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DEPARTMENT OF
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OFFICE OF LAND QUALITY

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Subject:

August-September 2018 Investigation Update Report, Former Motors and Controls Manufacturing Facility, Tell City, Indiana

RCRA ID: IND006392773

Environment

Date:

October 15, 2018

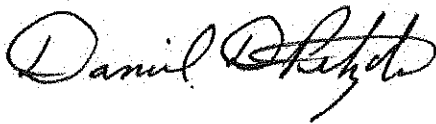
Dear Mr. Myer:

On behalf of General Electric Company (GE), Arcadis is submitting the enclosed August-September 2018 Investigation Update Report for the closed facility at 1412 13th Street, Tell City, Indiana. This report presents our findings of off-site and on-site investigations that have taken place since the previous submittal.

Please feel free to contact me at 317-236-5221 or via e-mail at Daniel.Petzold@Arcadis.com if you have any questions or comments regarding this report.

Sincerely,

Arcadis U.S., Inc.



Daniel Petzold, LPG

Senior Geologist

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IN000911.0011

General Electric Company

AUGUST – SEPTEMBER 2018 INVESTIGATION UPDATE REPORT

GE Tell City Facility
1412 13th Street
Tell City, Indiana

October 15, 2018



**AUGUST 2018
INVESTIGATION
UPDATE REPORT**

GE Tell City Facility
1412 13th Street
Tell City, Indiana

Prepared for:
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Our Ref.:
ALL00911.0017

Date:
October 15, 2018

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1 INTRODUCTION

As detailed in the Fourth Off-Site Investigation Report submitted to the Indiana Department of Environmental Management (IDEM) on August 10, 2018, Arcadis has recently performed an onsite subsurface investigation for characterization of source areas, expanded the investigation of off-site groundwater, and continued investigation of potential vapor intrusion (VI) during the summer cooling season on behalf of the General Electric Company (GE) for the closed GE Tell City manufacturing facility located at 1412 13th Street in Tell City, Perry County, Indiana (the “Site”; **Figure 1**). This report has been prepared for IDEM as an update to the on-going investigations. Arcadis previously submitted additional Off-Site Investigation Update Reports to IDEM on March 2, May 18, June 15, and August 10, 2018. This report presents results obtained after the information presented in the August 10, 2018 report through the end of September 2018.

The Site is a closed GE small motor manufacturing facility that occupies approximately 16 acres of land to the east of 13th Street and south of Payne Street (State Road 37) on the northeastern side of Tell City. It is situated in a mixed industrial/commercial/residential area, with residential sites located to the west, northwest, and southwest (**Figure 2**). Land to the northeast is agricultural, and land to the southeast is a city park. A single residence is located immediately east of the Site, adjacent to the city park. Small commercial/industrial sites are situated immediately south of the Site, and commercial sites are situated along Payne Street and along 9th, 10th, and Main Streets to the west. A small stream (Windy Creek) flows from south to north near the eastern side of the Site, and land along both sides of the stream is owned by Tell City.

A city well field is situated to the west of the developed area of Tell City (**Figure 2**). This well field is a secondary source for the municipal water supply. The primary source is a well field along 5th Street to the south. The well field shown on **Figure 2** currently includes two wells that are used for the municipal potable water supply and four wells that are used by the Waupaca Foundry as a non-potable process water supply. According to the Tell City Water Department superintendent, no private water supply wells are situated in the neighborhood between the Site and the well field to the west.

2 GEOLOGY

The Hydrogeologic Atlas of Aquifers in Indiana (Fenelon *et. al*, 1994) shows the Site as lying at the boundary between the Unglaciaded Southern Hills and Lowlands Aquifer System to the east and the Ohio River Outwash Aquifer Subsystem to the west, with the Ohio River Outwash Aquifer System lying farther west of the Site (**Figure 3**).

The southeastern portion of the Site is underlain by fill and clay that extends to at least 55 feet below grade. The only water-bearing units in this clay are thin sands that lie more than 35 feet below grade. The only bedrock to be encountered in the investigation to date is Pennsylvanian age shale at about 26 feet below grade to the east of Windy Creek and highly weathered sandstone at about 30 feet below grade in the northeastern corner of the Site. These areas are transitional to the Unglaciaded Southern Hills and Lowlands Aquifer System to the east.

The northwestern portion of the Site, extending west to about 11th Street is underlain by the Ohio River Outwash Aquifer Subsystem, where an 8 to 12-foot clayey zone overlies sand which extends to 30 to 35 feet below grade. The sand is underlain by gray clay, and a thin (2 to 5 foot) saturated zone is perched in the sand on top of the clay. To date, no soil borings have penetrated the full thickness of the deeper clay.

To the west of 11th Street, the sand aquifer thickens quickly to 90 feet or more by 7th Street (**Figure 4**). Logs for City wells to the west of 7th Street indicate that the sand extends to over 100 feet below grade at the city well field. The saturated thickness within this sand also increases to more than 50 feet. This aquifer to the west of 11th Street is the Ohio River Outwash Aquifer System.

The investigation of the three hydrogeologic regimes (southeastern on-site clayey area, Ohio River Outwash Aquifer Subsystem, and Ohio River Outwash Aquifer System) has differed in approach. Wells have been installed across the thin sand layers that are in the southeastern clayey area of the Site and in the clay that underlies the sand in the northwestern area of the Site. Single wells have been installed across the thin saturated zone of the Ohio River Outwash Aquifer Subsystem in the northwestern area of the Site and west to 11th Street. Vertical aquifer profiling (VAP) has been used to collect samples from discrete depth intervals of the thicker saturated zone of the Ohio River Outwash Aquifer System to the west of 11th Street.

3 SOURCE AREA INVESTIGATION

Arcadis previously oversaw the advancement of 21 soil borings at the Site and the sampling of shallow and deep soil for volatile organic compounds, polychlorinated biphenyls, and polynuclear aromatic hydrocarbons. This investigation identified the presence of tetrachloroethene (PCE), trichloroethene (TCE) and their degradation products cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride (together, chlorinated volatile organic compounds – CVOCs).

Historical research regarding the Site identified potential sources of CVOCs including a former chemical storage building to the north of the main plant building, a former TCE above ground storage tank (AST) to the east of the main plant building, a varnish dip tank area inside the main plant building, and several sub-grade trenches and pits inside the main plant building (**Figure 5**). Anecdotal evidence from a former employee suggested that workers emptied cups of spent TCE out of windows on the western side of the building.

The previously reported on-site and off-site groundwater investigations suggested at least two distinct parts of the groundwater impacts: a northern portion in which cis-1,2-DCE and vinyl chloride concentrations suggest significant natural degradation of the parent products, and a southern portion in which the concentrations of degradation products are much lower.

Based on the above information, Arcadis mobilized to the Site on August 9, 2018 with a direct-push drill rig and a mobile laboratory operated by Pace Analytical (Pace) to investigate the following suspected source areas:

- The northern area around the former chemical storage building,
- The former TCE AST area,
- The southwestern area of the building around the former varnish dip tank,
- Two locations outside of the western side of the main building,
- An exterior settling pit, and
- At the location of chemical storage area inside the building, as indicated on historical maps (**Figure 4**).

The suspect source areas were investigated using a direct-push drill rig operated by SCS Environmental Contracting. A one-inch diameter core barrel was advanced to 16 to 20 feet below grade at a total of 48 locations (SAP-1 through SAP-48). Soil samples were collected from the top of the first encountered natural soil (approximately 1-foot depth) and from 4, 8, 12, and 16 feet below grade at each probe location. Additional samples were collected from depths that had field evidence of impacts and from 20 feet below grade at locations where significant impacts were present at 16 feet. The samples were analyzed for VOCs via EPA test method 8260 by the on-site Pace mobile laboratory. The Pace mobile laboratory is National Environmental Laboratory Accreditation Program (NELAP) accredited in Indiana and allowed the flexibility to add and adjust sample locations as data became available.

Results of the analysis of soil are presented in **Table 1**, and the laboratory report is presented in **Appendix C**. The source area investigation found the following:

- No significant soil impacts were found at the suspect exterior settling pit (SAP-1).

THIRD OFF-SITE INVESTIGATION REPORT

- No significant soil impacts were found at the exterior sample locations on the west side of the main building (SAP-2 and SAP-3).
- No significant soil impacts were found at the reported interior chemical storage location (SAP-10 and SAP-11).
- Relatively low concentrations of CVOCs in soil were found within the footprint of the former chemical storage building.
- CVOC impacts to soil were found to the east of the former chemical storage building (northern source area).
- CVOC impacts to soil were found at the former location of the TCE AST.
- CVOC impacts to soil were found inside the southwestern corner of the main plant building.

Figure 6 presents isoconcentration lines for TCE at 1, 4, 8, 12, and 16 feet below grade in the northern source area. The isoconcentration lines indicate a north-south oriented area of elevated TCE that extends from the northeastern corner of the main plant building to a grassy area to the north of the building. The highest concentrations were found in soil from 8, 12 and 16 feet below grade, with relatively low TCE concentrations in the 1- and 4-foot depth intervals. The data indicates noticeable concentrations of CVOC degradation products and the presence of VOCs likely related to petroleum products (benzene, toluene, ethylbenzene, xylenes, trimethylbenzenes, and naphthalene). The presence of CVOCs, including evident concentrations of degradation products in this area of the Site corresponds well with the chemical make-up of the northern portion of the impacted groundwater, and Arcadis concludes that this is the likely source location for the northern area of groundwater impacts.

Figure 7 presents isoconcentration lines for TCE at 1, 4, 8, 12, and 16 feet below grade in the former TCE AST area to the east of the main plant building. The isoconcentration lines define an elevated TCE area that is centered on the location of the former AST, with the highest concentrations being in the 4-foot and deeper soil. Except for an area to the northeast at 8 feet below grade and an area to the southeast at 12 feet below grade, the soil impacts appear to be confined to the immediate area of the former TCE AST. The impacts to the southeast may co-mingle with impacts related to Area of Concern 1 (AOC-1). Given that this area of the Site is underlain by up to 50 feet of clay, with groundwater present only in thin sands within the clay below about 35 feet, this area may not be a source area for the groundwater impacts to the west. Gauging of groundwater in thin sands within the clay suggests a localized easterly groundwater flow influenced by Windy Creek.

Figure 8 presents isoconcentration lines for TCE at 1, 4, 8, 12, and 16 feet below grade inside the southwestern area of the main plant building. The isoconcentration lines indicate a relatively large and defined area of shallow soil impacts (1 and 4 feet). Deeper soil impacts (8, 12, and 16 feet) appear to migrate to the northwest under the building, with the extent of deeper soil impacts not fully delineated to the northwest and west. One or more releases in this area likely spread laterally in the gravel base below the building floor before migrating down and to the northwest in deeper soil. This area, possibly in combination with the former AST area, is the likely source area for the southern portion of the groundwater impacts.

4 GROUNDWATER INVESTIGATION RESULTS

4.1 Monitoring Well Installation

4.1.1 Methodology

The previously installed groundwater monitoring well network was expanded with the installation of four on-site monitoring wells and four off-site monitoring wells. The on-site wells (MW-9S, MW-9D, MW-10S, and MW-10D) consist of two pairs of wells (**Figure 9**). The shallow wells were installed within the unconfined sand of the Ohio River Outwash Aquifer Subsystem and the deep wells were installed across thin water-bearing sands that are within gray clay below the main sand unit. The off-site wells (MW-11, MW-12, MW-13, and MW-14) were installed within the unconfined sand of the Ohio River Outwash Aquifer Subsystem.

The location of the MW-9 well pair was sampled with a direct-push probe immediately prior to well installation to obtain the location stratigraphy. The other new wells (MW-10, MW-11, MW-12, MW-13, and MW-14) were situated at the locations of previously advanced probes, and the logs for these probes were used as a guide for positioning the well screens.

Wells were installed inside 6-inch diameter hollow stem augers. Filter sand was installed to one foot above the well screen within the augers, and granular bentonite was installed from the top of the sand to one foot below the ground surface. All wells were finished with flush-mounted protective well covers. Logs for the wells are presented in **Appendix A**. All wells were purged and developed until the water cleared of turbidity.

All wells were surveyed to within 1/100th of a foot with a laser level, using the elevations of the previously installed wells as a datum.

4.1.2 Groundwater Flow

Monitoring well MW-9S was not used in the evaluation of groundwater flow because it is apparently situated at the transition between the southeastern clay area and the Ohio River Outwash Aquifer Subsystem, and the water elevation in this well differs significantly from other shallow wells.

After surveying, wells were gauged for depth to water on September 6, 2018 (**Table 3**). **Figure 10** presents the potentiometric surface in the Ohio River Outwash Aquifer Subsystem between on-site shallow wells and off-site wells in the alley between 11th and 12th Streets to the west. Groundwater flow in this aquifer is to the northwest. **Figure 11** presents the potentiometric surface in the on-site deep, thin sand layers. Groundwater flow in these sands is to the northwest, with a slightly more northerly component than the overlying sand. Comparison of the on-site paired wells indicates an upward hydraulic head pressure between the deep and shallow wells.

A temporary piezometer (PZ-01) was installed to the northwest of monitoring well MW-7 (**Figure 9**). Gauging of MW-7 and PZ-01 indicates a local easterly flow component in the deep sand layers in the eastern area of the Site. This flow is similar to that seen in AOC-1 and likely reflects the local influence of Windy Creek.

4.2 Vertical Aquifer Profiling

Sampling of discreet depth intervals within the Ohio River Outwash Aquifer System (vertical aquifer profiling) was performed at a total of 14 locations. These locations, along with the locations of two sample points where two depth intervals were previously sampled (AP-79 and AP-80), are shown in **Figure 12**. Due to heaving sands within the Ohio River Outwash Aquifer System, the soils within this area could not be sampled using a direct push soil probe at depths greater than 55 feet below grade. Eight of these locations (AP-75B, AP-78B, AP-81B, AP-82B, AP-84, AP-85, AP-86 and AP-88) were investigated using a hydraulic profiling tool (HPT), which was driven to the first encountered confining layer at the base of the aquifer. A description of methodology of the HPT is included in the HPT report (**Appendix B**). The confining layer was identified by an observed increase in HPT pressure when advancing the HPT probe through the more transmissive sand aquifer into the less transmissive underlying clay confining layer. Based upon the HPT investigation results, the bottom of the aquifer was estimated to range from approximately 65 to 80 feet in the area of 10th Street to more than 90 feet in the area of 7th Street.

Based upon the depths to the bottom of the aquifer identified using the HPT, a discreet groundwater sampler consisting of a slotted stainless-steel screen was driven to the bottom of the aquifer, and groundwater samples were collected from multiple depth intervals as the sampler was extracted from the borehole. Three well volumes were purged from the well screen prior to sampling each depth interval to ensure that the water being sampled was representative of the specified depth interval. Groundwater samples were analysed by the Pace mobile laboratory for VOCs via EPA test method 8260.

Figure 12 presents a summary of the detected CVOCs from the VAP sampling program. The vertical distribution of TCE sample results are shown on the cross-section (**Figure 4**). The laboratory reports are presented in **Appendix C**. The results indicate that TCE in shallow groundwater to the west of 9th Street are below the RCG vapor intrusion screening levels. Higher concentrations of TCE are present within the intermediate depths of the aquifer to the west of 9th Street. TCE has been detected above the IDEM groundwater screening level in groundwater samples collected from these depth intervals in three of the six VAP borings located along 7th Street (AP-85, AP-86, and AP-88). The groundwater samples collected from VAP borings AP-84, AP-87, and AP-89 (located along 7th Street to the north and south of borings AP-85, AP-86, and AP-88) did not contain TCE above IDEM screening levels. This data indicates that TCE has been delineated to the northwest and southwest.

PCE was detected in groundwater VAP samples collected from two areas: at AP-78 and in sample points along 7th Street. The AP-78 location is down-gradient of a gun shop that local sources indicate was formerly a laundry, and the sample points along 7th Street are down-gradient of an existing dry cleaner. Based upon the lack of PCE detections between the GE property and these downgradient locations, these PCE detections appear to be from another source.

4.3 City Well Sampling

Because a portion of the city well field is located within ¼-mile to the west of the groundwater investigation area, Arcadis collected samples from city water supply wells 8 and 9, as shown on **Figure 2**. The Tell City Water Department also collected samples from these wells, along with samples from the two eastern-most city owned water supply wells that provide non-potable water to the Waupaca foundry (wells 10 and 11). Arcadis samples were analysed for VOCs via test method 524.2 at the Pace fixed laboratory

THIRD OFF-SITE INVESTIGATION REPORT

in Indianapolis, and the city samples were analysed for VOCs via test method 524.2 at Astbury Water Technology in Indianapolis. Laboratory reports are presented in **Appendix C**. No CVOC compounds were detected in the analysis of these samples. IDEM has recommended that the Tell City Water Department conduct VOC sampling on a quarterly basis.

4.4 Confining Layer Sampling

A Shelby tube soil sample was collected from the uppermost portion of the clay confining layer that underlies the sand aquifer at the location of monitoring well MW-13 for the grain size distribution and permeability analyses. The laboratory analytical report is included as **Appendix C**. This sample represents the lower confining layer in the Ohio River Outwash Aquifer Subsystem.

Analysis of the uppermost part of the lower confining layer sample indicates that the material is classified as sandy silt, with 12% clay, 49% silt, and 30% fine sand. The laboratory-derived coefficient of permeability is $7.21E^{-08}$ centimeters per second. It was noted that the sample contained interbedded fine-grained material and sandier material.

5 VAPOR INTRUSION

The status of the vapor intrusion evaluation as of October 10, 2018 is presented in **Table 4** and **Figure 13**. To date, a total of 70 structures have been identified as subjects for vapor intrusion evaluation. These include multiple structures on single properties, such as garages that have been retrofitted as apartments. A total of 61 of the 70 structures have been sampled for vapor intrusion. Fifteen structures have been offered precautionary mitigation systems, and a total of twelve mitigation systems have been installed. One homeowner refused the offer of a mitigation system. Planning for the remaining two mitigation systems is currently underway.

Arcadis has completed late summer sampling at 44 structures as either a first or second sampling event. Owners have been advised that a winter heating season sampling event will be requested in late 2018.

Arcadis will prepare comprehensive documentation of the vapor intrusion evaluation when the winter heating season sampling event is completed.

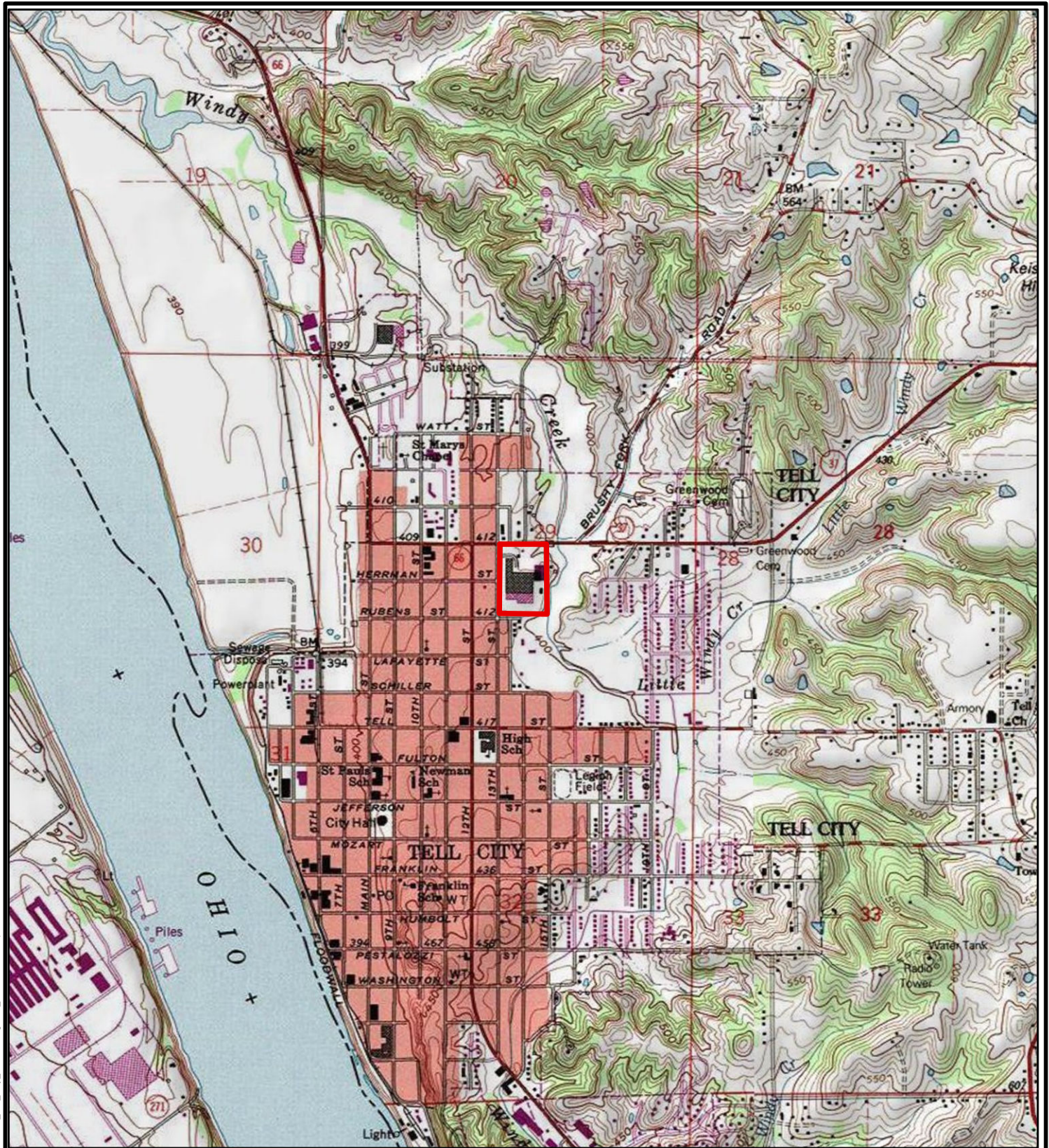
6 NEXT STEPS

At this time, Arcadis proposes the following actions as next steps in the investigation:

- Install six sets of nested monitoring wells at the proposed well locations shown on **Figure 9**. Each well location will be sampled using a sonic drilling rig to establish geology and depth to the lower confining layer. The sonic rig will be used to sample the lower confining layer in at least two locations for grain size and hydraulic conductivity analysis. The wells will be installed at the base, middle and top of the aquifer. These wells will consist of two-inch PVC that is installed in one borehole as nested well sets.
- Sample the entire groundwater monitoring well network. Wells will be sampled via low-flow techniques, with field parameters, including oxidation/reduction potential, pH, dissolved oxygen, conductivity, temperature, and turbidity collected. All samples will be analyzed for VOCs, and a subset of samples will be analyzed for natural attenuation parameters, including methane, total organic carbon, sulfate, nitrite, nitrate, and total and dissolved iron and manganese.
- Collect groundwater at up to four additional VAP sample locations. These will be collected as the previous VAP samples were collected at locations that are identified as potential data gaps.
- Collect additional soil samples from the three identified source areas at locations that are identified as potential data gaps.
- Perform slug testing and additional testing in support of a remediation feasibility study.

