82	98	70-130	17	30	v1
N-Nitrosodimethylamine	ug/L	50	23.7	28.2	47	56	70-130	17	30	
N-Nitrosodiphenylamine	ug/L	50	43.2	45.9	86	92	70-130	6	30	
Naphthalene	ug/L	50	37.5	43.7	75	87	70-130	15	30	
Nitrobenzene	ug/L	50	40.1	47.0	80	94	70-130	16	30	
Pentachlorophenol	ug/L	100	64.9	77.0	65	77	70-130	17	30	
Phenanthrene	ug/L	50	43.0	47.0	86	94	70-130	9	30	
Phenol	ug/L	50	20.1	25.2	40	50	70-130	22	30	1g,2g
Pyrene	ug/L	50	46.9	53.0	94	106	70-130	12	30	
2,4,6-Tribromophenol (S)	%				79	86	27-110			
2-Fluorobiphenyl (S)	%				77	86	27-110			
2-Fluorophenol (S)	%				49	58	12-110			
Nitrobenzene-d5 (S)	%				78	89	21-110			
Phenol-d6 (S)	%				37	45	10-110			
Terphenyl-d14 (S)	%				85	95	31-107			

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QUALIFIERS

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

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.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	Comment applies to all compounds outside control limits.
2g	Recovery did not meet 70-130% South Carolina required limits. Recovery meets method required in-house generated control limits.
B	Analyte was detected in the associated method blank.
C8	Result may be biased high due to carryover from previously analyzed sample.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER BRAMLETTE J19120005
Pace Project No.: 92455318

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92455318001	**MW-2BR_WG_20191125**	EPA 3510C	512329	EPA 8270D	512603
92455318001	**MW-2BR_WG_20191125**	EPA 8260B	513467		
92455318002	**TRIP BLANK**	EPA 8260B	513096		

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name: Synterra

Project #: WO# : 92455318

92455318

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: 11/26/19

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 93T061

Type of Ice: ☐ Wet ☐ Blue ☐ None

Cooler Temp (°C): 1.9 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 1.9

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

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 ☐ No

Did 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. 3 day TAT
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? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
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: _____

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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, LLHg

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

Project **WO#: 92455318**

PM: KLH1 **Due Date: 12/03/19**

CLIENT: 92-Duke Ener

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1										1	1✓					3												
2																2												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

trip Blank

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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A
Required Client Information:

Company:	Synterra
Address:	148 River street
Suite 220, Greenville, SC 29601	
Email:	
Phone:	Fax
Requested Due Date:	3 day turn

Section B
Required Project Information:

Report To:	Tom King
Copy To:	
Purchase Order #:	
Project Name:	Former Bramlette MGP Site
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	kevin.herring@pacelabs.com,
Pace Profile #:	7754-13

Regulatory Agency	
State / Location	SC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 Mini Bisulfate 5035 kit	8270 SVOC	8260 MS/MSD	8270 MS/MSD	Trip Blank-8260	8260	8270	Residual Chlorine (Y/N)	9245.5316
1	MW-2BR_WG_20191125	WT	G	11/25/19	1330	—			5														X	X	X		001
2																											TB-002
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3 day turn. requested	[signature]	11-26-19	1300	[signature]	11-26-19	1300				
	[signature]	11-26-19	1415	[signature] / PAL	11/26/19	1415	1.9	Y	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Tom King		
SIGNATURE of SAMPLER:	[signature]	DATE Signed:	11/25/19

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)