FIGURES





LEGEND

 APPROXIMATE PROPERTY BOUNDARY



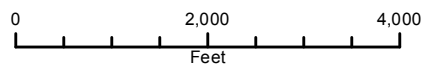
General Electric
Tell City Facility
1412 13th Street, Tell City, Indiana

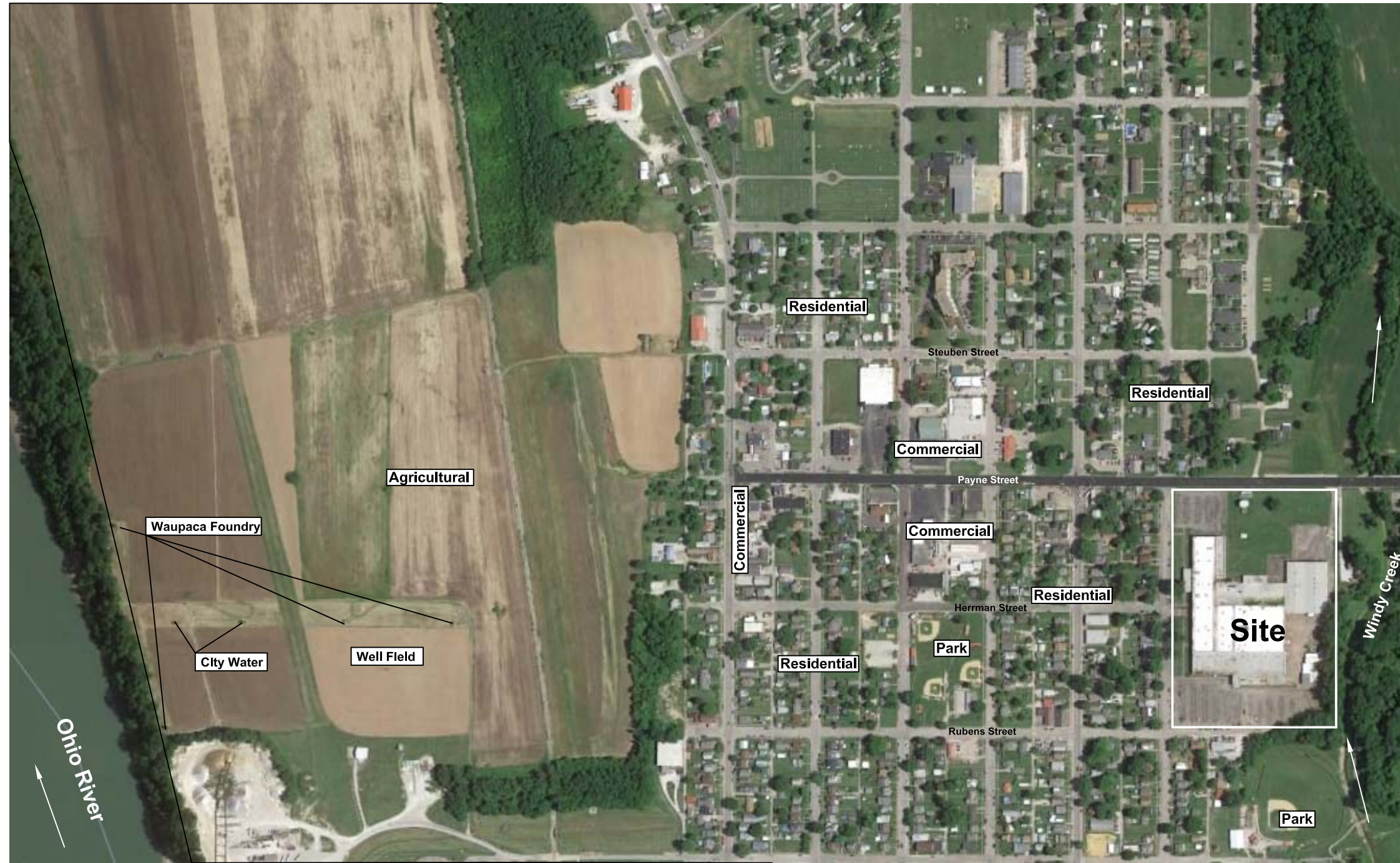
SITE LOCATION MAP



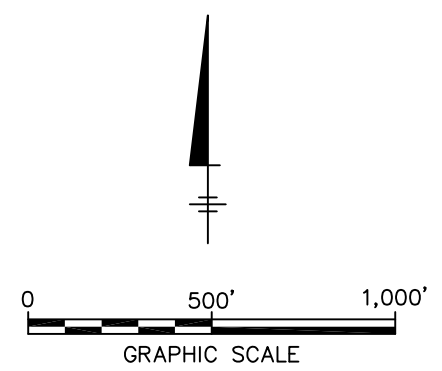
FIGURE 1

Service Layer Credits: Copyright: © 2013 National Geographic Society, i-cubed



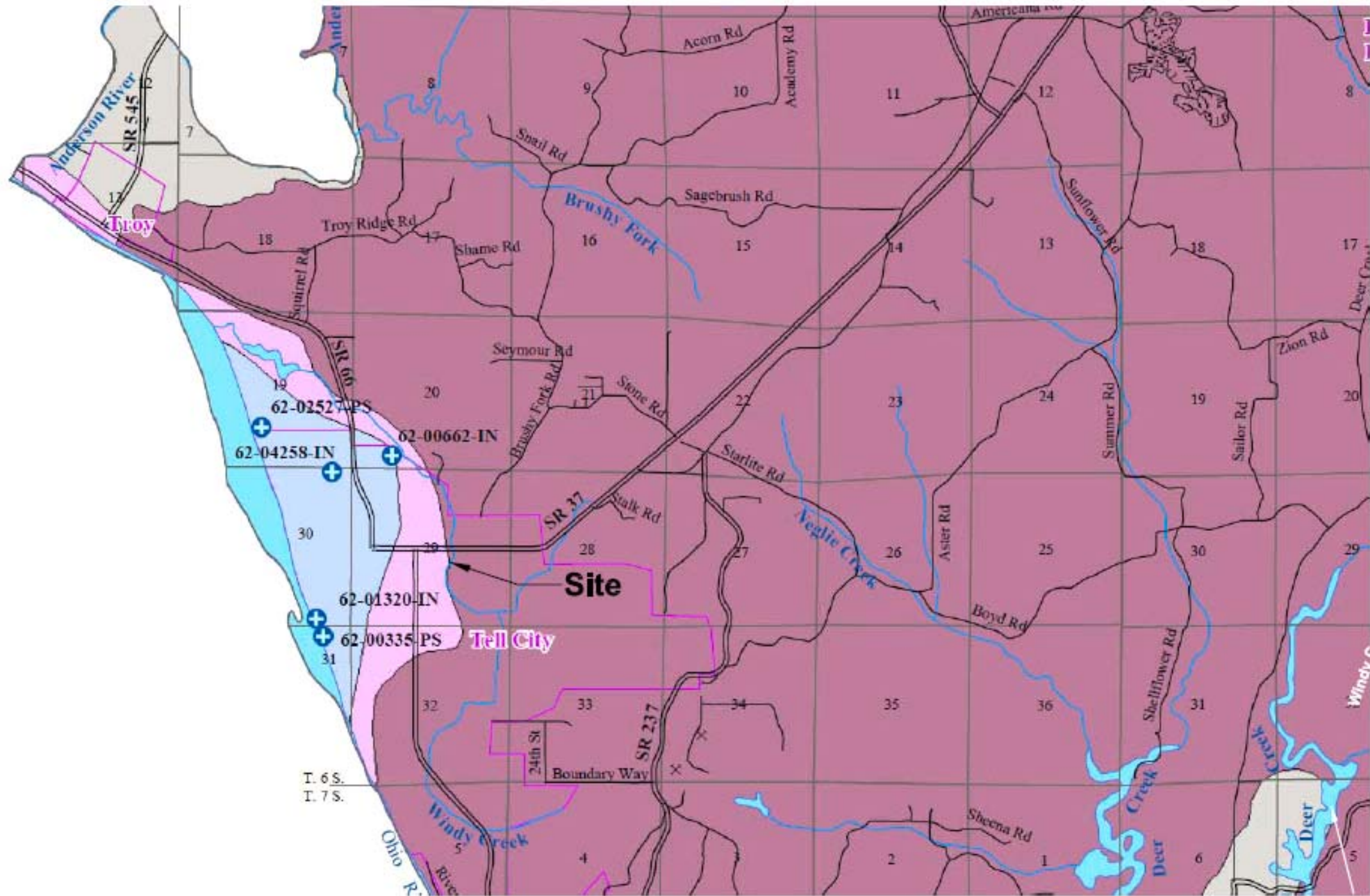


7th Street
Main Street
9th Street
10th Street
11th Street
12th Street
13th Street



GENERAL ELECTRIC
TELL CITY FACILITY
1412 13th STREET, TELL CITY, INDIANA

Area Map



Unglaciated Southern Hills and Lowlands Aquifer System

The Unglaciated Southern Hills and Lowlands Aquifer System covers most of Perry County. This aquifer system is relatively high in clay and silt content and fragmented rock, although thin deposits of sand and/or gravel are present in places. Included in this system are relatively thin deposits of alluvium, colluvium, and lacustrine materials within a few of the stream valleys.

The total thickness of the Unglaciated Southern Hills and Lowlands Aquifer System in Perry County typically ranges from less than 1 foot to 50 feet. This system has the most limited ground-water resources of the unconsolidated aquifer systems in the county. Potential yields of conventionally drilled wells in the Unglaciated Southern Hills and Lowlands Aquifer System in Perry County are generally known to be so small that wells are commonly completed in the underlying bedrock. Because of the generally low permeability of the near-surface materials, this system is not very susceptible to contamination from surface sources.

Ohio River Outwash Aquifer System

The Ohio River Outwash Aquifer System occupies portions of the main valley of the Ohio River. Great quantities of outwash from the melting glaciers were transported within this valley during the Wisconsin and pre-Wisconsin glacial periods. This aquifer system contains large volumes of sand and gravel that partially fill the main river valley. As the glaciers melted, the sediment contained within them was delivered to the Ohio River in quantities too large for the stream to transport. As a result, the increased sediment load was stored in the valley as vertical and lateral accretionary deposits. As long as the retreating glaciers continued to provide sediment in quantities too large for the stream to transport farther downstream, the valley continued to be filled. This valley-filling process formed the most prolific aquifer system in the county.

Total thickness of the Ohio River Outwash Aquifer System ranges from about 40 feet near the edge of the valley to 160 feet. The saturated sand and gravel (aquifer) thickness of the Ohio River Outwash Aquifer System is typically between 40 and 75 feet. Commonly, 25 to 35 feet of silt to sandy clay overlies the aquifer materials. However, in some areas this layer is absent.

The Ohio River Outwash Aquifer System has the potential to consistently meet the needs of domestic and high-capacity water users. Domestic well yields range from 25 to 50 gpm and static water levels range from 40 to 70 feet below the land surface. There are six registered significant ground-water withdrawal facilities (17 wells) in this system in Perry County. Reported capacities range from 180 to 900 gpm. Static water levels are typically 30 to 35 feet below the land surface.

This aquifer system is highly susceptible to contamination in areas that lack overlying clay layers. Areas within the system that are overlain by thick layers of clay or silt are moderately susceptible to surface contamination.

Ohio River Outwash Aquifer Subsystem

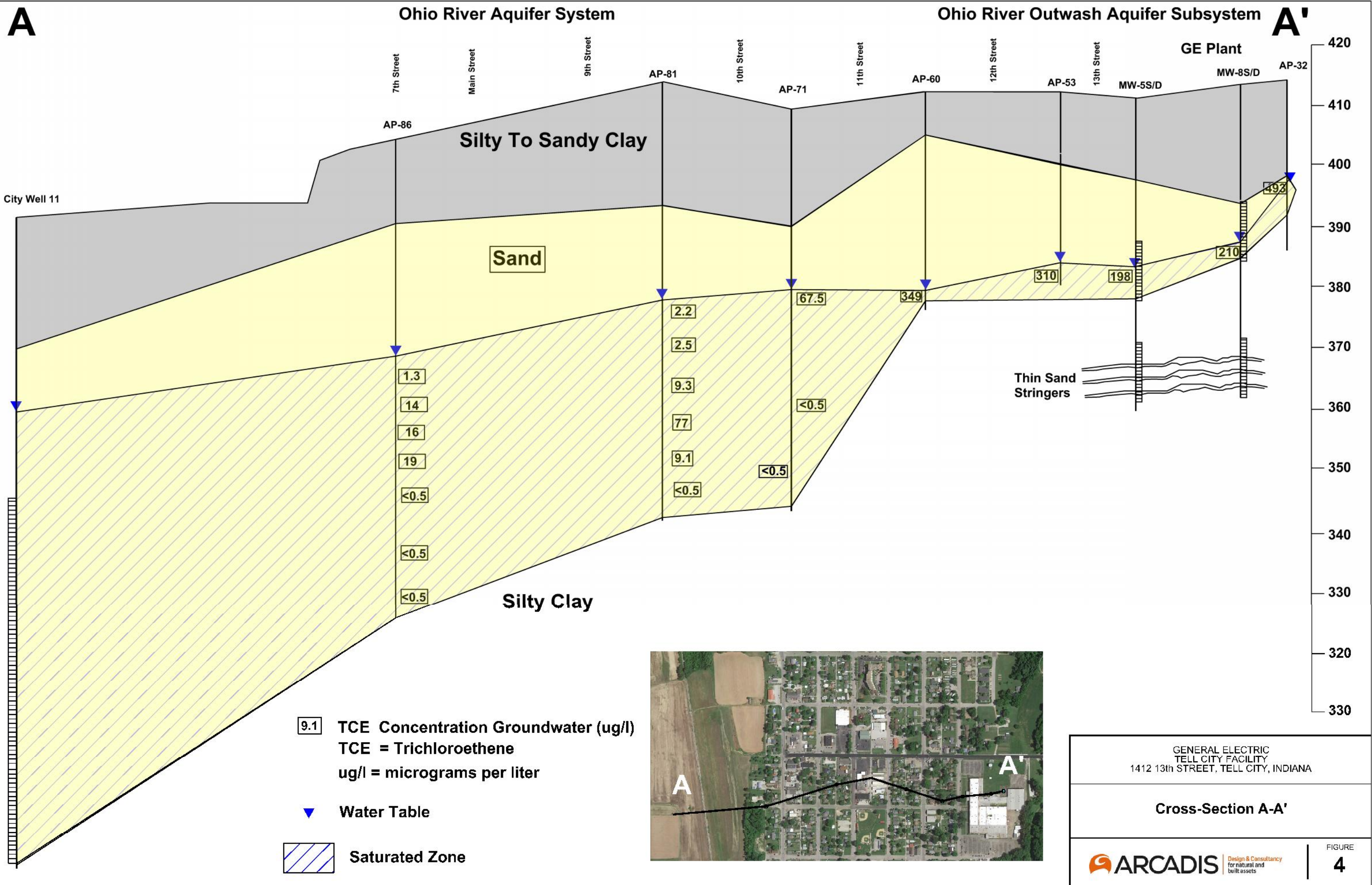
In Perry County, the Ohio River Outwash Aquifer Subsystem is generally mapped as a transitional zone, contiguous to the outwash system. The one exception where the outwash subsystem is mapped independently from the outwash system is along the Ohio River near Troy. The saturated thickness of sand and gravel in the outwash subsystem is generally less than 15 feet. In some areas silt or sandy clay, with a typical thickness ranging from 10 to 30 feet, overlies the aquifer materials.

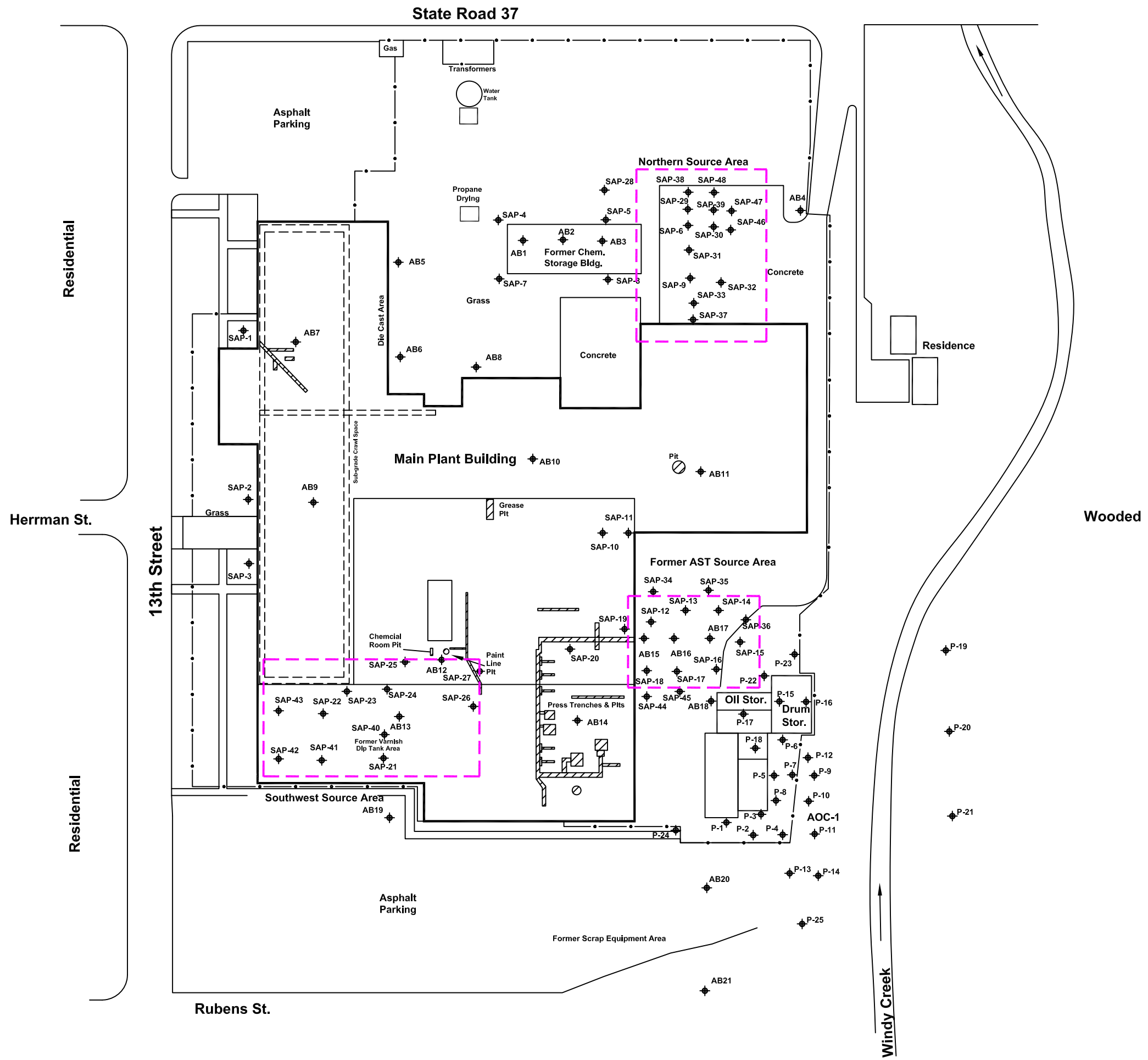
Well depths in the Ohio River Outwash Aquifer Subsystem in Perry County range from 58 to 183 feet, but wells are commonly completed at depths of about 60 to 150 feet. Domestic wells completed in the subsystem typically yield 10 to 20 gpm, with static water levels generally 30 to 55 feet below the land surface. Prospects of completing high-capacity wells in this aquifer system are limited to areas with sufficient saturated thickness and optimal well-field design. Areas within this aquifer system that have overlying clay or silt deposits are moderately susceptible to surface contamination, whereas, areas that lack overlying clay or silt deposits are highly susceptible to contamination.




Source: Hydrogeologic Atlas of Aquifers in Indiana


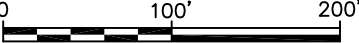


GENERAL ELECTRIC TELL CITY FACILITY 1412 13th STREET, TELL CITY, INDIANA	
Hydrogeologic Setting	
	<small>Design & Consultancy for natural and built assets</small>
FIGURE 3	





 Sub-Grade Structure
 Soil boring Location
 SAP Series Advanced in August 2018
 P Series Advanced for AOC-1 Investigation
 Source Area

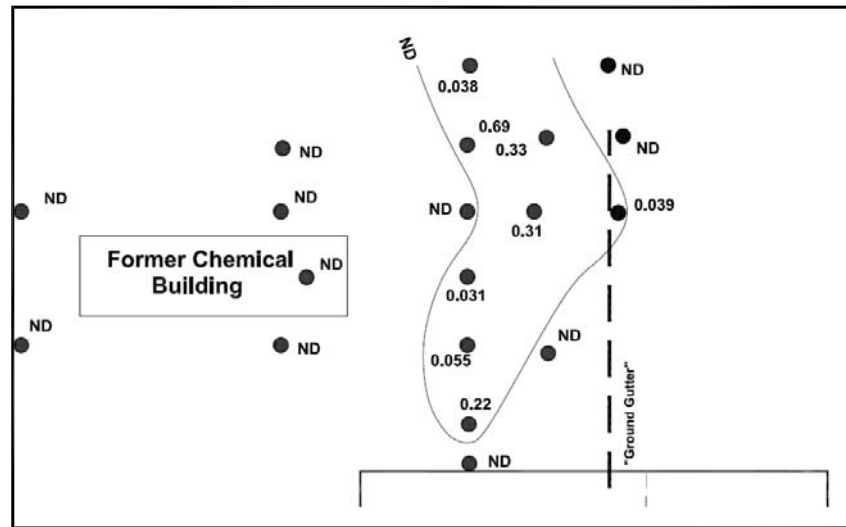


 GRAPHIC SCALE

GE TELL CITY FACILITY
 1412 13th STREET
 TELL CITY, INDIANA

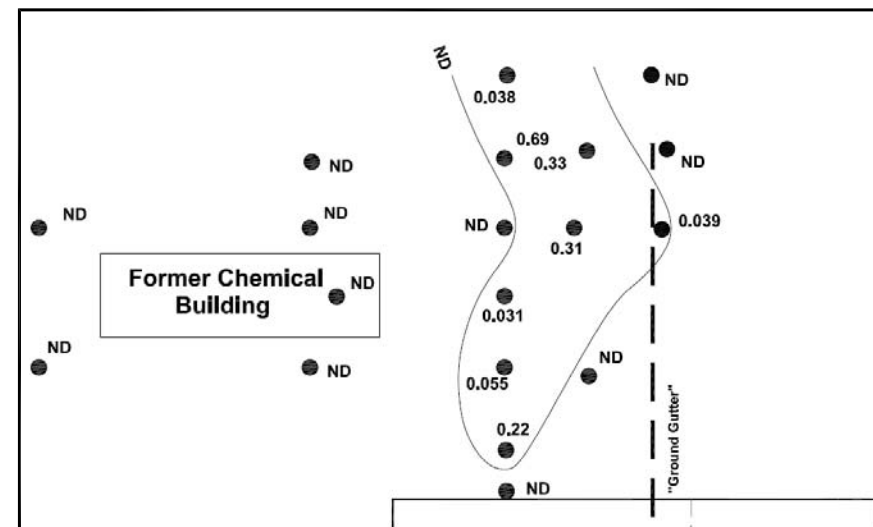
On-Site Soil Boring Locations

 Design & Consultancy
 for natural and
 built assets

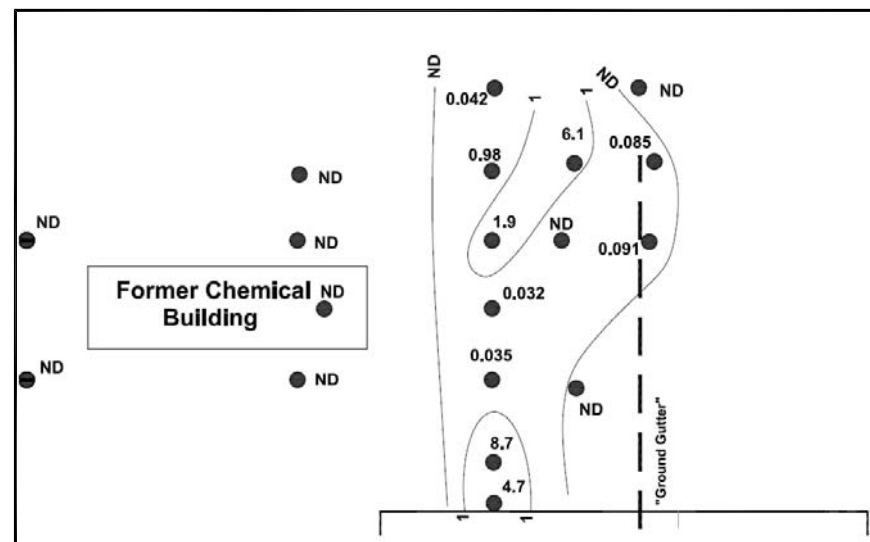
FIGURE
5



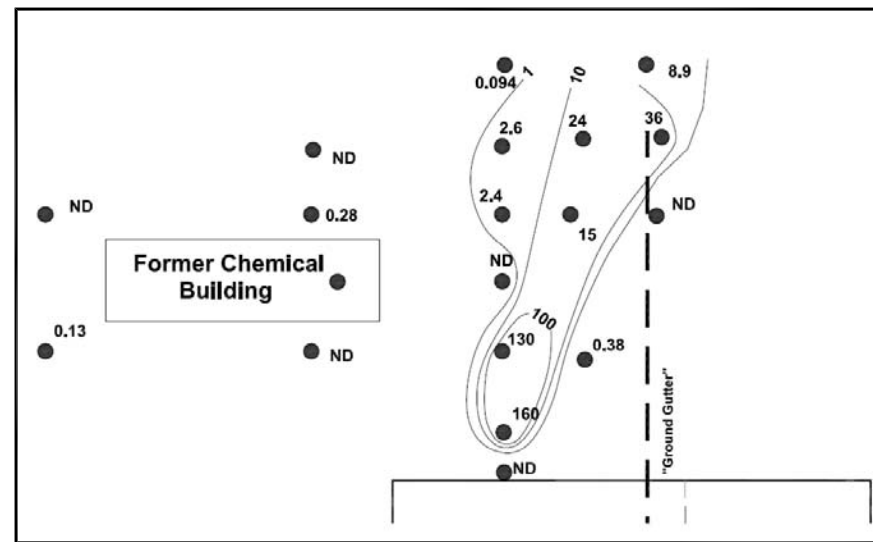
TCE (mg/kg) at 1 Foot



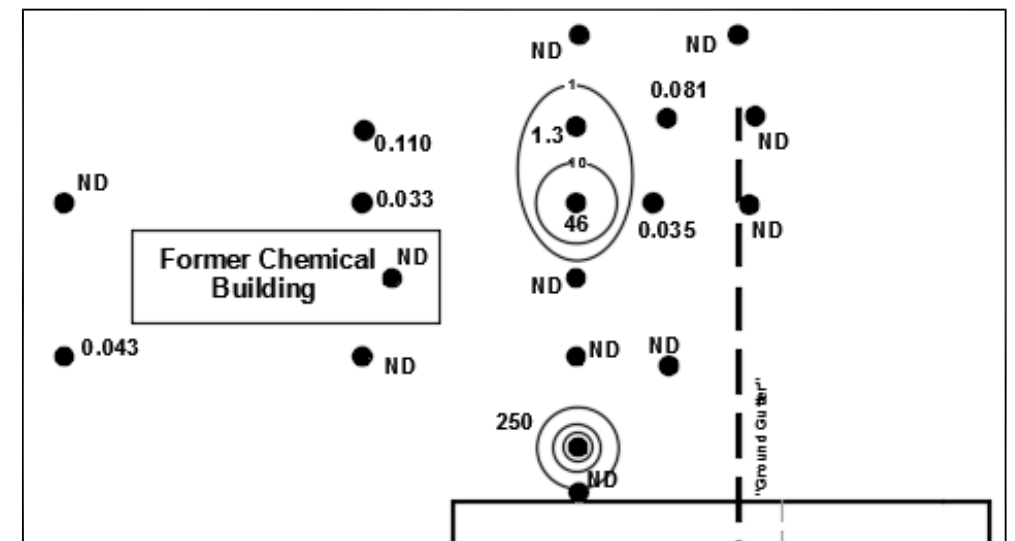
TCE (mg/kg) at 4 Feet



TCE (mg/kg) at 8 Feet



TCE (mg/kg) at 12 Feet



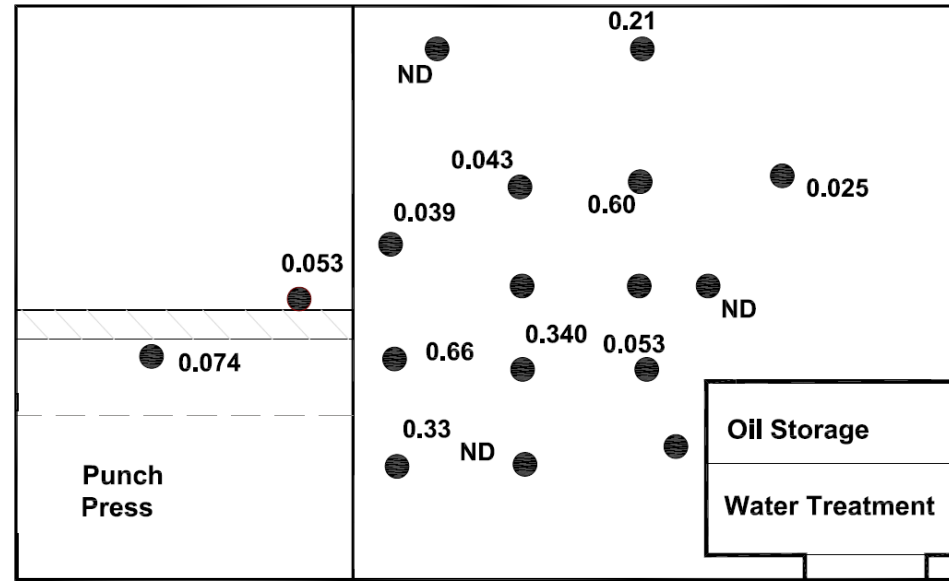
TCE (mg/kg) at 16 Feet

TCE = Trichloroethene
mg/kg = milligrams per kilogram

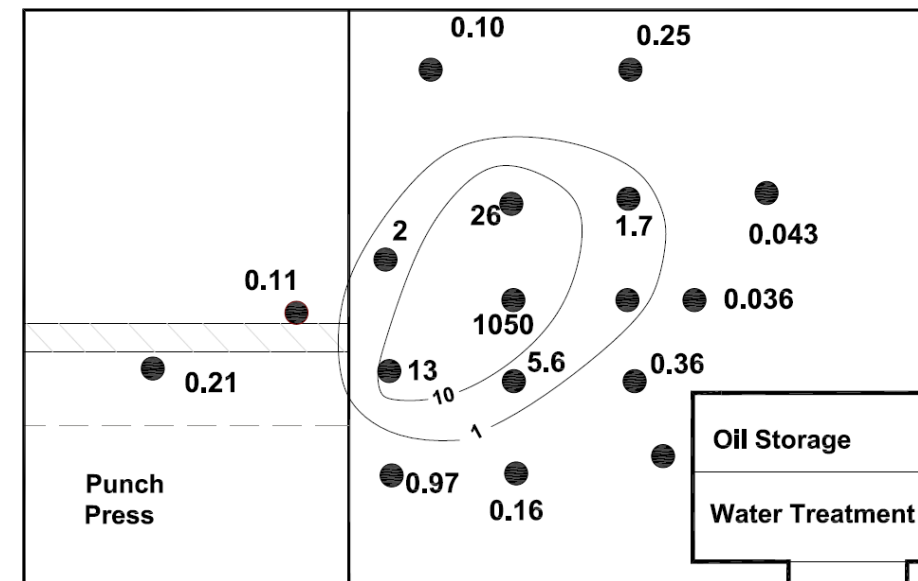


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TELL CITY FACILITY
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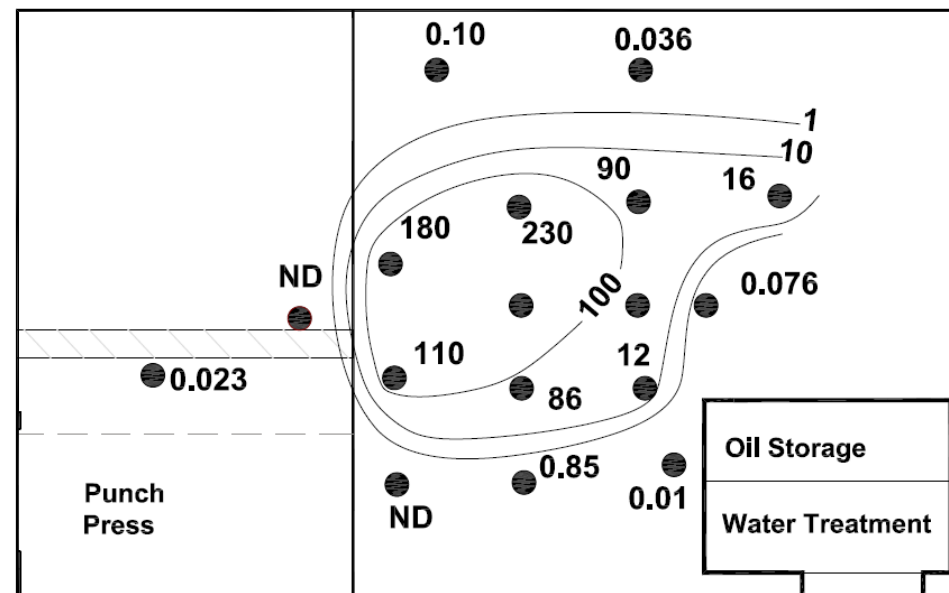
TCE Soil Concentrations in the
Northern Source Area



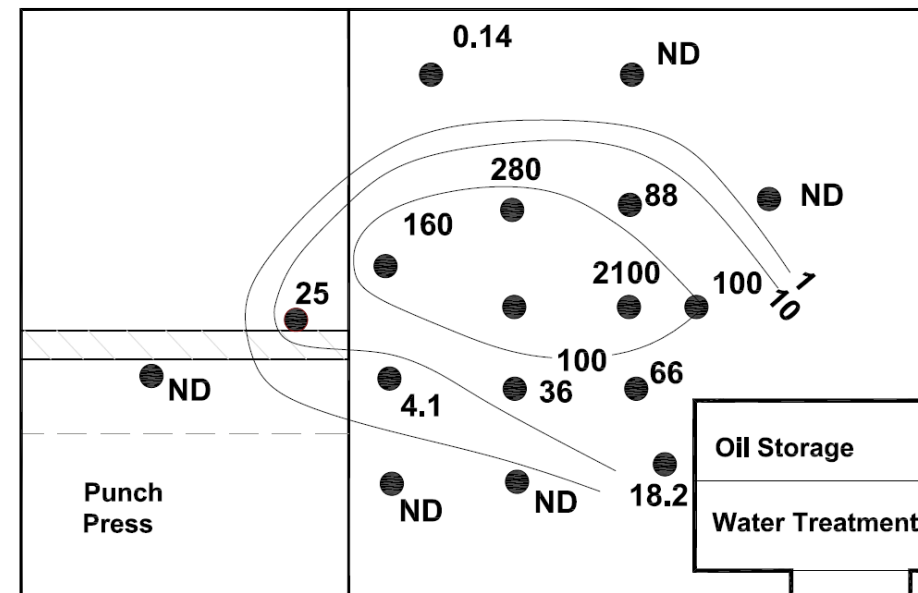
TCE (mg/kg) at 1 Foot



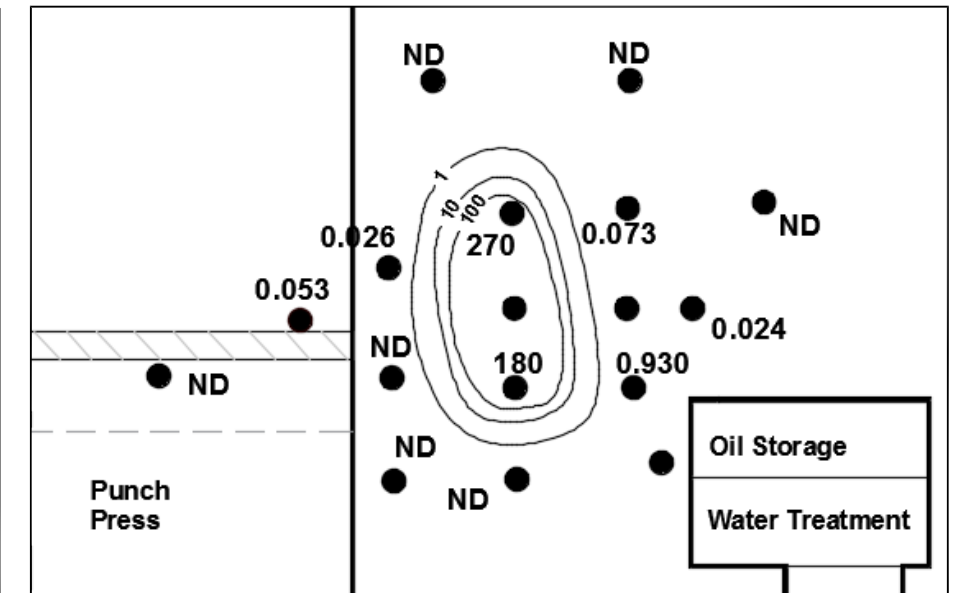
TCE (mg/kg) at 4 Feet



TCE (mg/kg) at 8 Feet

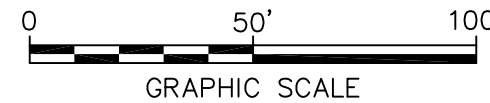


TCE (mg/kg) at 12 Feet



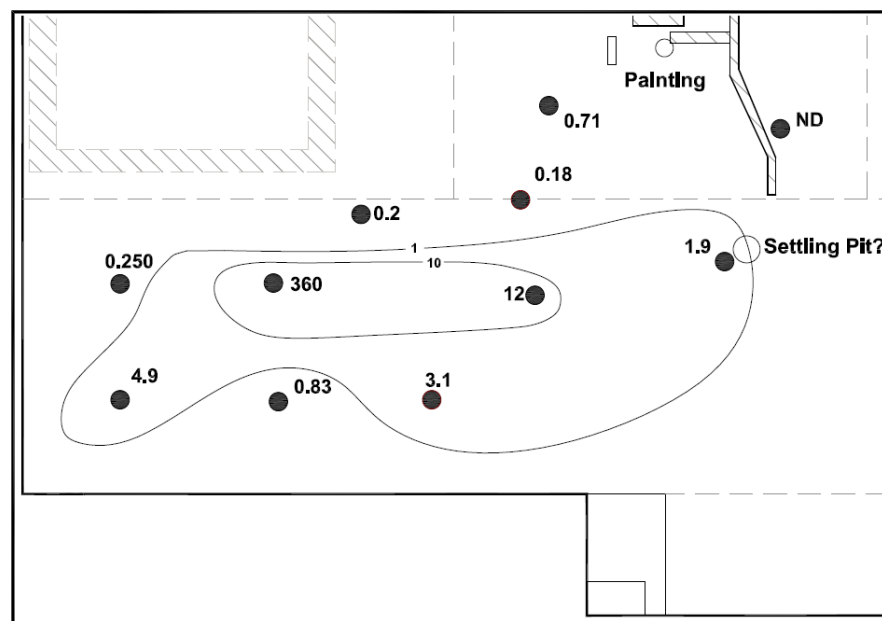
TCE (mg/kg) at 16 Feet

TCE = Trichloroethene
mg/kg = milligrams per kilogram

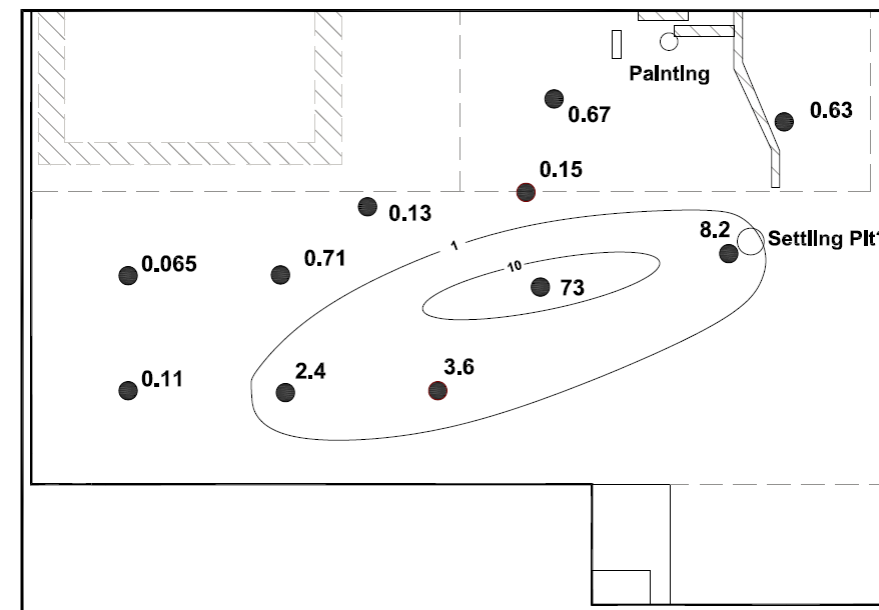


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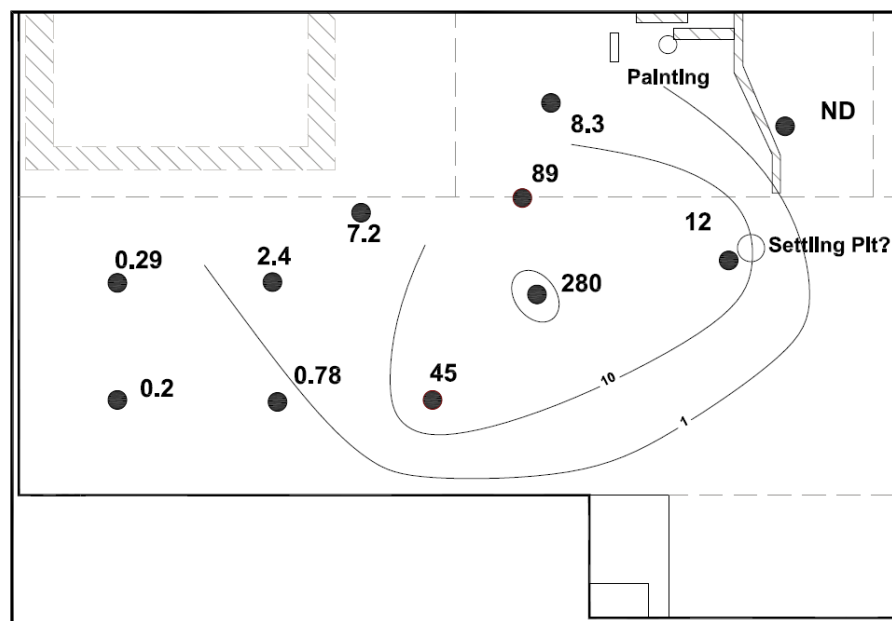
TCE Soil Concentrations in the Former
AST Source Area



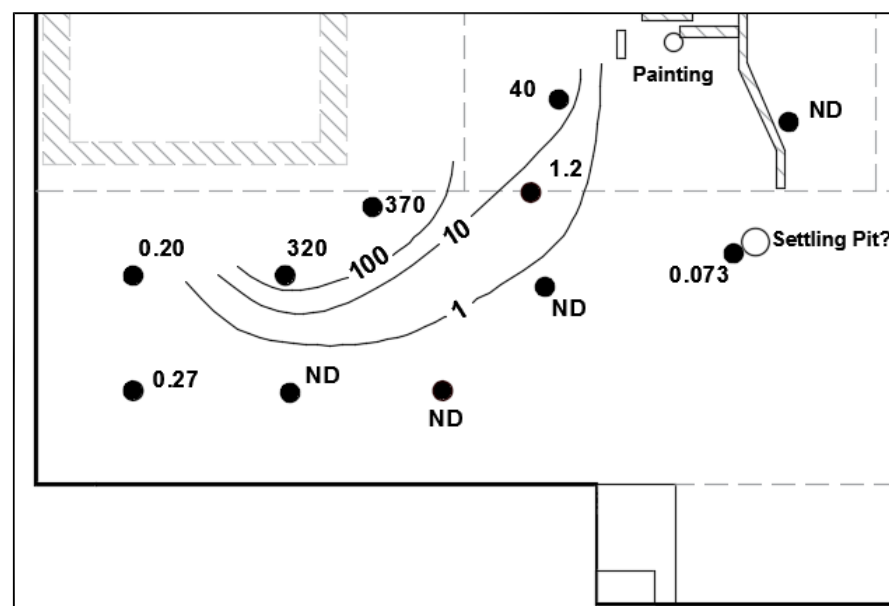
TCE (mg/kg) at 1 Foot



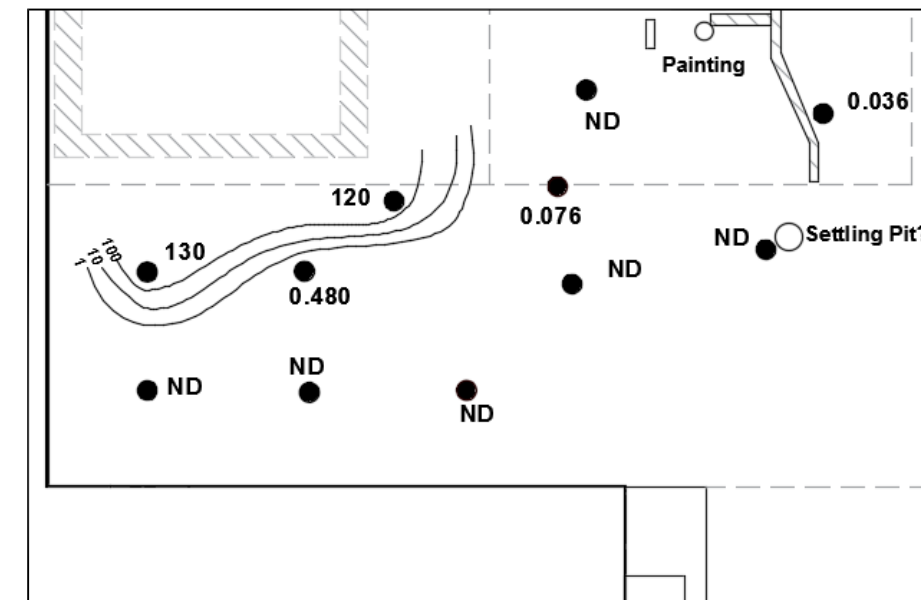
TCE (mg/kg) at 4 Feet



TCE (mg/kg) at 8 Feet

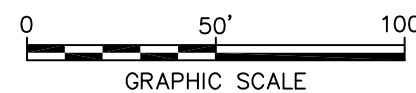


TCE (mg/kg) at 12 Feet



TCE (mg/kg) at 16 Feet

TCE = Trichloroethene
mg/kg = milligrams per kilogram



GENERAL ELECTRIC TELL CITY FACILITY 1412 13th STREET, TELL CITY, INDIANA	
TCE Soil Concentrations In the Southwest Source Area	
ARCADIS Design & Consultancy for natural and built assets	FIGURE 8



 **Existing Monitoring Well**
 Ohio River Outwash Aquifer Subsystem
 Shallow Wells Screened in Thins Unconfined Sand
 Deep Wells Screened in Deeper Sand Stringers Within Clay

 **Proposed Nested Monitoring Well**
 Three Wells In Each Borehole
 Screened at Water Table, Bottom of Aquifer, and Intermediate Depth

7th Street
 Main Street
 9th Street
 10th Street
 11th Street
 12th Street



GENERAL ELECTRIC
 TELL CITY FACILITY
 1412 13th STREET, TELL CITY, INDIANA

Existing and Proposed Groundwater Monitoring Wells


 **ARCADIS** Design & Consultancy
 for natural and built assets

FIGURE **9**



Well Field

Steuben Street

Payne Street

Herrman Street

Rubens Street

7th Street

Main Street

9th Street

10th Street

11th Street

12th Street

13th Street

GE Property

62.21

62.53

68.12

72.01

73.39

73.73

74.0

74.54

74.65

74.0

73.0

72.0

71.0

70.0

69.0

68.0

67.0

66.0

65.0



Existing Well

Ohio River Outwash Aquifer Subsystem
 Shallow Wells Screened in Thin Unconfined Sand
 Deep Wells Screened in Sand Stringers Within Clay

86.12

Groundwater Elevation Relative to On-Site Benchmark

Equipotential Line



GENERAL ELECTRIC
 TELL CITY FACILITY
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**Potentiometric Surface of the Ohio River
 Outwash Aquifer Subsystem (September 9,
 2018)**



FIGURE
10



Existing Well

Ohio River Outwash Aquifer Subsystem
 Shallow Wells Screened in Thin Unconfined Sand
 Deep Wells Screened in Sand Stringers Within Clay

7th Street

Main Street

9th Street

10th Street

11th Street

12th Street

13th Street

Steuben Street

Payne Street

Herrman Street

Rubens Street

MW-10D

73.39

MW-6D

74.80

MW-8D

76.52

MW-5D

74.56

MW-9D

77.51

GE Property

77.51

Groundwater Elevation Relative to On-Site Benchmark

Equipotential Line

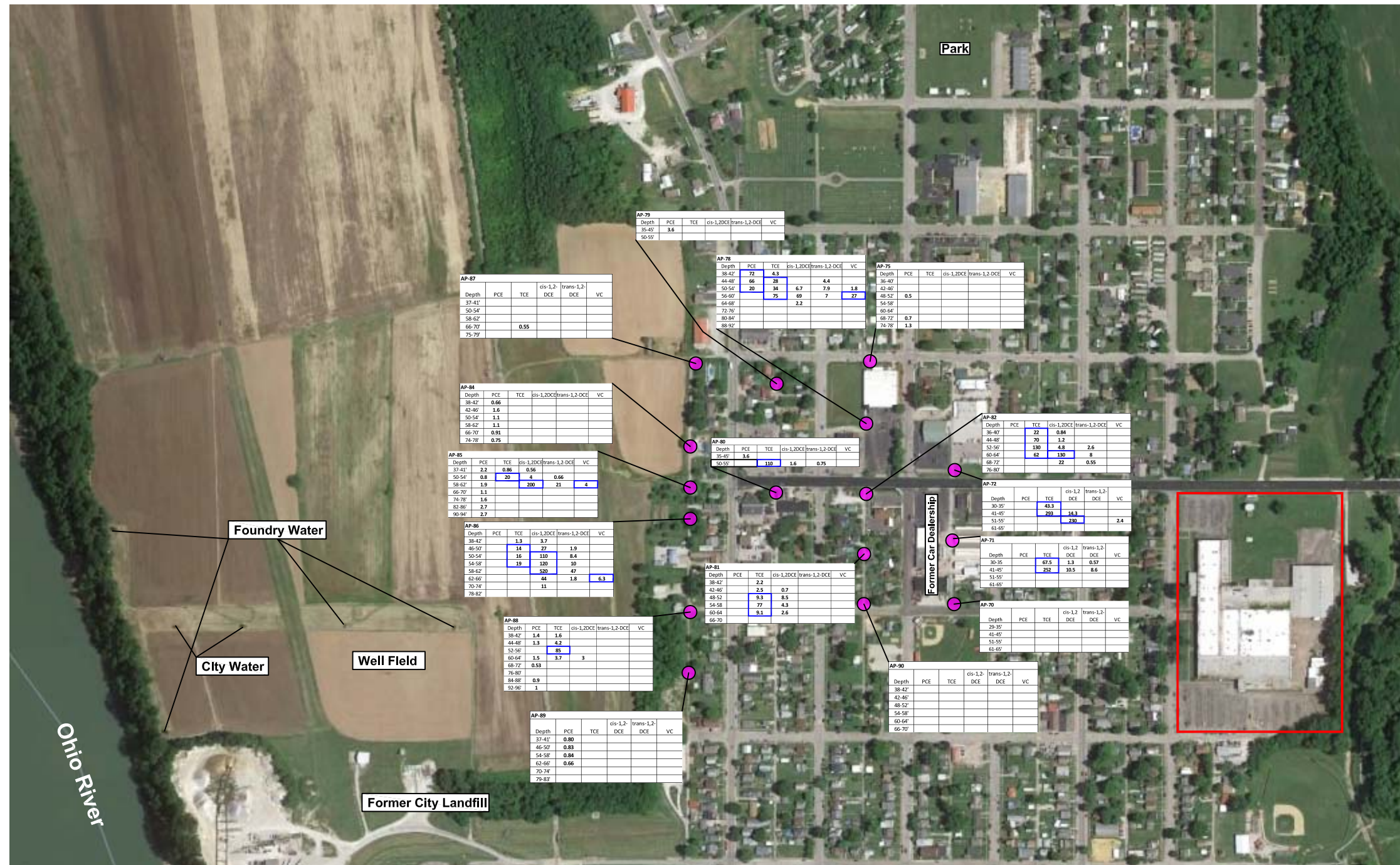


GENERAL ELECTRIC
 TELL CITY FACILITY
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Potentiometric Surface of Sand Layers Below the Ohio River Outwash Aquifer Subsystem (September 9, 2018)



FIGURE
11



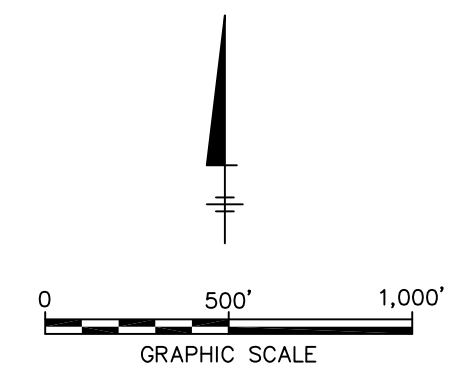
- Vertical Aquifer Profile Sample Point
- Exceedance of Remediation Closure Guide Tap Water Screening Level

Data are micrograms per liter (ug/l)
Blank Boxes Indicate Non-Detect Results

PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
VC = Vinyl Chloride

IDEM Groundwater Screening Levels

PCE = 5 ug/l
TCE = 5 ug/l
cis-1,2-DCE = 70 ug/l
trans-1,2-DCE = 100 ug/l
VC = 2 ug/l



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**Map Showing Vertical Aquifer Profile
Sampling Results**


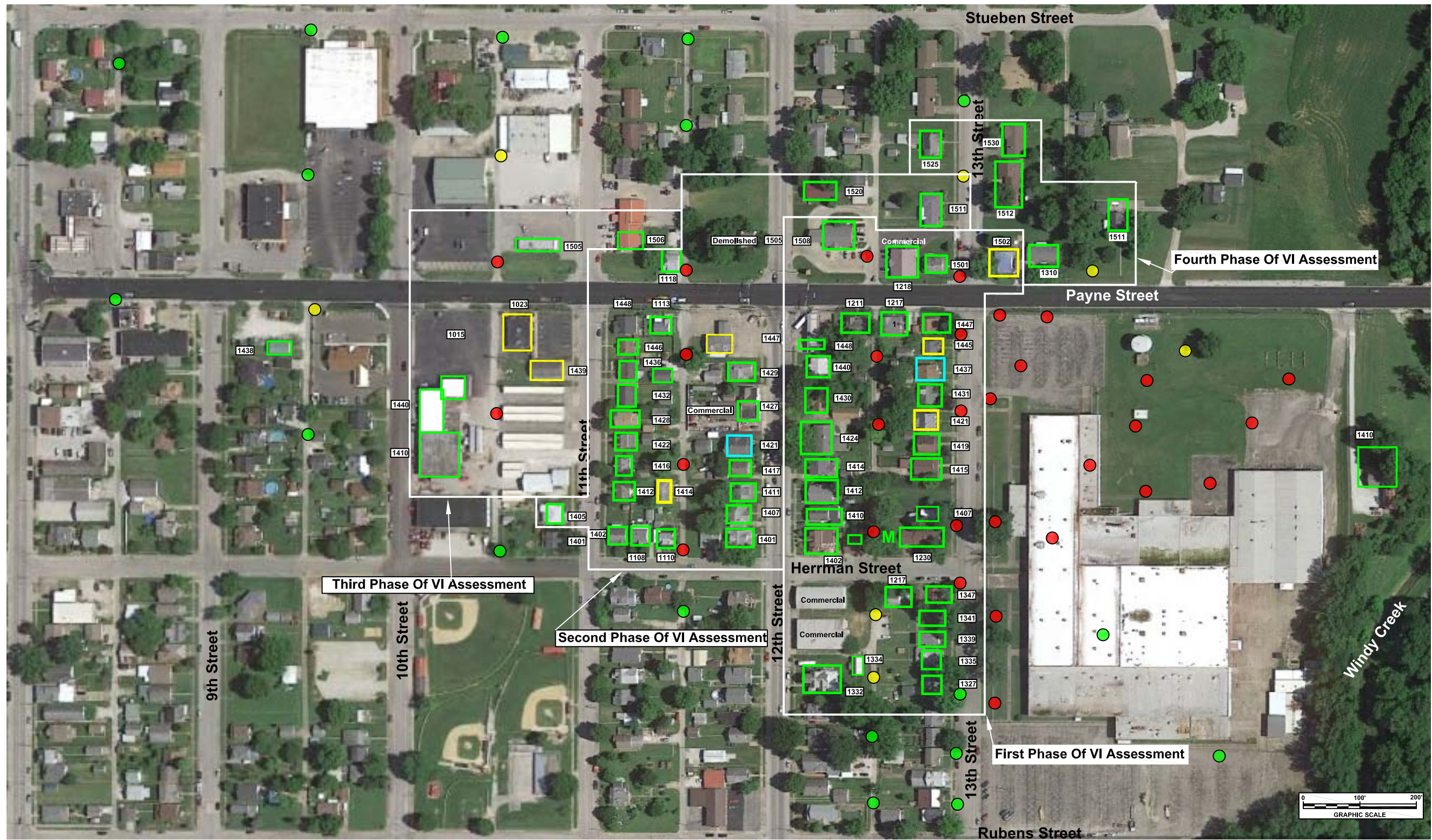








Design & Consultancy
for natural and
built assets

FIGURE
12



- | | |
|--|--|
|  Contact Made; No Schedule Yet |  Groundwater Exceeds Commercial Industrial Vapor Intrusion Standard |
|  Contact Made Tentatively Scheduled |  Groundwater Exceeds Residential Vapor Intrusion Standard |
|  No Contact Made As Yet |  No Vapor Intrusion Groundwater Exceedances |
|  Sampling Completed | |



GENERAL ELECTRIC
TELL CITY FACILITY
1412 13th STREET, TELL CITY, INDIANA

**Status of Vapor Intrusion Work
as of October 15, 2018**

TABLES



Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Exterior Pit																							
			SAP-01								SAP-02								SAP-03							
			Depth (Feet)				Depth (Feet)				Depth (Feet)				Depth (Feet)				Depth (Feet)							
			1	4	8	12	1	4	8	12	1	4	8	12	1	4	8	12								
			8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018									
1,1,1-Trichloroethane	640	1.4	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,1,2,2-Tetrachloroethane	27	0.043	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,1,2-Trichloroethane	6.3	0.032	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,1-Dichloroethane	160	0.16	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,1-Dichloroethene	1000	0.05	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,2,3-Trichlorobenzene	930	0.42	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,2,4-Trichlorobenzene	260	4.1	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,2,4-Trimethylbenzene	220	0.44	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,2-Dichlorobenzene	380	12	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,2-Dichloroethane	20	0.028	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,3,5-Trimethylbenzene	180	3.4	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,3-Dichlorobenzene	NA	NA	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
1,4-Dichlorobenzene	110	1.4	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
2-Chlorotoluene	910	4.7	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
4-Chlorotoluene	250	4.8	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Benzene	51	0.051	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Carbon Tetrachloride	29	0.039	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Chlorobenzene	760	1.4	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Chloroform	14	0.44	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Chloromethane	460	0.98	< 0.054	< 0.051	< 0.048	< 0.056	< 0.064	< 0.05	< 0.047	< 0.046	< 0.049	< 0.048	< 0.052	< 0.05	< 0.049	< 0.051	< 0.051									
cis-1,2-Dichloroethene	2300	0.41	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Cumene (p-Isopropyltoluene)	NA	15	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Dichloromethane	3200	0.025	< 0.11	< 0.1	< 0.096	< 0.11	< 0.13	< 0.1	< 0.095	< 0.093	< 0.097	< 0.095	< 0.1	< 0.099	< 0.098	< 0.1	< 0.1									
Ethylbenzene	250	16	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
m&p-Xylenes	NA	3.7	< 0.054	< 0.051	< 0.048	< 0.056	< 0.064	< 0.05	< 0.047	< 0.046	< 0.049	< 0.048	< 0.052	< 0.05	< 0.049	< 0.051	< 0.051									
Naphthalene	170	0.11	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
n-Butylbenzene	110	64	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
n-Propylbenzene	260	25	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
o-Xylene	430	3.7	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
sec-Butylbenzene	150	120	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Styrene (Monomer)	870	2.2	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
tert-Butylbenzene	180	31	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Tetrachloroethene	170	0.045	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Toluene	820	14	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Total Xylenes	260	200	< 0.081	< 0.076	< 0.072	< 0.084	< 0.095	< 0.075	< 0.071	< 0.07	< 0.073	< 0.071	< 0.078	< 0.074	< 0.074	< 0.077	< 0.076									
trans-1,2-Dichloroethene	1900	0.62	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Trichloroethene	19	0.036	< 0.027	< 0.025	< 0.024	< 0.028	0.053	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									
Vinyl chloride	17	0.014	< 0.027	< 0.025	< 0.024	< 0.028	< 0.032	< 0.025	< 0.024	< 0.023	< 0.024	< 0.024	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025									

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Interior Chemical Storage Area									
			SAP-10					SAP-11				
			Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16
8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018		
1,1,1-Trichloroethane	640	1.4	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,1,2,2-Tetrachloroethane	27	0.043	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,1,2-Trichloroethane	6.3	0.032	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,1-Dichloroethane	160	0.16	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,1-Dichloroethene	1000	0.05	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,2,3-Trichlorobenzene	930	0.42	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,2,4-Trichlorobenzene	260	4.1	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,2,4-Trimethylbenzene	220	0.44	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,2-Dichlorobenzene	380	12	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,2-Dichloroethane	20	0.028	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,3,5-Trimethylbenzene	180	3.4	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,3-Dichlorobenzene	NA	NA	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
1,4-Dichlorobenzene	110	1.4	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
2-Chlorotoluene	910	4.7	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
4-Chlorotoluene	250	4.8	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Benzene	51	0.051	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Carbon Tetrachloride	29	0.039	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Chlorobenzene	760	1.4	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Chloroform	14	0.44	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Chloromethane	460	0.98	< 0.047LC	< 0.058LC	< 0.045LC	< 0.048LC	0.32 LC	< 0.047LC	< 0.048LC	< 0.046	< 0.048	< 0.056
cis-1,2-Dichloroethene	2300	0.41	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Cumene (p-Isopropyltoluene)	NA	15	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Dichloromethane	3200	0.025	< 0.093	< 0.12	< 0.091	< 0.096	< 0.11	< 0.094	< 0.097	< 0.092	< 0.096	< 0.11
Ethylbenzene	250	16	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
m&p-Xylenes	NA	3.7	< 0.047	< 0.058	< 0.045	< 0.048	< 0.055	< 0.047	< 0.048	< 0.046	< 0.048	< 0.056
Naphthalene	170	0.11	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	0.041	< 0.024	< 0.023	< 0.024	< 0.028
n-Butylbenzene	110	64	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
n-Propylbenzene	260	25	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
o-Xylene	430	3.7	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
sec-Butylbenzene	150	120	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Styrene (Monomer)	870	2.2	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
tert-Butylbenzene	180	31	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Tetrachloroethene	170	0.045	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Toluene	820	14	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	0.024	< 0.024	< 0.023	< 0.024	< 0.028
Total Xylenes	260	200	< 0.07	< 0.086	< 0.068	< 0.072	< 0.082	< 0.07	< 0.072	< 0.069	< 0.072	< 0.084
trans-1,2-Dichloroethene	1900	0.62	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028
Trichloroethene	19	0.036	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	0.027	< 0.024	< 0.023	< 0.024	< 0.028
Vinyl chloride	17	0.014	< 0.023	< 0.029	< 0.023	< 0.024	< 0.027	< 0.023	< 0.024	< 0.023	< 0.024	< 0.028

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area															
			SAP-04					SAP-05					SAP-06					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16	20
8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/16/2018		
1,1,1-Trichloroethane	640	1.4	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,1,2,2-Tetrachloroethane	27	0.043	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,1,2-Trichloroethane	6.3	0.032	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,1-Dichloroethane	160	0.16	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,1-Dichloroethene	1000	0.05	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,2,3-Trichlorobenzene	930	0.42	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,2,4-Trichlorobenzene	260	4.1	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,2,4-Trimethylbenzene	220	0.44	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,2-Dichlorobenzene	380	12	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,2-Dichloroethane	20	0.028	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,3,5-Trimethylbenzene	180	3.4	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,3-Dichlorobenzene	NA	NA	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
1,4-Dichlorobenzene	110	1.4	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
2-Chlorotoluene	910	4.7	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
4-Chlorotoluene	250	4.8	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Benzene	51	0.051	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Carbon Tetrachloride	29	0.039	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Chlorobenzene	760	1.4	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Chloroform	14	0.44	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Chloromethane	460	0.98	< 0.054	< 0.057	< 0.045	< 0.047	< 0.049	< 0.064	< 0.046	< 0.047LC	< 0.052LC	< 0.047LC	< 0.053LC	< 0.049LC	< 0.05LC	< 0.05LC	< 0.048LC	< 0.048
cis-1,2-Dichloroethene	2300	0.41	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	1.2	0.29	< 0.027	0.051	0.49	0.86	12 E	< 0.024
Cumene (p-Isopropyltoluene)	NA	15	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Dichloromethane	3200	0.025	< 0.11	< 0.11	< 0.089	< 0.094	< 0.098	< 0.13	< 0.093	< 0.094	< 0.1	< 0.095	< 0.11	< 0.097	< 0.1	< 0.099	< 0.097	< 0.097
Ethylbenzene	250	16	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
m&p-Xylenes	NA	3.7	< 0.054	< 0.057	< 0.045	< 0.047	< 0.049	< 0.064	< 0.046	< 0.047	< 0.052	< 0.047	< 0.053	< 0.049	< 0.05	< 0.05	< 0.048	< 0.048
Naphthalene	170	0.11	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
n-Butylbenzene	110	64	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
n-Propylbenzene	260	25	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
o-Xylene	430	3.7	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
sec-Butylbenzene	150	120	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Styrene (Monomer)	870	2.2	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
tert-Butylbenzene	180	31	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Tetrachloroethene	170	0.045	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	0.03	0.041	0.32	< 0.024
Toluene	820	14	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024
Total Xylenes	260	200	< 0.081	< 0.085	< 0.067	< 0.07	< 0.074	< 0.096	< 0.07	< 0.07	< 0.078	< 0.071	< 0.08	< 0.073	< 0.075	< 0.075	< 0.073	< 0.072
trans-1,2-Dichloroethene	1900	0.62	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	0.066	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	0.064	< 0.024
Trichloroethene	19	0.036	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	0.28	0.033	< 0.027	0.12	1.9	2.4	46 E	0.057
Vinyl chloride	17	0.014	< 0.027	< 0.028	< 0.022	< 0.023	< 0.025	< 0.032	< 0.023	< 0.023	< 0.026	< 0.024	< 0.027	< 0.024	< 0.025	< 0.025	0.034	< 0.024

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area															
			SAP-07						SAP-08					SAP-09				
			Depth (Feet)						Depth (Feet)					Depth (Feet)				
			1	4	8	10	12	16	1	4	8	12	16	1	4	8	12	16
8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018			
1,1,1-Trichloroethane	640	1.4	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,1,2,2-Tetrachloroethane	27	0.043	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,1,2-Trichloroethane	6.3	0.032	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,1-Dichloroethane	160	0.16	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,1-Dichloroethene	1000	0.05	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	0.066 HC
1,2,3-Trichlorobenzene	930	0.42	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,2,4-Trichlorobenzene	260	4.1	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.075	< 0.025
1,2,4-Trimethylbenzene	220	0.44	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.089	< 0.025
1,2-Dichlorobenzene	380	12	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,2-Dichloroethane	20	0.028	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,3,5-Trimethylbenzene	180	3.4	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.04	< 0.025
1,3-Dichlorobenzene	NA	NA	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
1,4-Dichlorobenzene	110	1.4	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
2-Chlorotoluene	910	4.7	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
4-Chlorotoluene	250	4.8	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Benzene	51	0.051	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.027	< 0.025
Carbon Tetrachloride	29	0.039	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Chlorobenzene	760	1.4	< 0.027	< 0.025	< 0.024	< 0.022	0.065	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Chloroform	14	0.44	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Chloromethane	460	0.98	< 0.053LC	< 0.049LC	< 0.048	< 0.043	< 0.047	< 0.047	< 0.054	< 0.045	< 0.045	< 0.047	< 0.05	< 0.047	< 0.049	< 0.049	< 0.052	0.5 HC
cis-1,2-Dichloroethene	2300	0.41	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	0.055	< 0.025	0.035	130 E	41 E
Cumene (p-Isopropyltoluene)	NA	15	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	1.2	< 0.025
Dichloromethane	3200	0.025	< 0.11	< 0.099	< 0.097	< 0.087	< 0.095	< 0.094	< 0.11	< 0.091	< 0.09	< 0.094	< 0.1	< 0.095	< 0.099	< 0.099	< 0.1	< 0.1
Ethylbenzene	250	16	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
m&p-Xylenes	NA	3.7	< 0.053	< 0.049	< 0.048	< 0.043	< 0.047	< 0.047	< 0.054	< 0.045	< 0.045	< 0.047	< 0.05	< 0.047	< 0.049	< 0.049	< 0.052	< 0.051
Naphthalene	170	0.11	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.054	< 0.025
n-Butylbenzene	110	64	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
n-Propylbenzene	260	25	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
o-Xylene	430	3.7	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
sec-Butylbenzene	150	120	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Styrene (Monomer)	870	2.2	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
tert-Butylbenzene	180	31	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Tetrachloroethene	170	0.045	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Toluene	820	14	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	< 0.026	< 0.025
Total Xylenes	260	200	< 0.08	< 0.074	< 0.072	< 0.065	< 0.071	< 0.07	< 0.081	< 0.068	< 0.067	< 0.07	< 0.075	< 0.071	< 0.074	< 0.074	< 0.077	< 0.076
trans-1,2-Dichloroethene	1900	0.62	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	< 0.025	0.21	< 0.025
Trichloroethene	19	0.036	< 0.027	< 0.025	< 0.024	< 0.022	0.13	0.043	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024HC	< 0.025HC	< 0.025HC	< 0.026HC	< 0.025HC
Vinyl chloride	17	0.014	< 0.027	< 0.025	< 0.024	< 0.022	< 0.024	< 0.023	< 0.027	< 0.023	< 0.022	< 0.023	< 0.025	< 0.024	< 0.025	0.14 HC	8.9 HC	1.8 HC

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area														
			SAP-28					SAP-29					SAP-30				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018			
1,1,1-Trichloroethane	640	1.4	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,1,2,2-Tetrachloroethane	27	0.043	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,1,2-Trichloroethane	6.3	0.032	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,1-Dichloroethane	160	0.16	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,1-Dichloroethene	1000	0.05	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	0.15	< 0.022
1,2,3-Trichlorobenzene	930	0.42	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,2,4-Trichlorobenzene	260	4.1	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,2,4-Trimethylbenzene	220	0.44	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	0.04	< 0.024	< 0.022
1,2-Dichlorobenzene	380	12	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,2-Dichloroethane	20	0.028	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,3,5-Trimethylbenzene	180	3.4	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,3-Dichlorobenzene	NA	NA	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
1,4-Dichlorobenzene	110	1.4	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
2-Chlorotoluene	910	4.7	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
4-Chlorotoluene	250	4.8	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Benzene	51	0.051	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Carbon Tetrachloride	29	0.039	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Chlorobenzene	760	1.4	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Chloroform	14	0.44	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Chloromethane	460	0.98	< 0.046	< 0.049	< 0.046	< 0.051	< 0.049	< 0.049	< 0.048	< 0.049	< 0.049	< 0.064	< 0.048	< 0.048	< 0.052	< 0.049	< 0.045
cis-1,2-Dichloroethene	2300	0.41	< 0.023	< 0.025	< 0.023	< 0.025	0.16	0.16	0.048	0.66	4.1	0.11	0.21	0.46	0.41	46 E	< 0.022
Cumene (p-Isopropyltoluene)	NA	15	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	0.099	< 0.024	< 0.022
Dichloromethane	3200	0.025	< 0.093	< 0.098	< 0.091	< 0.1	< 0.099	< 0.098	< 0.095	< 0.097	< 0.098	< 0.13	< 0.096	< 0.097	< 0.1	< 0.098	< 0.09
Ethylbenzene	250	16	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
m&p-Xylenes	NA	3.7	< 0.046	< 0.049	< 0.046	< 0.051	< 0.049	< 0.049	< 0.048	< 0.049	< 0.049	< 0.064	< 0.048	< 0.048	< 0.052	< 0.049	< 0.045
Naphthalene	170	0.11	< 0.023	< 0.025	0.11	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
n-Butylbenzene	110	64	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
n-Propylbenzene	260	25	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
o-Xylene	430	3.7	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
sec-Butylbenzene	150	120	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Styrene (Monomer)	870	2.2	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
tert-Butylbenzene	180	31	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Tetrachloroethene	170	0.045	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	0.061	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Toluene	820	14	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	< 0.024	< 0.022
Total Xylenes	260	200	< 0.069	< 0.074	< 0.069	< 0.076	< 0.074	< 0.073	< 0.071	< 0.073	< 0.074	< 0.097	< 0.072	< 0.073	< 0.079	< 0.073	< 0.067
trans-1,2-Dichloroethene	1900	0.62	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	0.39	0.071
Trichloroethene	19	0.036	< 0.023	0.025	< 0.023	< 0.025	0.11	0.69	0.12	0.98	2.6	1.3	0.31	0.57	< 0.026	15 E	0.035
Vinyl chloride	17	0.014	< 0.023	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.025	< 0.032	< 0.024	< 0.024	< 0.026	4	0.87

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area															
			SAP-31					SAP-32					SAP-33					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	4	8	12	16	1	4	8	11	12	16	1	4	8	12	16
8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018			
1,1,1-Trichloroethane	640	1.4	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,1,2,2-Tetrachloroethane	27	0.043	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,1,2-Trichloroethane	6.3	0.032	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,1-Dichloroethane	160	0.16	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,1-Dichloroethene	1000	0.05	< 0.028	< 0.025X	< 0.024	< 0.031	0.032	< 0.023	< 0.025	0.22	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.22	0.075
1,2,3-Trichlorobenzene	930	0.42	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.34	< 0.024
1,2,4-Trichlorobenzene	260	4.1	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	1.2	< 0.024
1,2,4-Trimethylbenzene	220	0.44	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.08	0.083	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.28	0.073
1,2-Dichlorobenzene	380	12	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.23	< 0.024
1,2-Dichloroethane	20	0.028	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,3,5-Trimethylbenzene	180	3.4	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.05	0.04	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.17	0.07
1,3-Dichlorobenzene	NA	NA	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
1,4-Dichlorobenzene	110	1.4	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
2-Chlorotoluene	910	4.7	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
4-Chlorotoluene	250	4.8	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Benzene	51	0.051	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.03	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.03	< 0.024
Carbon Tetrachloride	29	0.039	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Chlorobenzene	760	1.4	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Chloroform	14	0.44	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Chloromethane	460	0.98	< 0.057	< 0.049	< 0.049	< 0.062	< 0.05	< 0.045	< 0.049	< 0.045	0.13 HC	< 0.046	0.076 HC	< 0.043	< 0.049	< 0.049	< 0.047	0.21 HC
cis-1,2-Dichloroethene	2300	0.41	< 0.028	< 0.025X	< 0.024	0.53	9.4	0.11	< 0.025	110 E	3.3	3.5	< 0.023	0.33	0.035	1	230 E	90 E
Cumene (p-Isopropyltoluene)	NA	15	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.37	0.1	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.073	0.054
Dichloromethane	3200	0.025	< 0.11	< 0.098X	< 0.098	< 0.12	< 0.099	< 0.09	< 0.099	< 0.09	< 0.098	< 0.092	< 0.094	< 0.087	< 0.098	< 0.097	< 0.093	< 0.097
Ethylbenzene	250	16	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.13	0.25	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.11	0.13
m&p-Xylenes	NA	3.7	< 0.057	< 0.049X	< 0.049	< 0.062	< 0.05	< 0.045	< 0.049	0.37	0.82	< 0.046	< 0.047	< 0.043	< 0.049	< 0.049	0.35	0.19
Naphthalene	170	0.11	< 0.028	< 0.025X	< 0.024	0.039	< 0.025	< 0.023	< 0.025	0.048	0.066	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.13	0.059
n-Butylbenzene	110	64	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
n-Propylbenzene	260	25	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.033	< 0.024
o-Xylene	430	3.7	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.18	0.46	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.16	0.19
sec-Butylbenzene	150	120	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Styrene (Monomer)	870	2.2	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
tert-Butylbenzene	180	31	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024
Tetrachloroethene	170	0.045	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.057	0.27
Toluene	820	14	< 0.028	< 0.025X	< 0.024	< 0.031	< 0.025	< 0.023	< 0.025	0.2	0.38	< 0.023	< 0.023	< 0.022	< 0.024	< 0.024	0.25	0.19
Total Xylenes	260	200	< 0.085	< 0.074X	< 0.073	< 0.094	< 0.074	< 0.068	< 0.074	0.55	1.3	< 0.069	< 0.07	< 0.065	< 0.073	< 0.073	0.51	0.38
trans-1,2-Dichloroethene	1900	0.62	< 0.028	< 0.025X	< 0.024	< 0.031	0.17	< 0.023	< 0.025	0.2	0.38	0.11	< 0.023	< 0.022	< 0.024	< 0.024	0.61	0.26
Trichloroethene	19	0.036	0.031	< 0.025X	0.032	< 0.031	< 0.025	< 0.023	< 0.025	< 0.023	< 0.025	0.38	< 0.023	0.22	< 0.024	8.7	160 E	250 E
Vinyl chloride	17	0.014	< 0.028	< 0.025X	< 0.024	0.76	2	< 0.023	< 0.025	13 HCE	1 HC	0.051 HC	< 0.023	< 0.022	< 0.024	< 0.024	1.7 HC	1.4 HC

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area														
			SAP-37					SAP-38					SAP-39				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018			
1,1,1-Trichloroethane	640	1.4	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,1,2,2-Tetrachloroethane	27	0.043	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,1,2-Trichloroethane	6.3	0.032	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,1-Dichloroethane	160	0.16	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,1-Dichloroethene	1000	0.05	< 0.023	< 0.025	< 0.024	0.037	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,2,3-Trichlorobenzene	930	0.42	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,2,4-Trichlorobenzene	260	4.1	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	0.054	< 0.026	< 0.023	
1,2,4-Trimethylbenzene	220	0.44	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,2-Dichlorobenzene	380	12	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,2-Dichloroethane	20	0.028	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,3,5-Trimethylbenzene	180	3.4	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,3-Dichlorobenzene	NA	NA	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
1,4-Dichlorobenzene	110	1.4	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
2-Chlorotoluene	910	4.7	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
4-Chlorotoluene	250	4.8	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Benzene	51	0.051	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Carbon Tetrachloride	29	0.039	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Chlorobenzene	760	1.4	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Chloroform	14	0.44	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Chloromethane	460	0.98	< 0.045	< 0.05	< 0.048	< 0.048	< 0.046	< 0.047	< 0.045	< 0.047	< 0.059	< 0.049	< 0.046	< 0.048	< 0.048	< 0.052	< 0.046
cis-1,2-Dichloroethene	2300	0.41	< 0.023	< 0.025	0.078	6.7	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	0.63	0.37	3.2	1.9	2.3	
Cumene (p-Isopropyltoluene)	NA	15	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Dichloromethane	3200	0.025	< 0.09	< 0.1	< 0.097	< 0.096	< 0.092	< 0.094	< 0.091	< 0.094	< 0.12	< 0.098	< 0.092	< 0.095	< 0.096	< 0.1	< 0.092
Ethylbenzene	250	16	0.033	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
m&p-Xylenes	NA	3.7	0.048	< 0.05	< 0.048	< 0.048	< 0.046	< 0.047	< 0.045	< 0.047	< 0.059	< 0.049	< 0.046	< 0.048	< 0.048	< 0.052	< 0.046
Naphthalene	170	0.11	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
n-Butylbenzene	110	64	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
n-Propylbenzene	260	25	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
o-Xylene	430	3.7	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
sec-Butylbenzene	150	120	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Styrene (Monomer)	870	2.2	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
tert-Butylbenzene	180	31	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Tetrachloroethene	170	0.045	< 0.023	< 0.025	0.034	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	0.024	0.32	1.3	< 0.023	
Toluene	820	14	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Total Xylenes	260	200	< 0.068	< 0.075	< 0.072	< 0.072	< 0.069	< 0.07	< 0.068	< 0.07	< 0.089	< 0.074	< 0.069	< 0.071	< 0.072	< 0.078	< 0.069
trans-1,2-Dichloroethene	1900	0.62	< 0.023	< 0.025	< 0.024	< 0.024	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	< 0.023	
Trichloroethene	19	0.036	< 0.023	< 0.025	4.7	< 0.024	< 0.023	< 0.023	0.038	0.15	0.042	0.094	0.33	0.86	6.1	24 E	0.084
Vinyl chloride	17	0.014	< 0.023	< 0.025	< 0.024	0.059	< 0.023	< 0.023	< 0.023	< 0.03	< 0.025	< 0.023	< 0.024	< 0.024	< 0.026	0.048	

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Northeastern Area														
			SAP-46					SAP-47					SAP-48				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018			
1,1,1-Trichloroethane	640	1.4	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,1,2,2-Tetrachloroethane	27	0.043	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,1,2-Trichloroethane	6.3	0.032	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,1-Dichloroethane	160	0.16	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,1-Dichloroethene	1000	0.05	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,2,3-Trichlorobenzene	930	0.42	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,2,4-Trichlorobenzene	260	4.1	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,2,4-Trimethylbenzene	220	0.44	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,2-Dichlorobenzene	380	12	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,2-Dichloroethane	20	0.028	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,3,5-Trimethylbenzene	180	3.4	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,3-Dichlorobenzene	NA	NA	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
1,4-Dichlorobenzene	110	1.4	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
2-Chlorotoluene	910	4.7	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
4-Chlorotoluene	250	4.8	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Benzene	51	0.051	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Carbon Tetrachloride	29	0.039	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Chlorobenzene	760	1.4	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Chloroform	14	0.44	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Chloromethane	460	0.98	< 0.047	< 0.046	< 0.046	< 0.046	< 0.048	< 0.046	< 0.047	< 0.051	< 0.046	< 0.048	< 0.045	< 0.049	< 0.049	< 0.047	< 0.048
cis-1,2-Dichloroethene	2300	0.41	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	0.1	< 0.024	< 0.022	< 0.024	< 0.025	0.046	< 0.024
Cumene (p-Isopropyltoluene)	NA	15	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Dichloromethane	3200	0.025	< 0.094	< 0.092	< 0.092	< 0.093	< 0.096	< 0.092	< 0.094	< 0.1	< 0.092	< 0.095	< 0.09	< 0.098	< 0.099	< 0.093	< 0.096
Ethylbenzene	250	16	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
m&p-Xylenes	NA	3.7	< 0.047	< 0.046	< 0.046	< 0.046	< 0.048	< 0.046	< 0.047	< 0.051	< 0.046	< 0.048	< 0.045	< 0.049	< 0.049	< 0.047	< 0.048
Naphthalene	170	0.11	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
n-Butylbenzene	110	64	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
n-Propylbenzene	260	25	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
o-Xylene	430	3.7	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
sec-Butylbenzene	150	120	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Styrene (Monomer)	870	2.2	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
tert-Butylbenzene	180	31	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Tetrachloroethene	170	0.045	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	0.11	< 0.024
Toluene	820	14	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Total Xylenes	260	200	< 0.07	< 0.069	< 0.069	< 0.07	< 0.072	< 0.069	< 0.071	< 0.077	< 0.069	< 0.071	< 0.067	< 0.073	< 0.074	< 0.07	< 0.072
trans-1,2-Dichloroethene	1900	0.62	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024
Trichloroethene	19	0.036	0.036	0.024	0.084	< 0.023	< 0.024	< 0.023	< 0.024	0.087	33 E	< 0.024	< 0.022	< 0.024	< 0.025	8.3	< 0.024
Vinyl chloride	17	0.014	< 0.023	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.024	< 0.026	< 0.023	< 0.024	< 0.022	< 0.024	< 0.025	< 0.023	< 0.024

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Former AST Area															
			SAP-12						SAP-13						SAP-14			
			Depth (Feet)						Depth (Feet)						Depth (Feet)			
			1	2	4	8	12	16	1	4	8	12	16	2	4	8	12	16
8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018			
1,1,1-Trichloroethane	640	1.4	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,1,2,2-Tetrachloroethane	27	0.043	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025XM	< 0.022	< 0.022	< 0.023
1,1,2-Trichloroethane	6.3	0.032	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	0.04	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,1-Dichloroethane	160	0.16	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,1-Dichloroethene	1000	0.05	< 0.022	< 0.034	< 0.028	0.1 HC	0.34	< 0.023	< 0.024	< 0.026	0.027	0.18	0.18	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,2,3-Trichlorobenzene	930	0.42	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,2,4-Trichlorobenzene	260	4.1	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025HC	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,2,4-Trimethylbenzene	220	0.44	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022HC	< 0.025HC	< 0.022HC	< 0.022HC	< 0.023HC
1,2-Dichlorobenzene	380	12	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,2-Dichloroethane	20	0.028	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,3,5-Trimethylbenzene	180	3.4	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	0.029	0.026	0.033	0.024	< 0.025	< 0.022	< 0.022	< 0.023
1,3-Dichlorobenzene	NA	NA	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
1,4-Dichlorobenzene	110	1.4	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
2-Chlorotoluene	910	4.7	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
4-Chlorotoluene	250	4.8	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Benzene	51	0.051	< 0.022	< 0.034	0.11	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Carbon Tetrachloride	29	0.039	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Chlorobenzene	760	1.4	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Chloroform	14	0.44	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Chloromethane	460	0.98	< 0.045	< 0.068	< 0.056	< 0.044	< 0.05	< 0.046	< 0.048	< 0.053	< 0.046	< 0.05	0.078 HC	< 0.044	< 0.05	< 0.045	< 0.045	< 0.046
cis-1,2-Dichloroethene	2300	0.41	0.023	0.44	0.42	55 E	150 E	24 E	< 0.024	3.4	9.2	4.4	17 E	< 0.022	0.026	2.1	3.3	< 0.023
Cumene (p-Isopropyltoluene)	NA	15	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Dichloromethane	3200	0.025	< 0.089	< 0.14	< 0.11	< 0.087	< 0.099	< 0.092	< 0.095	< 0.11	< 0.091	< 0.099	< 0.098	< 0.088	< 0.1	< 0.089	< 0.09	< 0.093
Ethylbenzene	250	16	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
m&p-Xylenes	NA	3.7	< 0.045	< 0.068	< 0.056	< 0.044	< 0.05	< 0.046	< 0.048	< 0.053	< 0.046	< 0.05	< 0.049	< 0.044	< 0.05	< 0.045	< 0.045	< 0.046
Naphthalene	170	0.11	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
n-Butylbenzene	110	64	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
n-Propylbenzene	260	25	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
o-Xylene	430	3.7	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
sec-Butylbenzene	150	120	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Styrene (Monomer)	870	2.2	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
tert-Butylbenzene	180	31	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Tetrachloroethene	170	0.045	< 0.022	< 0.034	< 0.028	0.025	< 0.025	< 0.023	< 0.024	0.085	0.12	0.061	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Toluene	820	14	< 0.022	< 0.034	< 0.028	< 0.022	< 0.025	< 0.023	< 0.024	< 0.026	< 0.023	< 0.025	< 0.025	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Total Xylenes	260	200	< 0.067	< 0.1	< 0.084	< 0.065	< 0.074	< 0.069	< 0.072	< 0.079	< 0.068	< 0.074	< 0.074	< 0.066	< 0.075	< 0.067	< 0.067	< 0.069
trans-1,2-Dichloroethene	1900	0.62	< 0.022	< 0.034	< 0.028	0.21	0.94	< 0.023	< 0.024	0.033	0.097	1.1	0.27	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023
Trichloroethene	19	0.036	0.039 HC	0.81 HC	2 HC	180 HCE	160 HCE	0.026 HC	0.043 HC	26 HCE	230 HCE	280 HCE	270 HCE	0.06	1.7	90 E	88 E	0.073
Vinyl chloride	17	0.014	< 0.022	< 0.034	< 0.028	0.11 HC	0.18 HC	0.52 HC	< 0.024	< 0.026	< 0.023	0.033 HC	0.098 HC	< 0.022	< 0.025	< 0.022	< 0.022	< 0.023

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Former AST Area															
			SAP-15					SAP-16					SAP-17					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	3	4	8	12	1	4	8	12	16	1	4	8	12	16	
8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018				
1,1,1-Trichloroethane	640	1.4	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,1,2,2-Tetrachloroethane	27	0.043	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,1,2-Trichloroethane	6.3	0.032	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,1-Dichloroethane	160	0.16	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,1-Dichloroethene	1000	0.05	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023X	< 0.024	< 0.024	< 0.027
1,2,3-Trichlorobenzene	930	0.42	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,2,4-Trichlorobenzene	260	4.1	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,2,4-Trimethylbenzene	220	0.44	< 0.023HC	< 0.023HC	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022HC	< 0.022HC	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,2-Dichlorobenzene	380	12	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,2-Dichloroethane	20	0.028	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,3,5-Trimethylbenzene	180	3.4	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,3-Dichlorobenzene	NA	NA	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
1,4-Dichlorobenzene	110	1.4	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
2-Chlorotoluene	910	4.7	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
4-Chlorotoluene	250	4.8	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Benzene	51	0.051	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Carbon Tetrachloride	29	0.039	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Chlorobenzene	760	1.4	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Chloroform	14	0.44	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Chloromethane	460	0.98	< 0.046	< 0.046	< 0.049	< 0.05	< 0.047	< 0.045	< 0.046	< 0.048	< 0.046	< 0.043	< 0.044	< 0.047LC	< 0.046XLC	< 0.047LC	< 0.048LC	< 0.054LC
cis-1,2-Dichloroethene	2300	0.41	< 0.023	< 0.023	< 0.025	2.5	6.4	< 0.023	< 0.023	< 0.024	0.25	2	2.1	< 0.024	0.21	1.2	14 E	4
Cumene (p-Isopropyltoluene)	NA	15	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Dichloromethane	3200	0.025	< 0.091	< 0.091	< 0.099	< 0.1	< 0.093	< 0.09	< 0.093	< 0.095	< 0.093	< 0.087	< 0.089	< 0.094	< 0.091	< 0.095	< 0.096	< 0.11
Ethylbenzene	250	16	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
m&p-Xylenes	NA	3.7	< 0.046	< 0.046	< 0.049	< 0.05	< 0.047	< 0.045	< 0.046	< 0.048	< 0.046	< 0.043	< 0.044	< 0.047	< 0.046	< 0.047	< 0.048	< 0.054
Naphthalene	170	0.11	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
n-Butylbenzene	110	64	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
n-Propylbenzene	260	25	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
o-Xylene	430	3.7	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
sec-Butylbenzene	150	120	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Styrene (Monomer)	870	2.2	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
tert-Butylbenzene	180	31	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Tetrachloroethene	170	0.045	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	0.061	1	0.84	< 0.024	< 0.027
Toluene	820	14	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.027
Total Xylenes	260	200	< 0.069	< 0.068	< 0.074	< 0.075	< 0.07	< 0.068	< 0.069	< 0.071	< 0.069	< 0.065	< 0.067	< 0.071	< 0.068	< 0.071	< 0.072	< 0.081
trans-1,2-Dichloroethene	1900	0.62	< 0.023	< 0.023	< 0.025	0.11	0.21	< 0.023	< 0.023	< 0.024	< 0.023	0.049	0.12	< 0.024	< 0.023	< 0.024	0.3	< 0.027
Trichloroethene	19	0.036	< 0.023	< 0.023	0.036	0.077	100 E	0.024	0.053	0.36	12 E	66 E	0.93	< 0.024	5.6	86 E	36 E	180 E
Vinyl chloride	17	0.014	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.022	< 0.022HC	< 0.024	< 0.023X	< 0.024	< 0.024	< 0.027

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Former AST Area															
			SAP-18					SAP-19					SAP-20					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16	
8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018				
1,1,1-Trichloroethane	640	1.4	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,1,2,2-Tetrachloroethane	27	0.043	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,1,2-Trichloroethane	6.3	0.032	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,1-Dichloroethane	160	0.16	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,1-Dichloroethene	1000	0.05	< 0.026	0.035	0.076	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	0.17	0.047	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,2,3-Trichlorobenzene	930	0.42	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,2,4-Trichlorobenzene	260	4.1	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,2,4-Trimethylbenzene	220	0.44	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	0.05	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,2-Dichlorobenzene	380	12	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,2-Dichloroethane	20	0.028	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,3,5-Trimethylbenzene	180	3.4	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,3-Dichlorobenzene	NA	NA	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
1,4-Dichlorobenzene	110	1.4	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
2-Chlorotoluene	910	4.7	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
4-Chlorotoluene	250	4.8	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Benzene	51	0.051	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Carbon Tetrachloride	29	0.039	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Chlorobenzene	760	1.4	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Chloroform	14	0.44	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Chloromethane	460	0.98	< 0.052LC	< 0.047LC	< 0.05LC	< 0.046LC	< 0.049LC	< 0.048	< 0.058	0.16	0.13	< 0.05X	< 0.054	< 0.052	< 0.047	0.16	< 0.053	
cis-1,2-Dichloroethene	2300	0.41	0.15	13 E	18 E	20 E	0.35	< 0.024	< 0.029	< 0.024	45 E	43 XE	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Cumene (p-Isopropyltoluene)	NA	15	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Dichloromethane	3200	0.025	< 0.1	< 0.095	< 0.099	< 0.092	< 0.099	< 0.096	< 0.12	< 0.095	< 0.093	< 0.099	< 0.11	< 0.1	< 0.093	< 0.11	< 0.11	
Ethylbenzene	250	16	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
m&p-Xylenes	NA	3.7	< 0.052	< 0.047	< 0.05	< 0.046	< 0.049	< 0.048	< 0.058	< 0.048	< 0.047	< 0.05	< 0.054	< 0.052	< 0.047	< 0.057	< 0.053	
Naphthalene	170	0.11	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
n-Butylbenzene	110	64	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
n-Propylbenzene	260	25	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
o-Xylene	430	3.7	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
sec-Butylbenzene	150	120	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	0.2	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Styrene (Monomer)	870	2.2	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
tert-Butylbenzene	180	31	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Tetrachloroethene	170	0.045	1.3	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	0.13	< 0.024	< 0.023	< 0.025	0.048	0.032	< 0.023	< 0.028	< 0.026	
Toluene	820	14	< 0.026	< 0.024	< 0.025	< 0.023	< 0.025	< 0.024	< 0.029	< 0.024	< 0.023	< 0.025	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Total Xylenes	260	200	< 0.079	< 0.071	< 0.074	< 0.069	< 0.074	< 0.072	< 0.087	< 0.071	< 0.07	< 0.074	< 0.08	< 0.078	< 0.07	< 0.085	< 0.079	
trans-1,2-Dichloroethene	1900	0.62	< 0.026	0.39	0.56	0.57	< 0.025	< 0.024	< 0.029	< 0.024	0.37	0.14 X	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	
Trichloroethene	19	0.036	0.66	13 E	110 HC	4.1	< 0.025	0.053	0.11	< 0.024	25 E	0.053	0.074	0.21	0.023	< 0.028	< 0.026	
Vinyl chloride	17	0.014	< 0.026	0.028	0.043 HC	0.046 HC	< 0.025	< 0.024	< 0.029	< 0.024HC	0.78	1.1	< 0.027	< 0.026	< 0.023	< 0.028	< 0.026	

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Former AST Area														
			SAP-34					SAP-35					SAP-36				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018			
1,1,1-Trichloroethane	640	1.4	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,1,2,2-Tetrachloroethane	27	0.043	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,1,2-Trichloroethane	6.3	0.032	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,1-Dichloroethane	160	0.16	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,1-Dichloroethene	1000	0.05	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,2,3-Trichlorobenzene	930	0.42	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,2,4-Trichlorobenzene	260	4.1	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,2,4-Trimethylbenzene	220	0.44	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,2-Dichlorobenzene	380	12	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,2-Dichloroethane	20	0.028	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,3,5-Trimethylbenzene	180	3.4	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,3-Dichlorobenzene	NA	NA	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
1,4-Dichlorobenzene	110	1.4	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
2-Chlorotoluene	910	4.7	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
4-Chlorotoluene	250	4.8	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Benzene	51	0.051	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Carbon Tetrachloride	29	0.039	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Chlorobenzene	760	1.4	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Chloroform	14	0.44	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Chloromethane	460	0.98	< 0.047	< 0.05	< 0.045	< 0.045	< 0.044	< 0.048	< 0.047	< 0.045	< 0.048	< 0.043	< 0.049	< 0.05	< 0.045	< 0.048	< 0.046
cis-1,2-Dichloroethene	2300	0.41	< 0.024	< 0.025	0.4	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	0.48	< 0.024	< 0.023
Cumene (p-Isopropyltoluene)	NA	15	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Dichloromethane	3200	0.025	< 0.094	< 0.1	< 0.09	< 0.09	< 0.087	< 0.096	< 0.095	< 0.09	< 0.095	< 0.086	< 0.098	< 0.099	< 0.09	< 0.096	< 0.093
Ethylbenzene	250	16	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
m&p-Xylenes	NA	3.7	< 0.047	< 0.05	< 0.045	< 0.045	< 0.044	< 0.048	< 0.047	< 0.045	< 0.048	< 0.043	< 0.049	< 0.05	< 0.045	< 0.048	< 0.046
Naphthalene	170	0.11	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
n-Butylbenzene	110	64	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
n-Propylbenzene	260	25	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
o-Xylene	430	3.7	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
sec-Butylbenzene	150	120	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Styrene (Monomer)	870	2.2	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
tert-Butylbenzene	180	31	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Tetrachloroethene	170	0.045	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Toluene	820	14	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Total Xylenes	260	200	< 0.071	< 0.075	< 0.067	< 0.067	< 0.066	< 0.072	< 0.071	< 0.068	< 0.071	< 0.065	< 0.074	< 0.075	< 0.067	< 0.072	< 0.069
trans-1,2-Dichloroethene	1900	0.62	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023
Trichloroethene	19	0.036	< 0.024	0.034	0.1	0.14	< 0.022	0.21	0.25	0.036	< 0.024	< 0.022	0.025	0.043	16 E	< 0.024	< 0.023
Vinyl chloride	17	0.014	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.024	< 0.024	< 0.023	< 0.024X	< 0.022	< 0.025	< 0.025	< 0.022	< 0.024	< 0.023

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Former AST Area										Southwestern Corner of Building				
			SAP-44					SAP-45					SAP-21				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018			
1,1,1-Trichloroethane	640	1.4	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,1,2,2-Tetrachloroethane	27	0.043	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,1,2-Trichloroethane	6.3	0.032	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,1-Dichloroethane	160	0.16	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024M	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,1-Dichloroethene	1000	0.05	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024XM	< 0.022	< 0.024	0.041	< 0.023	< 0.023
1,2,3-Trichlorobenzene	930	0.42	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,2,4-Trichlorobenzene	260	4.1	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,2,4-Trimethylbenzene	220	0.44	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,2-Dichlorobenzene	380	12	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,2-Dichloroethane	20	0.028	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,3,5-Trimethylbenzene	180	3.4	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,3-Dichlorobenzene	NA	NA	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
1,4-Dichlorobenzene	110	1.4	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
2-Chlorotoluene	910	4.7	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
4-Chlorotoluene	250	4.8	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Benzene	51	0.051	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Carbon Tetrachloride	29	0.039	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Chlorobenzene	760	1.4	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Chloroform	14	0.44	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Chloromethane	460	0.98	< 0.044	< 0.048	< 0.045	< 0.048	< 0.047	< 0.049	< 0.047	< 0.044	< 0.046	< 0.048X	< 0.045	< 0.049	< 0.053	< 0.047	< 0.045
cis-1,2-Dichloroethene	2300	0.41	< 0.022	< 0.024	0.19	< 0.024	< 0.024	< 0.025	< 0.023	0.25	0.72	< 0.024	0.31	0.11	0.51	< 0.023	< 0.023
Cumene (p-Isopropyltoluene)	NA	15	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Dichloromethane	3200	0.025	< 0.088	< 0.097	< 0.091	< 0.095	< 0.094	< 0.099	< 0.094	< 0.088	< 0.092	< 0.096	< 0.09	< 0.098	< 0.11	< 0.094	< 0.091
Ethylbenzene	250	16	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
m&p-Xylenes	NA	3.7	< 0.044	< 0.048	< 0.045	< 0.048	< 0.047	< 0.049	< 0.047	< 0.044	< 0.046	< 0.048	< 0.045	< 0.049	< 0.053	< 0.047	< 0.045
Naphthalene	170	0.11	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
n-Butylbenzene	110	64	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
n-Propylbenzene	260	25	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
o-Xylene	430	3.7	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
sec-Butylbenzene	150	120	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Styrene (Monomer)	870	2.2	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
tert-Butylbenzene	180	31	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Tetrachloroethene	170	0.045	0.19	14 E	< 0.023	< 0.024	< 0.024	< 0.025	0.054	22 E	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Toluene	820	14	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023
Total Xylenes	260	200	< 0.066	< 0.072	< 0.068	< 0.071	< 0.071	< 0.074	< 0.07	< 0.066	< 0.069	< 0.072	< 0.067	< 0.073	< 0.08	< 0.07	< 0.068
trans-1,2-Dichloroethene	1900	0.62	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	0.07	< 0.024X	< 0.022	< 0.024	0.068	< 0.023	< 0.023
Trichloroethene	19	0.036	0.33	0.97	< 0.023	< 0.024	< 0.024	< 0.025	0.15	0.75	< 0.023	< 0.024	3.1	3.6	45 E	< 0.023	0.04
Vinyl chloride	17	0.014	< 0.022	< 0.024	< 0.023	< 0.024	< 0.024	< 0.025	< 0.023	< 0.022	< 0.023	< 0.024X	< 0.022	< 0.024	< 0.027	< 0.023	< 0.023

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration Indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
 Results of the Analysis of Soil in the Source Area Investigation
 GE Tell City Facility
 1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Southwestern Corner of Building															
			SAP-22					SAP-23					SAP-24					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16	
8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018				
1,1,1-Trichloroethane	640	1.4	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,1,2,2-Tetrachloroethane	27	0.043	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,1,2-Trichloroethane	6.3	0.032	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	0.36	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,1-Dichloroethane	160	0.16	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,1-Dichloroethene	1000	0.05	< 0.042	< 0.025	< 0.025	0.19	0.18	< 0.025	< 0.024	< 0.024	0.25	0.57	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,2,3-Trichlorobenzene	930	0.42	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,2,4-Trichlorobenzene	260	4.1	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,2,4-Trimethylbenzene	220	0.44	0.055	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,2-Dichlorobenzene	380	12	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,2-Dichloroethane	20	0.028	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,3,5-Trimethylbenzene	180	3.4	0.045	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,3-Dichlorobenzene	NA	NA	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
1,4-Dichlorobenzene	110	1.4	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
2-Chlorotoluene	910	4.7	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
4-Chlorotoluene	250	4.8	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Benzene	51	0.051	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Carbon Tetrachloride	29	0.039	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Chlorobenzene	760	1.4	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Chloroform	14	0.44	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Chloromethane	460	0.98	1.4	< 0.05	< 0.051	0.3	0.71	< 0.049	< 0.047	< 0.048	< 0.047	0.24 HC	< 0.051	< 0.05	< 0.052	0.38 HC	< 0.051	< 0.051
cis-1,2-Dichloroethene	2300	0.41	0.73	< 0.025	< 0.025	1.6	6	< 0.025	< 0.024	< 0.024	0.58	2.7	< 0.026	< 0.025	< 0.026	0.18	< 0.026	< 0.025
Cumene (p-Isopropyltoluene)	NA	15	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	0.047	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Dichloromethane	3200	0.025	< 0.17	< 0.099	< 0.1	< 0.094	< 0.092	< 0.099	< 0.095	< 0.096	< 0.094	< 0.09	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	250	16	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
m&p-Xylenes	NA	3.7	< 0.083	< 0.05	< 0.051	< 0.047	< 0.046	< 0.049	< 0.047	< 0.048	< 0.047	< 0.045	< 0.051	< 0.05	< 0.052	< 0.051	< 0.051	< 0.051
Naphthalene	170	0.11	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024X	< 0.024	0.026	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
n-Butylbenzene	110	64	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
n-Propylbenzene	260	25	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
o-Xylene	430	3.7	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
sec-Butylbenzene	150	120	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Styrene (Monomer)	870	2.2	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
tert-Butylbenzene	180	31	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Tetrachloroethene	170	0.045	3.1	< 0.025	< 0.025	1.4	< 0.023	< 0.025	< 0.024	1.2	16 E	0.053	< 0.026	< 0.025	0.29	< 0.026	< 0.026	< 0.025
Toluene	820	14	< 0.042	< 0.025	< 0.025	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	0.036	< 0.023	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Total Xylenes	260	200	< 0.13	< 0.074	< 0.076	< 0.07	< 0.069	< 0.074	< 0.071	< 0.072	< 0.071	< 0.068	< 0.077	< 0.075	< 0.077	< 0.077	< 0.077	< 0.076
trans-1,2-Dichloroethene	1900	0.62	< 0.042	< 0.025	< 0.025	< 0.023	2.1	< 0.025	< 0.024	< 0.024	< 0.024	0.46	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025
Trichloroethene	19	0.036	360 E	0.71	2.4	320 E	0.48	1.3	0.64	7.2	370 E	120 E	0.18	0.15	89 E	1.2	0.076	0.076
Vinyl chloride	17	0.014	< 0.042	< 0.025	< 0.025	0.069	0.38	< 0.025	< 0.024X	< 0.024	0.041	0.18	< 0.026	< 0.025	< 0.026	< 0.026	< 0.026	< 0.025

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Milligrams per Kilogram

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Southwestern Corner of Building														
			SAP-25					SAP-26					SAP-27				
			Depth (Feet)					Depth (Feet)					Depth (Feet)				
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16
8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018			
1,1,1-Trichloroethane	640	1.4	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,1,2,2-Tetrachloroethane	27	0.043	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,1,2-Trichloroethane	6.3	0.032	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,1-Dichloroethane	160	0.16	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,1-Dichloroethene	1000	0.05	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,2,3-Trichlorobenzene	930	0.42	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,2,4-Trichlorobenzene	260	4.1	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,2,4-Trimethylbenzene	220	0.44	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
1,2-Dichlorobenzene	380	12	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,2-Dichloroethane	20	0.028	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,3,5-Trimethylbenzene	180	3.4	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
1,3-Dichlorobenzene	NA	NA	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
1,4-Dichlorobenzene	110	1.4	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
2-Chlorotoluene	910	4.7	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
4-Chlorotoluene	250	4.8	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
Benzene	51	0.051	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Carbon Tetrachloride	29	0.039	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Chlorobenzene	760	1.4	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Chloroform	14	0.44	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Chloromethane	460	0.98	< 0.061	< 0.072	< 0.052	0.4 HC	< 0.048	< 0.054	< 0.054	0.45 HC	0.36 HC	0.35 HC	< 0.075	< 0.05	< 0.049	0.21 HC	0.34 HC
cis-1,2-Dichloroethene	2300	0.41	< 0.031	< 0.036	< 0.026	0.22	< 0.024	< 0.027	0.11	2.6	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Cumene (p-Isopropyltoluene)	NA	15	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
Dichloromethane	3200	0.025	< 0.12	< 0.14	< 0.1	< 0.096	< 0.097	< 0.11	< 0.11	< 0.12	< 0.11	< 0.094	< 0.15	< 0.099	< 0.097	< 0.098	< 0.092
Ethylbenzene	250	16	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
m&p-Xylenes	NA	3.7	< 0.061	< 0.072	< 0.052	< 0.048	< 0.048	< 0.054	< 0.054	< 0.061	< 0.054	< 0.047	< 0.075	< 0.05X	< 0.049	< 0.049	< 0.046
Naphthalene	170	0.11	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
n-Butylbenzene	110	64	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
n-Propylbenzene	260	25	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
o-Xylene	430	3.7	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
sec-Butylbenzene	150	120	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
Styrene (Monomer)	870	2.2	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
tert-Butylbenzene	180	31	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025X	< 0.024	< 0.025	< 0.023
Tetrachloroethene	170	0.045	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	0.028	< 0.03	< 0.027	< 0.023	< 0.037	0.24 X	< 0.024	< 0.025	< 0.023
Toluene	820	14	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Total Xylenes	260	200	< 0.092	< 0.11	< 0.078	< 0.072	< 0.072	< 0.082	< 0.082	< 0.091	< 0.08	< 0.07	< 0.11	< 0.074	< 0.073	< 0.074	< 0.069
trans-1,2-Dichloroethene	1900	0.62	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023
Trichloroethene	19	0.036	0.71	0.67	8.3	40 E	< 0.024	1.9	8.2	12	0.073	< 0.023	< 0.037	0.63 X	< 0.024	< 0.025	0.036
Vinyl chloride	17	0.014	< 0.031	< 0.036	< 0.026	< 0.024	< 0.024	< 0.027	< 0.027	< 0.03	< 0.027	< 0.023	< 0.037	< 0.025	< 0.024	< 0.025	< 0.023

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Southwestern Corner of Building															
			SAP-40					SAP-41					SAP-42					
			Depth (Feet)					Depth (Feet)					Depth (Feet)					
			1	4	8	12	16	1	4	8	12	16	1	4	8	12	16	
8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018				
1,1,1-Trichloroethane	640	1.4	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,1,2,2-Tetrachloroethane	27	0.043	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,1,2-Trichloroethane	6.3	0.032	< 0.024	0.15	0.32	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,1-Dichloroethane	160	0.16	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,1-Dichloroethene	1000	0.05	< 0.024	< 0.025	0.61	0.22	< 0.024MX	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,2,3-Trichlorobenzene	930	0.42	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,2,4-Trichlorobenzene	260	4.1	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,2,4-Trimethylbenzene	220	0.44	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,2-Dichlorobenzene	380	12	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,2-Dichloroethane	20	0.028	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,3,5-Trimethylbenzene	180	3.4	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,3-Dichlorobenzene	NA	NA	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
1,4-Dichlorobenzene	110	1.4	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
2-Chlorotoluene	910	4.7	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
4-Chlorotoluene	250	4.8	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Benzene	51	0.051	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Carbon Tetrachloride	29	0.039	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024M	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Chlorobenzene	760	1.4	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Chloroform	14	0.44	< 0.024	0.052	0.031	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Chloromethane	460	0.98	< 0.047	< 0.049	< 0.049	0.16	0.22 X	< 0.049	< 0.049	< 0.049	< 0.047	0.087	< 0.049	< 0.05	< 0.048	< 0.049	< 0.05	
cis-1,2-Dichloroethene	2300	0.41	0.68	3.3	69 E	160 E	< 0.024	< 0.025	0.033	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Cumene (p-Isopropyltoluene)	NA	15	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Dichloromethane	3200	0.025	< 0.095	< 0.098	< 0.098	< 0.09	< 0.094	< 0.098	< 0.098	< 0.097	< 0.094	< 0.095	< 0.097	< 0.1	< 0.096	< 0.097	< 0.099	
Ethylbenzene	250	16	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
m&p-Xylenes	NA	3.7	< 0.047	< 0.049	< 0.049	< 0.045	< 0.047	< 0.049	< 0.049	< 0.049	< 0.047	< 0.047	< 0.049	< 0.05	< 0.048	< 0.049	< 0.05	
Naphthalene	170	0.11	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
n-Butylbenzene	110	64	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
n-Propylbenzene	260	25	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
o-Xylene	430	3.7	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
sec-Butylbenzene	150	120	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Styrene (Monomer)	870	2.2	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
tert-Butylbenzene	180	31	< 0.024	< 0.025	< 0.025	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Tetrachloroethene	170	0.045	0.042	0.16	0.17	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	0.082	< 0.025	< 0.024	< 0.024	< 0.025	
Toluene	820	14	< 0.024	< 0.025	0.081	< 0.022	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Total Xylenes	260	200	< 0.071	< 0.074	< 0.074	< 0.067	< 0.071	< 0.074	< 0.074	< 0.073	< 0.071	< 0.071	< 0.073	< 0.075	< 0.072	< 0.073	< 0.074	
trans-1,2-Dichloroethene	1900	0.62	< 0.024	0.033	1.2	1.2	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	
Trichloroethene	19	0.036	12 E	73 E	280 E	0.091	0.034	0.83	2.4	0.78	< 0.024	< 0.024	< 0.024	4.9	0.11	0.2	0.27	
Vinyl chloride	17	0.014	< 0.024	< 0.025	0.032	0.13	< 0.024	< 0.025	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.025	

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Milligrams per Kilogram
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Migration to Groundwater Screening Level Exceedance
 E - The Concentration Indicated is above the instrument calibration Range. This value is an estimated concentration
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 HC - Results may be biased high because of high continuing calibration verification (CCV)
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Table 1
Results of the Analysis of Soil in the Source Area Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Location	Industrial Direct Contact*	Migration to Groundwater*	Southwestern Corner of Building				
			SAP-43				
			Depth (Feet)				
			1	4	8	12	16
			8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018
1,1,1-Trichloroethane	640	1.4	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	27	0.043	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,1,2-Trichloroethane	6.3	0.032	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,1-Dichloroethane	160	0.16	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,1-Dichloroethene	1000	0.05	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,2,3-Trichlorobenzene	930	0.42	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,2,4-Trichlorobenzene	260	4.1	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,2,4-Trimethylbenzene	220	0.44	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,2-Dichlorobenzene	380	12	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,2-Dichloroethane	20	0.028	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,3,5-Trimethylbenzene	180	3.4	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,3-Dichlorobenzene	NA	NA	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
1,4-Dichlorobenzene	110	1.4	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
2-Chlorotoluene	910	4.7	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
4-Chlorotoluene	250	4.8	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Benzene	51	0.051	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Carbon Tetrachloride	29	0.039	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Chlorobenzene	760	1.4	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Chloroform	14	0.44	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Chloromethane	460	0.98	< 0.047	< 0.047	< 0.048	< 0.049	< 0.049
cis-1,2-Dichloroethene	2300	0.41	< 0.024	< 0.024	< 0.024	< 0.025	0.38 M
Cumene (p-Isopropyltoluene)	NA	15	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Dichloromethane	3200	0.025	< 0.094	< 0.095	< 0.096	< 0.099	< 0.099
Ethylbenzene	250	16	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
m&p-Xylenes	NA	3.7	< 0.047	< 0.047	< 0.048	< 0.049	< 0.049
Naphthalene	170	0.11	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
n-Butylbenzene	110	64	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
n-Propylbenzene	260	25	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
o-Xylene	430	3.7	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
sec-Butylbenzene	150	120	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Styrene (Monomer)	870	2.2	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
tert-Butylbenzene	180	31	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Tetrachloroethene	170	0.045	< 0.024	< 0.024	< 0.024	< 0.025	1.5 M
Toluene	820	14	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025
Total Xylenes	260	200	< 0.071	< 0.071	< 0.072	< 0.074	< 0.074
trans-1,2-Dichloroethene	1900	0.62	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025M
Trichloroethene	19	0.036	0.25	0.065	0.29	0.2	130 E
Vinyl chloride	17	0.014	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-71					AP-75				
		50-54'	62-66'	36-40'	42-46'	48-52'	54-58'	60-64'	68-72'	74-78'	
		8/20/2018	8/20/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	8/10/2018	
1,1,1-Trichloroethane	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,1,2,2-Tetrachloroethane	0.76	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,1-Dichloroethane	28	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50M	
1,1-Dichloroethene	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,2,3-Trichlorobenzene	7	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
1,2,4-Trichlorobenzene	70	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
1,2,4-Trimethylbenzene	15	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichlorobenzene	600	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,3,5-Trimethylbenzene	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,3-Dichlorobenzene	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,4-Dichlorobenzene	75	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
2-Chlorotoluene	240	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Chlorotoluene	250	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chlorobenzene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chloroform	80	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chloromethane	190	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
cis-1,2-Dichloroethene	70	8.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Cymene (p-Isopropyltoluene)	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Dichloromethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Ethylbenzene	700	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Isopropylbenzene	450	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
m&p-Xylenes	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Naphthalene	1.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
n-Butylbenzene	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
n-Propylbenzene	660	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
o-Xylene	190	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
sec-Butylbenzene	2000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Styrene (Monomer)	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
tert-Butylbenzene	690	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	0.53	< 0.50	< 0.50	0.71	1.3	
Toluene	1000	< 0.50	< 0.50	< 0.50	0.50	< 0.50	0.53	< 0.50	< 0.50	< 0.50	
Total Xylenes	10000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	
trans-1,2-Dichloroethene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Vinyl chloride	2	< 0.50HC	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	

VAP = Vertical Aquifer Profiling

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Micrograms per Liter

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Residential Tap Water Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-78								AP-81					
		38-42'	44-48'	50-54'	56-60'	64-68'	72-76'	80-84'	88-92'	38-42'	42-46'	48-52'	54-58'	60-64'	66-70'
		8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018
1,1,1-Trichloroethane	200	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	0.76	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,1,2-Trichloroethane	5	2.4 D	< 2.0D	0.71	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,1-Dichloroethane	28	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,1-Dichloroethene	7	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,2,3-Trichlorobenzene	7	< 8.0D	< 8.0D	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0
1,2,4-Trichlorobenzene	70	< 8.0D	< 8.0D	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0
1,2,4-Trimethylbenzene	15	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,2-Dichlorobenzene	600	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,2-Dichloroethane	5	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,3,5-Trimethylbenzene	120	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,3-Dichlorobenzene	NA	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
1,4-Dichlorobenzene	75	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
2-Chlorotoluene	240	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
4-Chlorotoluene	250	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Benzene	5	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Carbon Tetrachloride	5	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Chlorobenzene	100	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Chloroform	80	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Chloromethane	190	< 8.0D	< 8.0D	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0
cis-1,2-Dichloroethene	70	< 2.0D	< 2.0D	6.7	69 D	2.2	< 0.50	< 0.50	< 0.50	< 0.50	0.70	8.5	4.3 D	2.6	< 0.50
Cymene (p-Isopropyltoluene)	NA	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Dichloromethane	5	< 8.0D	< 8.0D	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0
Ethylbenzene	700	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Isopropylbenzene	450	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
m&p-Xylenes	NA	< 4.0D	< 4.0D	< 1.0	< 4.0D	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0D	< 1.0	< 1.0
Naphthalene	1.7	< 2.0D	< 2.0D	< 5.0	< 2.0D	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0D	< 5.0	< 5.0
n-Butylbenzene	1000	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.4	< 2.0D	< 0.50	< 0.50
n-Propylbenzene	660	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
o-Xylene	190	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
sec-Butylbenzene	2000	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.3	< 2.0D	< 0.50	< 0.50
Styrene (Monomer)	100	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
tert-Butylbenzene	690	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Tetrachloroethene	5	72 D	66 D	20	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Toluene	1000	< 2.0D	< 2.0D	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	0.68	0.85	< 0.50	< 2.0D	< 0.50	< 0.50
Total Xylenes	10000	< 6.0D	< 6.0D	< 1.5	< 6.0D	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 6.0D	< 1.5	< 1.5
trans-1,2-Dichloroethene	100	< 2.0D	4.4 D	7.9	7.0 D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50
Trichloroethene	5	4.3 D	28 D	34	75 D	< 0.50	< 0.50	< 0.50	< 0.50	2.2	2.5	9.3	77 D	9.1	< 0.50
Vinyl chloride	2	< 2.0D	< 2.0D	1.8	27 D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50

VAP = Vertical Aquifer Profiling
* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
Results in Micrograms per Liter
Bold Font Indicates Detected Analyte
Shaded Cell Indicates Residential Tap Water Screening Level Exceedance
E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
D - Data reported from a dilution
X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
HC - Results may be biased high because of high continuing calibration verification (CCV)
LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-82						AP-84					
		36-40'	44-48'	52-56'	60-64'	68-72'	76-80'	38-42'	42-46'	50-54'	58-62'	66-70'	74-78'
		8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/6/2018	8/6/2018	8/6/2018	8/6/2018	8/6/2018	8/6/2018
1,1,1-Trichloroethane	200	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	0.76	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	28	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	7	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	7	< 2.0	< 4.0D	< 8.0D	< 5.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trichlorobenzene	70	< 2.0	< 4.0D	< 8.0D	< 5.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trimethylbenzene	15	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	600	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	120	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	NA	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	75	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	240	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	250	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzene	5	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	100	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	80	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	190	< 2.0	< 4.0D	< 8.0D	< 5.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	70	0.84	1.2 D	4.8 D	120 D	22	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cymene (p-Isopropyltoluene)	NA	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichloromethane	5	< 2.0	< 4.0D	< 8.0D	< 5.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	700	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	450	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m&p-Xylenes	NA	< 1.0	< 2.0D	< 4.0D	< 2.5D	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	1.7	< 5.0	< 10D	< 20D	< 13D	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	1000	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
n-Propylbenzene	660	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	190	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
sec-Butylbenzene	2000	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	100	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	690	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	0.66	1.6	1.1	1.1	0.91	0.75
Toluene	1000	0.74	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Xylenes	10000	< 1.5	< 3.0D	< 6.0D	< 3.8D	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
trans-1,2-Dichloroethene	100	< 0.50	< 1.0D	2.6 D	8.0 D	0.55	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	22	70 D	130 D	62 D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	< 0.50	< 1.0D	< 2.0D	< 1.3D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

VAP = Vertical Aquifer Profiling
 * 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
 Results in Micrograms per Liter
 Bold Font Indicates Detected Analyte
 Shaded Cell Indicates Residential Tap Water Screening Level Exceedance
 E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
 D - Data reported from a dilution
 X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
 S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
 HC - Results may be biased high because of high continuing calibration verification (CCV)
 LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-85								AP-86							
		37-41'	50-54'	58-62'	66-70'	74-78'	82-86'	90-94'	38-42'	46-50'	50-54'	54-58'	58-62'	62-66'	70-74'	78-82'	
		8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	8/8/2018	
1,1,1-Trichloroethane	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
1,1,2,2-Tetrachloroethane	0.76	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	28	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	7	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 8.0D	< 8.0D	< 2.0	< 2.0	< 2.0
1,2,4-Trichlorobenzene	70	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 8.0D	< 8.0D	< 2.0	< 2.0	< 2.0
1,2,4-Trimethylbenzene	15	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	600	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	75	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	240	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	250	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Benzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.60	< 2.0D	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Chlorobenzene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Chloroform	80	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Chloromethane	190	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 8.0D	< 8.0D	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	70	0.56	4.0	200 D	< 0.50	< 0.50	< 0.50	< 0.50	3.7	27	110 D	120 D	520 D	44	11	< 0.50	< 0.50
Cymene (p-Isopropyltoluene)	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Dichloromethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 8.0D	< 8.0D	< 2.0	< 2.0	< 2.0
Ethylbenzene	700	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Isopropylbenzene	450	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
m&p-Xylenes	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0D	< 4.0D	< 4.0D	< 1.0	< 1.0	< 1.0
Naphthalene	1.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0D	< 2.0D	< 2.0D	< 5.0	< 5.0	< 5.0
n-Butylbenzene	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
n-Propylbenzene	660	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
o-Xylene	190	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
sec-Butylbenzene	2000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	690	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	2.2	0.80	1.9	1.1	1.6	2.7	2.7	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	1000	0.57	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.51	0.62	< 0.50	< 2.0D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50
Total Xylenes	10000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 6.0D	< 6.0D	< 6.0D	< 1.5	< 1.5	< 1.5
trans-1,2-Dichloroethene	100	< 0.50	0.66	21	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.9	8.4 D	10 D	47 D	1.8	< 0.50	< 0.50
Trichloroethene	5	0.86	20	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.3	14	16 D	19 D	< 2.0D	< 2.0D	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	< 0.50	< 0.50	4.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 2.0D	< 2.0D	6.3	< 0.50	< 0.50	< 0.50

VAP = Vertical Aquifer Profiling
* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
Results in Micrograms per Liter
Bold Font Indicates Detected Analyte
Shaded Cell Indicates Residential Tap Water Screening Level Exceedance
E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
D - Data reported from a dilution
X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
HC - Results may be biased high because of high continuing calibration verification (CCV)
LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-87					AP-88							
		37-41'	50-54'	58-62'	66-70'	75-79'	38-42'	44-48'	52-56'	60-64'	68-72'	76-80'	84-88'	92-96'
		8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018
1,1,1-Trichloroethane	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.1	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	0.76	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	28	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	7	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trichlorobenzene	70	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trimethylbenzene	15	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	600	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	0.68	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	75	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	240	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	250	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	80	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	190	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	70	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	3.0	< 0.50	< 0.50	< 0.50	< 0.50
Cymene (p-Isopropyltoluene)	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichloromethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0D	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	700	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	450	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m&p-Xylenes	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0D	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	1.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20D	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
n-Propylbenzene	660	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	190	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
sec-Butylbenzene	2000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	690	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.4	1.3	< 2.0D	1.5	0.53	< 0.50	0.90	1.0
Toluene	1000	0.62	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Xylenes	10000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 6.0D	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
trans-1,2-Dichloroethene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	0.55	< 0.50	1.6	4.2	85 D	3.7	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0D	< 0.50HC	< 0.50	< 0.50	< 0.50	< 0.50

VAP = Vertical Aquifer Profiling

* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available

Results in Micrograms per Liter

Bold Font Indicates Detected Analyte

Shaded Cell Indicates Residential Tap Water Screening Level Exceedance

E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration

D - Data reported from a dilution

X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits

S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect

HC - Results may be biased high because of high continuing calibration verification (CCV)

LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 2
Results of the Analysis of Groundwater in the VAP Investigation
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Analyte	Tap Water*	AP-89						AP-90					
		37-41'	46-50'	54-58'	62-66'	70-74'	79-83'	38-42'	42-46'	48-52'	54-58'	60-64'	66-70'
		8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018	8/21/2018
1,1,1-Trichloroethane	200	0.64	1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	0.76	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	28	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	7	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trichlorobenzene	70	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trimethylbenzene	15	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	600	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	75	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	240	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	250	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	80	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	190	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	70	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cymene (p-Isopropyltoluene)	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichloromethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	700	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	450	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m&p-Xylenes	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	1.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
n-Propylbenzene	660	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	190	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
sec-Butylbenzene	2000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	690	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	0.80	0.83	0.84	0.66	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	1000	< 0.50	0.52	0.51	< 0.50	< 0.50	< 0.50	0.61	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Xylenes	10000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
trans-1,2-Dichloroethene	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

VAP = Vertical Aquifer Profiling
* 2017 Remediation Closure Guide Screening Level; NA = No Screening Level Available
Results in Micrograms per Liter
Bold Font Indicates Detected Analyte
Shaded Cell Indicates Residential Tap Water Screening Level Exceedance
E - The Concentration indicated is above the instrument calibration Range. This value is an estimated concentration
D - Data reported from a dilution
X - Precision for the matrix spike duplicate, laboratory control sample duplicate, or lab duplicate was outside of control limits
S - Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect
HC - Results may be biased high because of high continuing calibration verification (CCV)
LC - Results may be biased low because of low continuing calibration verification (CCV)

Table 3
Well Gauging Data
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Well	Screened Interval (Depth Ft.)	Date	Top of Casing	Depth To Water	Water Elevation	Geologic Regime
MW-1	16-26'	11/3/2011	98.92	6.88	92.04	Southeastern Fill Area of Site; Fill into Clay
		8/9/2017	98.92	6.51	92.41	
		4/9/2018	98.92	4.46	94.46	
MW-2	14-24'	11/3/2011	100.22	10.15	90.07	Southeastern Fill Area of Site; Fill into Clay
		8/9/2017	100.22	10.43	89.79	
		4/9/2018	100.22	9.73	90.49	
MW-3	14-24'	11/3/2011	96.94	15.10	81.84	Southeastern Fill Area of Site; Fill into Clay
		8/9/2017	96.94	15.08	81.86	
		4/9/2017	96.94	12.26	84.68	
MW-4	16-26'	11/3/2011	99.44	8.35	91.09	Southeastern Fill Area of Site; Fill into Clay
		8/9/2017	99.44	7.44	92.00	
		4/9/2018	99.44	6.28	93.16	
MW-5S	23-33'	8/9/2017	99.53	26.78	72.75	Ohio River Outwash Aquifer Subsystem
		4/9/2018	99.53	26.93	72.60	
		9/6/2018	99.53	25.80	73.73	
MW-5D	41-51'	8/9/2017	99.53	25.04	74.49	Clay below Ohio River Outwash Subsystem
		4/9/2018	99.53	25.93	73.60	
		9/6/2018	99.53	24.97	74.56	
MW-6S	21-31'	8/9/2017	98.78	25.33	73.45	Ohio River Outwash Aquifer Subsystem
		4/9/2018	98.78	25.29	73.49	
		9/6/2018	98.78	24.28	74.50	
MW-6D	40-50'	8/9/2017	98.30	24.23	74.07	Clay below Ohio River Outwash Subsystem
		4/9/2018	98.30	22.73	75.57	
		9/6/2018	98.30	23.50	74.80	
MW-7	29-39'	8/9/2017	100.65	19.23	81.42	Southeastern Clay Area of Site
		4/9/2018	100.65	13.52	87.13	
		9/6/2018	100.65	13.81	86.84	
MW-8S	22-32'	8/9/2017	101.91	28.23	73.68	Ohio River Outwash Aquifer Subsystem
		4/9/2018	101.91	28.28	73.63	
		9/6/2018	101.91	27.26	74.65	
MW-8D	40-50'	8/9/2017	101.52	26.01	75.51	Clay below Ohio River Outwash Subsystem
		4/9/2018	101.52	26.15	75.37	
		9/6/2018	101.52	25.00	76.52	
MW-9S	13-23'	9/6/2018	102.24	16.12	86.12	Ohio River Outwash Aquifer Subsystem (transitional from clay areas of Site)
MW-9D	45-50'	9/6/2018	102.40	24.89	77.51	Clay below Ohio River Outwash Subsystem
MW-10S	25-35'	9/6/2018	102.47	29.08	73.39	Ohio River Outwash Aquifer Subsystem
MW-10D	43-48'	9/6/2018	102.22	28.83	73.39	Clay below Ohio River Outwash Subsystem
MW-11	25-35'	9/6/2018	88.01	25.80	62.21	Ohio River Outwash Aquifer Subsystem
MW-12	28-38'	9/6/2018	91.84	29.31	62.53	Ohio River Outwash Aquifer Subsystem
MW-13	24-34'	9/6/2018	100.69	32.57	68.12	Ohio River Outwash Aquifer Subsystem
MW-14	28-38'	9/6/2018	103.20	31.19	72.01	Ohio River Outwash Aquifer Subsystem
PZ-01		9/6/2018	100.48	17.26	83.22	Southeastern Clay Area of Site

Data Presented in Feet
Datum is a Point Set at 100 Feet in AOC-1

Table 4
Summary of Vapor Intrusion Work
GE Tell City Facility
1412 13th Street, Tell City, Indiana

Assigned Number	Sample Dates	Results	Status
ID01	4/6 & 7/9	SS TCE=4,800 ug/m ³ ; IA<SL	Precautionary Mitigation Installed; 30-Day Check Complete
ID02	4/10 & 7/9	SS TCE=500 ug/m ³ ; IA<SL	Precautionary Mitigation Installed; 30-Day Check Complete
ID03	4/13	SS< SL; IA<SL*	One Sampling Event Complete; Transmittal Letter Sent 4/27/2018
ID04	4/13 & 8/10	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID04WS	6/29	SS<SL; IA<SL*	One Sampling Event Complete; Transmittal Letter Sent 7/16/2018
ID05	4/10 & 8/20	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID06	4/11 & 8/14	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID07	4/12 & 8/22	SS< SL; IA<SL*	Two Sampling Events Complete Second Transmittal Letter Sent 9/17/18
ID08	4/13 & 8/15	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID09	4/13 & 8/15	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID10	4/13 & 8/23	SS TCE=130ug/m ³ ; IA<SL	Precautionary Mitigation Installed; 30-Day Check Complete
ID11	4/20 & 8/21	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID12	4/20 & 8/21	SS TCE=79ug/m ³ ; IA<SL/all below screening levels in 2nd sampling	Two Sampling Events Complete; Second Transmittal Letter Sent 9/24/18
ID13	4/20 & 8/21	CS<SL; SS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID14	4/20 & 8/14	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID15	4/20 & 8/9	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID16	4/20 & 8/22	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 10/1/18
ID17	4/20 & 8/22	CS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9-17-18
ID18	4/20 & 8/8	CS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID19	5/9 & 8/21	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID20	5/9 & 8/21	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID21	5/9 & 8/15	SS TCE=2,800; IAb TCE=2.8 ug/m ³ ; IAff TCE <0.17 ug/m ³ 30-Day IA < SL	Precautionary Mitigation Installed; 30-Day Check Complete
ID22	5/8 & 8/7	CS<SL*; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID23	5/9 & 8/15	SS TCE=2,400ug/m ³ ; IA<SL*	Precautionary Mitigation Installed; 30-Day Check Complete
ID24	5/9 & 8/14	SS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID25	5/10 & 8/7	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID26	5/9 & 8/7	CS<SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID27	5/16 & 8/16	SS TCE=630 ug/m ³ ; IA<SL*	Precautionary Mitigation Installed; 30-Day Check Complete
ID28	5/16	SS< SL; IA<SL	One Sampling Event Complete; Transmittal Letter Sent 6/5/2018
ID29	5/15 & 8/6	CS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID30	5/15 & 8/17	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/5/18
ID31	5/16 & 8/16	SS TCE=2,000 ug/m ³ ; IA<SL*	Precautionary Mitigation Installed; 30-Day Check Complete
ID32	5/23 & 8/8	CS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID33	5/23 & 8/8	CS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID34	5/23 & 8/17	SS TCE=10,000ug/m ³ ; IA<SL*	Precautionary Mitigation Installed; 30-Day Check Complete
ID35	5/23 & 8/21	SS TCE=4,000 ug/m ³ ; IA<SL	Precautionary Mitigation Installed; 30-Day Check Complete
ID36	5/23	SS TCE=1,200ug/m ³ ; IA<SL*	One Sampling Event Complete; Owner Declined Mitigation & Refuses Additional Sampling
ID37	5/23 & 8/7	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID38	6/20 & 8/9	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID39	6/20 & 8/9	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID40	6/20	SS (basement) TCE=3,400 ug/m ³ ; SS (main) <SL; ; IA<SL	Precautionary Mitigation Installed; One Sampling Event Complete; Transmittal Letter Sent 7/16/2018
ID41	9/7	SS TCE=150 ug/m ³ ; IA<SL*	First Transmittal Letter Sent 10/1/2018 Design Visit Completed
ID42	6/20	SS TCE=730ug/m ³ ; IA<SL*; CS<SL*	One Sampling Event Complete; Mitigation System Installed 9/11/18
ID43	6/20 & 8/7	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID44	6/20 & 9/7	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 10/1/18
ID45	6/21 & 8/8	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID46	6/21 & 8/10	CS<SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 8/31/2018
ID47	6/21 & 8/9	SS< SL; IA<SL	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID48	6/21	SS TCE=190 ug/m ³ ; IA<SL	Precautionary Mitigation Installed; One Sampling Event Completed; Transmittal Letter Sent 7/16/2018
ID49	6/22 & 8/23	SS< SL; IA<SL*	Two Sampling Events Complete; Second Transmittal Letter Sent 9/17/18
ID50	6/22	SS TCE=2,600 ug/m ³ ; IA<SL*	Transmittal Letter Sent 7/16/2018; System install scheduled
ID51	8/16	SS< SL; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 9/5/18
ID52	8/15	SS TCE=700 ug/m ³ ; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 9/24/18
ID53	8/17	SS< SL; IA<SL*	One Sampling Event Complete; First Transmittal Letter Sent 9/5/18
ID54	8/22	SS< SL; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 9/17/18
ID55	8/22	SS< SL; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 9/17/18
ID56	8/23	SS TCE=120 ug/m ³ ; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 10/1/18; Propose Monitoring
ID57	9/7	SS< SL; IA<SL*	One Sampling Event Complete; First Transmittal Letter Sent 10/1/18
ID58	9/7	SS TCE=110 ug/m ³ ; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 10/1/18; Propose Monitoring
ID59	9/7	SS< SL; IA<SL*	One Sampling Event Complete; First Transmittal Letter Sent 10/1/18
ID60	9/19	SS<SL; CS,SL; IA<SL	One Sampling Event Complete; First Transmittal Letter Sent 10/12/18
ID61	9/19	CS<SL; IA<SL*	One Sampling Event Complete; First Transmittal Letter Sent 10/12/18

*Likely indoor air source for one or more compounds

ug/m³ = microgram per cubic meter

TCE = Trichloroethene

SL=Screening Level; SS=Sub-slab; CS=Crawl Space; IA=Indoor Air; b=basement; ff=first Floor

Yellow shading indicates structures offered mitigation systems

APPENDIX A

Boring Logs



PROJECT NAME GE Tell City

CLIENT General Electric

WELL NUMBER MW-9D

PAGE 1 OF 2

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION SW Corner of Site Building

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION Not Surveyed BORE DEPTH 50.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 25.8 ft

LOGGED BY Daniel Petzold DATE 8/15/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)	
					1.5	FILL; sand; very fine to fine with some silt and gravel; loose and dry; yellowish brown.			
					3.0	CLAYEY SAND; with silt; very fine to fine grained; moderate sorting; dry and loose; brown.			
					7.8	SILT with some sand; sparse clay; soft; moist; strong brown.			
10					8.3	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.		10	
					11.0	SILT with some sand; sparse clay; soft; moist; strong brown.			
					12.5	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.			
					12.9	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.			
					14.4	SILT; moist; strong brown.			
					15.5	SAND; very fine; moderate sorting; saturated; strong brown.			
					16.0	CLAY; soft; sparse sand; moist; strong brown.			
20					16.7	SAND; very fine; moderate sorting; saturated; strong brown.		20	
					18.0	CLAY; soft; sparse sand; moist; strong brown.			
					19.9	CLAY; soft; wet; yellowish brown.			
					22.1	SILT; soft; saturated; gray.			
					23.5	SAND; very fine; moderate sorting; saturated; dark gray.			
30					25.8	CLAY; soft, moist; grayish brown.		30	
					32.5	SILT; soft to stiff; moist; grayish brown to olive gray.			
					35.4	CLAY; with silt and sand; soft, moist; olive gray.			
					37.2	SAND; very finegrained; well sorted with some silt; saturated; olive gray.			
40					48.2	CLAY; medium stiff; dry; gray.			40
					49.7	SAND; very fine; moderate sorting; soft; saturated; gray.			
					50.0	CLAY; medium stiff; moist; gray.			50

(Continued Next Page)

APPROVED BY: _____ DATE: _____



BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

PROJECT NAME GE Tell City

CLIENT General Electric

WELL NUMBER MW-9S

PAGE 1 OF 1

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION SW Corner of Site Building

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION Not Surveyed BORE DEPTH 50.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 25.8 ft

LOGGED BY Daniel Petzold DATE 8/15/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
					1.5	FILL; sand; very fine to fine with some silt and gravel; loose and dry; yellowish brown.	<p>Flush mount cover</p> <p>2" PVC Riser in granular bentonite; flush mount cover; installed in 6-inch augered boring poured into hollow stem</p> <p>2" PVC Riser in number 5 filter sand poured into hollow stem</p> <p>2" 10-Slot PVC Screen in number 5 filter sand poured into hollow stem</p> <p>2" threaded PVC bottom cap</p>	
					3.0	CLAYEY SAND; with silt; very fine to fine grained; moderate sorting; dry and loose; brown.		
					7.8	SILT with some sand; sparse clay; soft; moist; strong brown.		
10					8.3	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.		
					11.0	SILT with some sand; sparse clay; soft; moist; strong brown.		
					12.5	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.		
					12.9	SAND; with some silt; fine to medium grained; moderate sorting; moist; strong brown.		
					14.4	SILT; moist; strong brown.		
					15.5	SILT; moist; strong brown.		
					16.0	SAND; very fine; moderate sorting; saturated; strong brown.		
					16.7	CLAY; soft; sparse sand; moist; strong brown.		
20					18.0	SAND; very fine; moderate sorting; saturated; strong brown.		
					19.9	CLAY; soft; sparse sand; moist; strong brown.		
					22.1	CLAY; soft, wet; yellowish brown.		
					23.5	SILT; soft; saturated; gray.		
					▼	SAND; very fine; moderate sorting; saturated; dark gray.		
						CLAY; soft, moist; grayish brown.		
30						SILT; soft to stiff; moist; grayish brown to olive gray.		
					32.5			
					35.4	CLAY; some silt and sand; soft, moist; olive gray.		
					37.2			
40						SAND; very fine grained; well sorted with some silt; saturated; olive gray.		
						CLAY; medium stiff; dry; gray.		
					48.2			
50					49.7	SAND; very fine; moderate sorting; soft; saturated; gray.		
					50.0	CLAY; medium stiff; moist; gray.		

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

WELL NUMBER MW-10D

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION NW Corner of Site

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

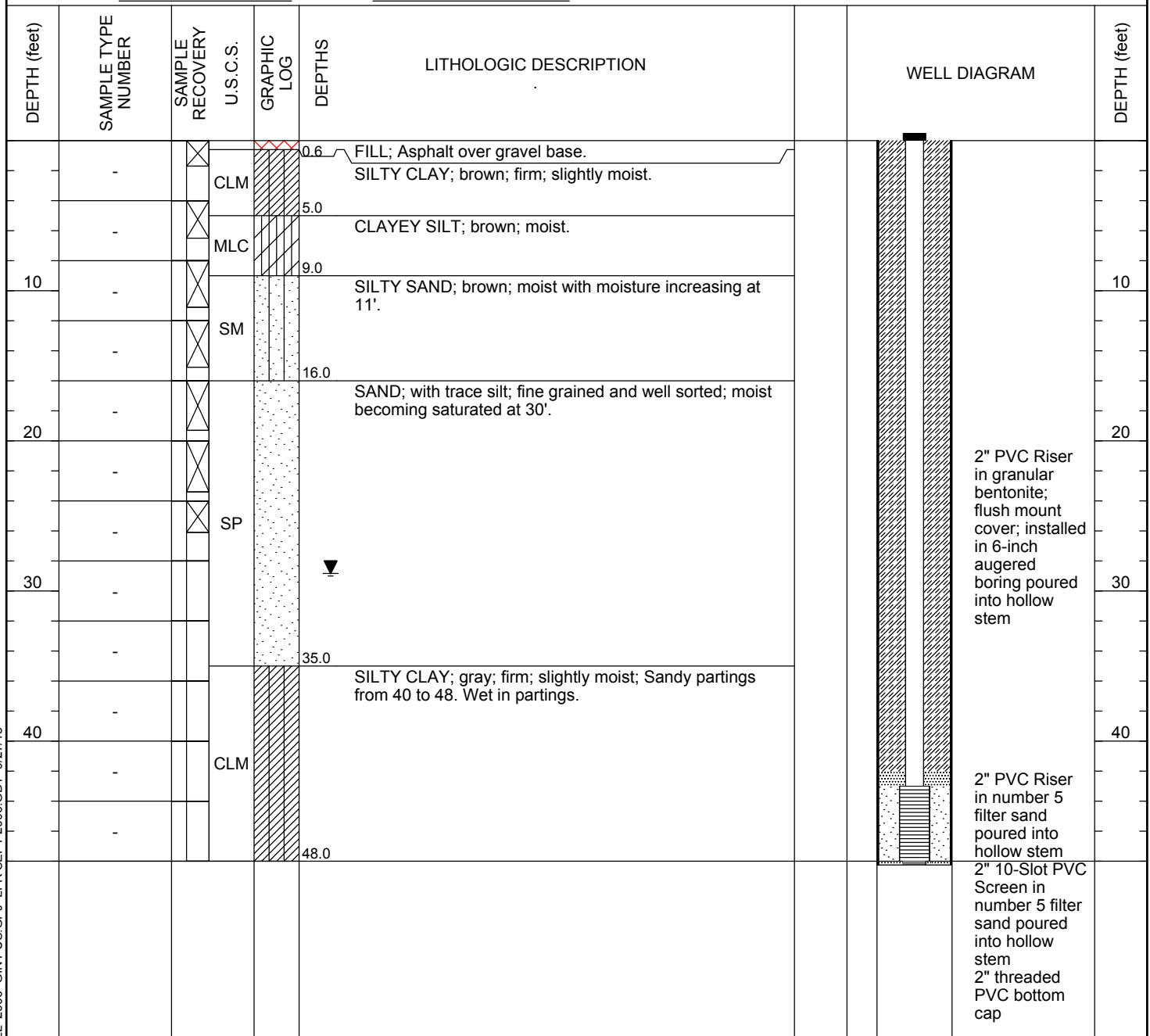
GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION 102.22 ft HOLE DEPTH 48.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 28.8 ft

LOGGED BY Daniel Petzold DATE 8/16/18



BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

WELL NUMBER MW-10S

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION NW Corner of Site

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION 102.47 ft HOLE DEPTH 48.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 29.1 ft

LOGGED BY Daniel Petzold DATE 8/16/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
					0.6	FILL; Asphalt over gravel base.	<p>2" PVC Riser in granular bentonite; flush mount cover; installed in 6-inch augered boring poured into hollow stem</p> <p>2" PVC Riser in number 5 filter sand poured into hollow stem 2" 10-Slot PVC Screen in number 5 filter sand poured into hollow stem 2" threaded PVC bottom cap</p>	
			CLM		5.0	SILTY CLAY; brown; firm; slightly moist.		
			MLC		9.0	CLAYEY SILT; brown; moist.		
10			SM		16.0	SILTY SAND; brown; moist with moisture increasing at 11'.		
					35.0	SAND; with trace silt; fine grained and well sorted; moist becoming saturated at 30'.		
20								
			SP					
30								
40			CLM		48.0	SILTY CLAY; gray; firm; slightly moist; Sandy partings from 40 to 48. Wet in partings.		

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION Alley east of 1531 12th St.

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION Not Surveyed BORE DEPTH 35.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 25.8 ft

LOGGED BY Daniel Petzold DATE 8/21/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
					0.8	FILL; gravel below pavement. SILTY CLAY; light gray; soft; moist.		
			CLM		6.3	SILTY CLAY; yellowish brown with orangish mottling; firm; dense; slightly moist.		10
			CLM		11.8	CLAYEY SAND; yellowish brown with gray mottling; moist; some lamination.		20
			SC-SM		16.5	SAND; fine grained and laminated at top, grading down to medium grained with some fine gravel; dry, becoming saturated by 25 feet.		30
			SP		▼			30
	AP-63				35.0		2" threaded PVC bottom cap	

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION Alley east of 1118 Payne St.

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION 91.84 ft HOLE DEPTH 40.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 29.3 ft

LOGGED BY Daniel Petzold DATE 8/21/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
0	-				CLAYEY SILT; yellowish brown grading down to pale yellowish brown; soft; moist.	Flush mount cover	0
10	-	MLC		10.0	SANDY CLAY; yellowish brown; soft; moist.		10
14.9	-	CLS		14.9			
16.0	-	SP		16.0	SAND; fine grained; laminated; yellowish brown; dry.	2" PVC Riser in granular bentonite; flush mount cover; installed in 6-inch augered boring poured into hollow stem	
17.0	-	CLS		17.0	SANDY CLAY to CLAYEY SAND; yellowish brown; moist.		
20	-				SAND; fine grained, well sorted and laminated; becoming coarser with depth; dry; yellowish brown. 12" clay layer at above 26-27'.		20
30	-	SP				2" PVC Riser in number 5 filter sand poured into hollow stem	30
38.7	AP-62			38.7		2" 10-Slot PVC Screen in number 5 filter sand poured into hollow stem	
40.0		LM		40.0	SILTY CLAY; gray; firm; moist.	2" threaded PVC bottom cap	40

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION Alley Behind 1417 12th St.

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____

GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION 100.69 ft HOLE DEPTH 36.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 32.6 ft

LOGGED BY Daniel Petzold DATE 8/21/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
			XXXX	1.0	FILL; gravel road base	<p>Flush mount cover</p> <p>2" PVC Riser in granular bentonite; flush mount cover; installed in 6-inch augered boring poured into hollow stem</p> <p>2" PVC Riser in number 5 filter sand poured into hollow stem</p> <p>2" 10-Slot PVC Screen in number 5 filter sand poured into hollow stem</p> <p>2" threaded PVC bottom cap</p>	
		CLM	/ / / /	7.0	SILTY CLAY; olive gray with some lighter mottling; moist. Staining but no odor.		
10				SAND; very fine grained and well sorted; yellowish brown; laminated; dry.		10
		SP				
20			20.0	SAND; medium grained, well sorted; yellowish brown; dry - wet at 34'		20
		SP				
30					30	
			33.8	▼ SILTY CLAY; gray; firm; moist.		
		CLM	/ / / /	36.0			

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



PROJECT NAME GE Tell City

CLIENT General Electric

PROJECT LOCATION 1412 13th Street, Tell City, Indiana

DRILLING CONTRACTOR SCS

PROJECT NUMBER IN000911

DRILLING METHOD 6" OD Hollow Stem Auger

LOCATION Alley Behind 1337 12th St.

STAMP (IF APPLICABLE) AND/OR NOTES

OVA EQUIPMENT _____


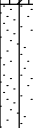


GROUND ELEVATION _____ HOLE DIAMETER 6"

TOP OF CASING ELEVATION 103.20 ft HOLE DEPTH 36.0 ft

FIRST ENCOUNTERED WATER ---

▼ STABILIZED WATER 31.2 ft

LOGGED BY Daniel Petzold DATE 8/22/18

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	WELL DIAGRAM	DEPTH (feet)
0.3	-	X	MLC		0.3	FILL; Cinder and gravel road base CLAYEY SILT; yellowish brown; soft; moist.	Flush mount cover	0.3
5.8	-	X	1SM		5.8	SILTY SAND; ver fine sand with silt; yellowish brown; well sorted; moist becoming wet 11.5-12'.	2" PVC Riser in granular bentonite; flush mount cover; installed in 6-inch augered boring poured into hollow stem	5.8
16.0	-	X	SP		16.0	SAND; very fine and well sorted at the top grading down to medium grained by 24'; some laminated zones. Dry then saturated at 34'	2" PVC Riser in number 5 filter sand poured into hollow stem	16.0
36.0	-	X			36.0	▼	2" 10-Slot PVC Screen in number 5 filter sand poured into hollow stem 2" threaded PVC bottom cap	36.0

BORING+WELL 2006 GINT US.GPJ LFR SEPT 2006.GDT 9/27/18

APPROVED BY: _____ DATE: _____



Soil Boring Log

Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1							0.0 to 2.5' BACKFILL; concrete and gravel		
2									
3							2.5 to 6.5' CLAY, medium plasticity; some silt; moist; medium stiff; yellowish brown (10YR 5/4)		
4									
5									
6									
7							6.5 to 11.5' SILT, non-plastic; some clay; dry; very stiff; brown (10YR 5/3)		
8								0.0' to 26.0' 1" PVC riser in bentonite pellets	
9									
10									
11									
12							11.5 to 13.0' CLAY, high plasticity; moist; very stiff; light olive brown (2.5Y 5/3)		
13							13.0 to 14.0' CLAY, high plasticity; moist; soft; gray (2.5Y 5/1)		
14							14.0 to 24.5' CLAY, high plasticity; moist; very stiff; grayish brown (10YR 5/2)		
15									
16									

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

Soil Boring Log

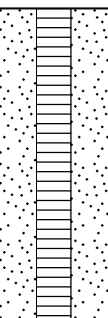
Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
17						[Diagonal Hatching]	14.0 to 24.5' CLAY, high plasticity; moist; very stiff; grayish brown (10YR 5/2)	0.0' to 26.0' 1" PVC riser in bentonite pellets	[Well Diagram]
18									
19									
20									
21						[Cross-hatching]	24.5 to 32.0' CLAY, medium plasticity; some silt; moist; soft; grayish brown (10YR 5/2)	26.0' to 27.0' 1" PVC riser in #5 filter sand	[Well Diagram]
22									
23									
24									
25									
26									
27						[Cross-hatching]	32.0 to 36.0' CLAY, medium plasticity; some silt; moist; very stiff; olive (5Y 4/3)	27.0' to 38.0' 1" PVC #10-slot screen in #5 filter sand	[Well Diagram]
28									
29									
30									
31									
32									
33									
34									

Remarks: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
35							32.0 to 36.0' CLAY, medium plasticity; some silt; moist; very stiff; olive (5Y 4/3)	27.0' to 38.0' 1" PVC #10-slot screen in #5 filter sand	
36						36.0 to 37.0' CLAY, medium plasticity; some silt; wet; soft; gray (5Y 5/1)			
37						37.0 to 38.0' CLAY, medium plasticity; some silt; moist; medium stiff; gray (5Y 5/1)			
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									

Remarks: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-1-1		[Diagonal Hatching]	0.0 to 12.0' CLAY, medium plasticity; some silt; dry; soft; strong brown (7.5YR 5/8)	Backfilled with bentonite chips	[Grey Shading]
2									
3									
4				SAP-1-4					
5									
6									
7									
8				SAP-1-8					
9									
10									
11									
12				SAP-1-12					
13						[Diagonal Hatching]	15.0 to 16.0' SILT, non-plastic; dry; soft; reddish yellow (7.5YR 6/6)		
14						[Diagonal Hatching]			
15						[Diagonal Hatching]			
16				SAP-1-16		[Diagonal Hatching]			

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\CSTEWART\DESKTOP\TOPAGE TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-2-1		0.0 to 10.0' CLAY, medium plasticity; dry; medium stiff; strong brown (7.5YR 4/6)	Backfilled with bentonite chips		
2									
3									
4				SAP-2-4					
5									
6									
7									
8				SAP-2-8					
9									
10									
11									
12				SAP-2-12					
13									
14									
15									
16				SAP-2-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-3-1		[Hatched Pattern]	0.0 to 6.0' CLAY; medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)	Backfilled with bentonite chips	
2									
3									
4				SAP-3-4					
5									
6							6.0 to 7.0' CLAY; medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1)		
7							7.0 to 10.0' CLAY; medium plasticity; some silt; dry; medium stiff; brown (7.5YR 4/4)		
8				SAP-3-8					
9									
10							10.0 to 16.0' CLAY; medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)		
11							NOTE: Becoming moist with depth		
12				SAP-3-12					
13									
14									
15									
16				SAP-3-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-4-1		CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)	0.0 to 7.0'		
2									
3									
4				SAP-4-4		CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/2)	7.0 to 9.0'	Backfilled with bentonite chips	
5									
6									
7						CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)	9.0 to 16.0'		
8				SAP-4-8					
9									
10									
11									
12				SAP-4-12					
13									
14									
15									
16				SAP-4-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY\BORING LOGS\GE TELLCITY\BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-5-1		[Diagonal Hatching]	0.0 to 11.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)	Backfilled with bentonite chips	[Shaded Area]
2									
3									
4				SAP-5-4					
5									
6									
7									
8				SAP-5-8					
9									
10									
11						[Dotted Pattern]	11.0 to 14.5' SILT, non-plastic; some sand; dry; medium stiff; dark gray (7.5YR 4/1)		
12				SAP-8-12					
13									
14						[Diagonal Hatching]	14.5 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)		
15									
16				SAP-8-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-6-1		0.0 to 15.5' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 4/6) NOTE: Becoming moist with depth; 0.5' sand at 14-15.5'			
2									
3									
4				SAP-6-4					
5									
6									
7									
8				SAP-6-8					
9									
10									
11									
12				SAP-6-12					
13									
14									
15									
16				SAP-6-16			15.5 to 16.0' SILT, non-plastic; some sand; dry; medium stiff; dark gray (7.5YR 4/1)		

Backfilled with bentonite chips

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/09/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/09/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-7-1		[Diagonal Hatching]	0.0 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 4/6)	Backfilled with bentonite chips	[Grey Shading]
2									
3									
4				SAP-7-4					
5									
6									
7									
8				SAP-7-8					
9									
10				SAP-7-10					
11						[Diagonal Hatching]	11.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 4/6)		
12				SAP-7-12		[Diagonal Hatching]			
13						[Diagonal Hatching]			
14						[Diagonal Hatching]			
15						[Diagonal Hatching]			
16				SAP-7-16		[Diagonal Hatching]			

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City
 Project Number: ALL00911.0017.1000B
 Project Location: Tell City, IN

Date Started: 08/09/2018 Date Completed: 08/09/2018
 Logger: Keith Antell Editor: Cameron Stewart
 Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-8-1			0.0 to 8.5' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6) NOTE: Gray (7.5 5/1) mottling at 7.5'	Backfilled with bentonite chips	
2									
3									
4				SAP-8-4					
5									
6									
7									
8				SAP-8-8					
9							8.5 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; gray (7.5YR 4/1)		
10							10.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)		
11									
12				SAP-8-12					
13									
14									
15									
16				SAP-8-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/10/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/10/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-9-1		[Hatched Pattern]	0.0 to 7.5' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)			
2										
3										
4				SAP-9-4						
5										
6										
7										
8				SAP-9-8			7.5 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; gray (7.5YR 4/1)			Backfilled with bentonite chips
9										
10										
11										
12				SAP-9-12						
13										
14										
15										
16				SAP-9-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-10-1		[Hatched Pattern]	0.0 to 6.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)			
2										
3										
4				SAP-10-4						
5										
6										
7								6.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1) NOTE: Soft silt at 16.0'		
8				SAP-10-8						Backfilled with bentonite chips
9										
10										
11										
12				SAP-10-12						
13										
14										
15										
16				SAP-10-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-11-1		[Hatched Pattern]	0.0 to 7.0' CLAY, medium plasticity; and silt, non-plastic; dry; medium stiff; strong brown (7.5YR 1/8)		
2									
3									
4				SAP-11-4					
5						[Hatched Pattern]	7.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1)	Backfilled with bentonite chips	
6									
7									
8				SAP-11-8					
9									
10									
11									
12				SAP-11-12					
13						[Hatched Pattern]			
14									
15									
16				SAP-11-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/10/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/10/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
0							0.0 to 0.5' BACKFILL; concrete and gravel		
1				SAP-12-1			0.5 to 2.0' CLAY, medium plasticity; some silt; moist; soft; gray (7.5YR 5/1)		
2				SAP-12-2			2.0 to 2.5' SAND; and silt, non-plastic; gray (7.5YR 5/1)		
3							NOTE: strong organic odor 2.5 to 4.0' CLAY, medium plasticity; some silt; moist; soft; gray (7.5YR 5/1)		
4				SAP-12-4			NOTE: slight odor		
5							4.0 to 6.0' SAND, medium to coarse; brown (7.5YR 5/3)		
6							NOTE: slight odor; upper 6' is a backfill zone next to a storm drain		
7							6.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1)		
8				SAP-12-8				Backfilled with bentonite chips	
9									
10									
11									
12				SAP-12-12					
13									
14									
15									
16				SAP-12-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

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Project Name: GE Tell City Date Started: 08/13/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/13/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-13-1		0.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)		Backfilled with bentonite chips	
2									
3									
4				SAP-13-4					
5									
6									
7									
8				SAP-13-8					
9							8.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/2)		
10							NOTE: Wet silt seam at 10.0' +/- 0.25'		
11									
12				SAP-13-12					
13									
14									
15									
16				SAP-13-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

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Project Name: GE Tell City Date Started: 08/13/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/13/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-14-1			BACKFILL; concrete		
2							2.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)		
3									
4				SAP-14-4					
5									
6									
7									
8				SAP-14-8			8.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; gray (7.5YR 5/1)	Backfilled with bentonite chips	
9									
10									
11									
12				SAP-14-12					
13									
14									
15									
16				SAP-14-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/13/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/13/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-15-1		[Hatched Pattern]	0.0 to 12.0' CLAY, medium plasticity; some silt; dry; medium stiff; reddish yellow (7.5YR 6/6) NOTE: Dark black staining with strong organic odor and mottled at 3.0'	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-15-4					
5									
6									
7									
8				SAP-15-8					
9									
10									
11									
12				SAP-15-12					
13						12.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1)			
14									
15									
16				SAP-15-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/13/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/13/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-16-1		0.0 to 12.0' CLAY, medium plasticity; some silt; dry; medium stiff; reddish yellow (7.5YR 6/6) NOTE: Moist in various spots			
2									
3									
4				SAP-16-4					
5									
6									
7									
8				SAP-16-8					
9									
10									
11									
12				SAP-16-12			12.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 4/1)		Backfilled with bentonite chips
13									
14									
15									
16				SAP-16-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Josh Holmaugh Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-17-1			0.0 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)		
2									
3									
4				SAP-17-4					
5									
6									
7									
8				SAP-17-8					
9									
10									
11									
12				SAP-17-12					
13									
14									
15									
16				SAP-17-16					
							10.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; gray (7.5YR 4/1)	Backfilled with bentonite chips	

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-18-1		0.0 to 3.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)	Backfilled with bentonite chips		
2									
3									
4				SAP-18-4					3.0 to 16.0' CLAY, medium plasticity, some silt; moist; medium stiff; gray (7.5YR 4/1)
5									
6									
7									
8				SAP-18-8					
9									
10									
11									
12				SAP-18-12					
13									
14									
15									
16				SAP-18-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-19-1			0.0 to 3.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/6)		
2									
3									
4				SAP-19-4			3.0 to 16.0' SAND; some silt; gray (7.5YR 4/1) NOTE: Black staining and strong organic odor		
5									
6									
7									
8				SAP-19-8				Backfilled with bentonite chips	
9									
10									
11									
12				SAP-19-12					
13									
14									
15									
16				SAP-19-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TELL CITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/17/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-20-1			0.0 to 4.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)	Backfilled with bentonite chips	
2									
3									
4				SAP-20-4			4.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; gray (7.5YR 4/1)		
5									
6									
7									
8				SAP-20-8					
9									
10									
11									
12				SAP-20-12					
13									
14									
15									
16				SAP-20-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY\BORING LOGS\GE TELLCITY\BORING LOGS.GPJ ARCADIS 2013.GDT 10/17/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-21-1		[Hatched Pattern]	0.0 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)		
2									
3									
4				SAP-21-4					
5									
6									
7									
8				SAP-21-8					
9									
10									
11									
12				SAP-21-12					
13									
14									
15									
16				SAP-21-16					
							10.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark gray (7.5YR 5/1)	Backfilled with bentonite chips	

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/14/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/14/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-22-1		[Hatched Pattern]	0.0 to 2.0' CLAY, medium plasticity; some silt; medium stiff; dry; strong brown (7.5YR 5/6) NOTE: Dark brown (7.5YR 3/2) stained coarse grained backfill with cinders; strong odor	Backfilled with bentonite chips	[Shaded Area]
2							2.0 to 11.5' CLAY, medium plasticity; some silt; medium stiff; dry; strong brown (7.5YR 5/6)		
3									
4				SAP-22-4					
5									
6									
7									
8				SAP-22-8					
9									
10									
11									
12				SAP-22-12			11.5 to 16.0' CLAY, medium plasticity; some silt; medium stiff; dry; gray (7.5YR 5/1) NOTE: Some bands of moistness		
13									
14									
15									
16				SAP-22-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/15/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/15/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-23-1		[Hatched Pattern]	0.0 to 12.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-23-4					
5									
6									
7									
8				SAP-23-8					
9									
10									
11									
12				SAP-23-12					
13						NOTE: Strong odor at 12.0' and weakens with depth			
14									
15									
16				SAP-23-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/15/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/15/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-24-1			0.0 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/8)		
2									
3									
4				SAP-24-4					
5									
6									
7									
8				SAP-24-8					
9									
10									
11									
12				SAP-24-12					
13									
14									
15									
16				SAP-24-16					

Backfilled with bentonite chips

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/15/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/15/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-25-1		[Hatched Pattern]	0.0 to 11.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/2)	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-25-4					
5									
6									
7									
8				SAP-25-8					
9									
10									
11									
12				SAP-25-12		[Hatched Pattern]	11.0 to 16.0' CLAY, medium plasticity; some silt; dry; soft to medium stiff; dark gray (7.5YR 4/1)		
13									
14									
15									
16				SAP-25-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/15/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/15/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-26-1		[Hatched Pattern]	0.0 to 6.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 5/6)		
2									
3									
4				SAP-26-4					
5									
6									
7							6.0 to 16.0' CLAY, medium plasticity; some silt; moist; soft; gray (7.5YR 4/1)		
8				SAP-26-8					
9									
10									
11									
12				SAP-26-12					
13									
14									
15									
16				SAP-26-16					

Backfilled with bentonite chips

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/16/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/16/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-27-1		[Hatched Pattern]	0.0 to 10.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 4/6)	Backfilled with bentonite chips	[Shaded Area]
2									
3									
4				SAP-27-4					
5									
6									
7									
8				SAP-27-8					
9									
10									
11						[Hatched Pattern]	10.0 to 16.0' CLAY, medium plasticity; some silt; moist; medium stiff; dark gray (7.5YR 4/1)		
12				SAP-27-12					
13									
14									
15									
16				SAP-27-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/16/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/16/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-28-1		[Diagonal Hatching]	0.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; strong brown (7.5YR 4/6) NOTE: Heavily stained seam with black cinders at 8.0'	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-28-4					
5									
6									
7									
8				SAP-28-8		[Diagonal Hatching]	8.0 to 12.0' CLAY, medium plasticity; and cinders; some silt; dry; medium stiff; strong brown (7.5YR 4/6)		
9									
10									
11									
12				SAP-28-12		[Diagonal Hatching]	12.0 to 16.0 CLAY, medium plasticity; some silt; moist; soft; strong brown (7.5YR 4/6)		
13									
14									
15									
16				SAP-28-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/16/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/16/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-29-1		[Diagonal Hatching]	0.0 to 7.5' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 4/4)	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-29-4					
5									
6									
7									
8				SAP-29-8		[Vertical Lines]	7.5 to 14.0' SILT, non-plastic; some clay; moist to wet; not stiff; brown (7.5YR 4/4)		
9									
10									
11									
12				SAP-29-12					
13									
14									
15						[Dotted Pattern]	14.0 to 16.0' SAND, medium grained; dry; loose; brown (7.5YR 4/4)		
16				SAP-29-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY\BORING LOGS\GPI ARCADIS_2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/16/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/16/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-30-1		[Diagonal Hatching]	0.0 to 7.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 4/4)	Backfilled with bentonite chips	[Grey Shading]
2									
3									
4				SAP-30-4					
5									
6									
7						7.0 to 8.0' SILT, non-plastic; some clay; moist; soft; dark gray (7.5YR 4/1)			
8				SAP-30-8			NOTE: Strong odor at 8'		
9						[Diagonal Hatching]	8.0 to 11.0' CLAY, medium plasticity; some silt; moist; medium stiff; strong brown (7.5YR 4/6)		
10									
11						[Vertical Lines]	11.0 to 16.0' SILT, non-plastic; some clay; moist; not stiff; dark gray (7.5YR 4/1)		
12				SAP-30-12					
13									
14									
15									
16				SAP-30-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/16/2018 Logger: Keith Antell
 Project Number: ALL00911.0017.1000B Date Completed: 08/16/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-31-1		[Diagonal Hatching]	0.0 to 10.5' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)		
2									
3									
4				SAP-31-4					
5									
6									
7									
8				SAP-31-8					
9									
10									
11						[Vertical Lines]	10.5 to 15.0' SILT, non-plastic; some clay; wet; not stiff; gray (7.5YR 4/1) NOTE: Strong odor at 8'		
12				SAP-31-12					
13									
14									
15									
16				SAP-31-16					
						[Dotted Pattern]	15.0 to 16.0' SAND, medium grained; some gavel, small pebbles; some silt; brown (7.5YR 5/4) NOTE: Some black staining with odor		

Backfilled with bentonite chips

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/17/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/17/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-32-1		CLAY	0.0 to 7.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/2)		
2									
3									
4				SAP-32-4					
5									
6									
7									
8				SAP-32-8		CLAY	7.0 to 10.8' CLAY, medium plasticity; some silt; moist; medium stiff; gray (7.5YR 5/1)	Backfilled with bentonite chips	
9									
10									
11				SAP-32-11		SILT	10.8 to 16.0' SILT, non-plastic; some clay; moist; medium stiff; gray (7.5YR 5/1) NOTE: Black stain and odor at 11.0 to 11.5'		
12				SAP-32-12					
13									
14									
15									
16				SAP-32-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/17/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/17/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-33-1		[Hatched Pattern]	0.0 to 8.5' CLAY, medium plasticity; some silt; moist; medium stiff; strong brown (7.5YR 5/6)	Backfilled with bentonite chips	[Grey Shaded Area]
2									
3									
4				SAP-33-4					
5									
6									
7									
8				SAP-33-8					
9						8.5 to 9.5' CLAY, medium plasticity; some silt; moist; medium stiff; gray (7.5YR 5/1)			
10						9.5 to 16.0' SILT, non-plastic; some clay; moist; medium stiff; gray (7.5YR 5/1)			
11									
12				SAP-33-12					
13									
14									
15									
16				SAP-33-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/17/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/17/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-34-1			0.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)			
2										
3										
4				SAP-34-4						
5										
6										
7										
8				SAP-34-8				8.0 to 16.0' CLAY, medium plasticity; some silt; dry to moist; medium stiff; brown (7.5YR 5/2)		Backfilled with bentonite chips
9										
10										
11										
12				SAP-34-12						
13										
14										
15										
16				SAP-34-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/17/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/17/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-36-1		[Hatched Pattern]	0.0 to 7.8' CLAY, medium plasticity; some silt; dry to moist; medium stiff; brown (7.5YR 5/2)			
2										
3										
4				SAP-36-4						
5										
6										
7										
8				SAP-36-8			7.8 to 16.0' CLAY, medium plasticity; some silt; dry to moist; medium stiff; brown (7.5YR 5/4)			Backfilled with bentonite chips
9										
10										
11										
12				SAP-36-12						
13										
14										
15										
16				SAP-36-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Philip Weaver Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

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Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-37-1		[Hatched Pattern]	0.0 to 8.7' CLAY, medium plasticity; some silt; moist; not stiff; yellowish brown (10YR 5/4)		
2									
3									
4				SAP-37-4					
5									
6									
7									
8				SAP-37-8					
9						[Hatched Pattern]	8.7 to 13.8' CLAY, medium plasticity; some silt; moist; not stiff; gray (10YR 5/1)	Backfilled with bentonite chips	
10									
11									
12				SAP-37-12					
13						[Vertical Lines]	13.8 to 16.0' SILT, non-plastic; some clay; dry; very stiff; grayish brown (10YR 5/2)		
14									
15									
16				SAP-37-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-38-1		[Hatched Pattern]	0.0 to 2.0' CLAY, medium plasticity; some silt; dry; medium stiff; dark grayish brown (10YR 4/2) NOTE: Stain and odor at 0.0 to 1.0'	Backfilled with bentonite chips	[Well Diagram]
2							2.0 to 11.5' CLAY, medium plasticity; some silt; moist; not stiff; yellowish brown (10YR 5/4)		
3									
4				SAP-38-4					
5									
6									
7									
8				SAP-38-8					
9									
10									
11									
12				SAP-38-12		[Dotted Pattern]	11.5 to 14.0' SAND, medium grained, well sorted; dry; loose; yellowish brown (10YR 5/4)		
13									
14									
15						[Cross-hatched Pattern]	14.0 to 16.0' SAND, fine to medium grained, moderately sorted; some clay to silt; wet; loose; brown (10YR 5/3)		
16				SAP-38-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-39-1			0.0 to 2.0' CLAY, medium plasticity; some silt; dry; firm; grayish brown (10YR 4/2)		
2									
3							2.0 to 12.0' CLAY, medium plasticity; some silt; dry to moist; not stiff to medium stiff; brown (7.5YR 5/4)		
4				SAP-39-4					
5									
6									
7									
8				SAP-39-8				Backfilled with bentonite chips	
9									
10									
11									
12				SAP-39-12			12.0 to 12.9' SAND, medium grained, well sorted; moist; loose; strong brown (7.5YR 5/6)		
13							12.9 to 13.8' CLAY, medium plasticity; some silt; moist; medium stiff; brown (7.5YR 5/4)		
14							13.8 to 16.0' CLAY, medium plasticity; some silt; moist; medium stiff; gray (7.5YR 5/1)		
15									
16				SAP-39-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-40-1		[Hatched Pattern]	0.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)			
2										
3										
4				SAP-40-4						
5										
6										
7										
8				SAP-40-8			8.0 to 16.0' CLAY, medium plasticity; some silt; moist; medium stiff; brown (7.5YR 5/2)			Backfilled with bentonite chips
9										
10										
11										
12				SAP-40-12						
13										
14										
15										
16				SAP-40-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-41-1		0.0 to 9.5' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)	Backfilled with bentonite chips		
2									
3									
4				SAP-41-4					
5									
6									
7									
8				SAP-41-8					
9									
10									
11									
12				SAP-41-12					
13									
14									
15									
16				SAP-41-16					
							9.5 to 16.0' CLAY, medium plasticity; some silt; dry to moist; not stiff; gray (7.5YR 5/1)		

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-42-1			0.0 to 6.5' SILT, non-plastic; some clay; dry; medium stiff; strong brown (7.5YR 5/6)	Backfilled with bentonite chips	[Well Diagram]
2									
3									
4				SAP-42-4					
5							6.5 to 8.0' SAND; and clay to silt; dry; loose; strong brown (10YR 5/6)		
6									
7									
8				SAP-42-8			8.0 to 13.5' CLAY, medium plasticity; some silt; moist; not stiff; brown (7.5YR 5/4)		
9									
10							13.5 to 16.0' CLAY, medium plasticity; some silt; moist; not stiff; gray (7.5YR 5/1)		
11									
12				SAP-42-12					
13									
14							13.5 to 16.0' CLAY, medium plasticity; some silt; moist; not stiff; gray (7.5YR 5/1)		
15									
16				SAP-42-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/17/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-43-1			0.0 to 12.5' SILT, non-plastic; some clay; dry; not stiff; strong brown (7.5YR 5/6)	Backfilled with bentonite chips	
2									
3									
4				SAP-43-4					
5									
6									
7									
8				SAP-43-8					
9									
10									
11									
12				SAP-43-12					
13							12.5 to 16.0' CLAY, medium plasticity; some silt; moist; not stiff; brown (7.5YR 5/4)		
14									
15									
16				SAP-43-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor.: _____
 East Coor.: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TELL CITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-44-1		[Hatched Pattern]	0.0 to 6.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)		
2									
3									
4				SAP-44-4					
5									
6									
7							6.0 to 16.0' CLAY, medium plasticity; some silt; dry to moist; medium stiff; brown (7.5YR 5/2)		
8				SAP-44-8					
9									
10									
11									
12				SAP-44-12					
13									
14									
15									
16				SAP-44-16					

Backfilled with bentonite chips

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

Soil Boring Log

Project Name: GE Tell City Date Started: 08/22/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/22/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well	
1				SAP-45-1			0.0 to 8.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (7.5YR 5/4)	Backfilled with bentonite chips		
2										
3										
4				SAP-45-4						
5										
6										
7										
8				SAP-45-8						8.0 to 16.0' CLAY, medium plasticity; some silt; dry to moist; medium stiff; brown (7.5YR 5/2)
9										
10										
11										
12				SAP-45-12						
13										
14										
15										
16				SAP-45-16						

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-46-1		[Hatched Pattern]	0.0 to 6.8' CLAY, medium plasticity; some silt; moist; not stiff; yellowish brown (10YR 5/6)	Backfilled with bentonite chips	[Grey Area]
2									
3									
4				SAP-46-4					
5									
6									
7							6.8 to 11.0' CLAY, medium plasticity; some silt; dry; medium stiff; brown (10YR 5/3)		
8				SAP-46-8					
9									
10									
11							11.0 to 16.0' CLAY, medium plasticity; some silt; moist; medium stiff; dark grayish brown (10YR 4/2)		
12				SAP-46-12					
13									
14									
15									
16				SAP-46-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coord.: _____
 East Coord.: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\TOP\GE TELLCITY\BORING LOGS\GE TELLCITY\BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well			
1				SAP-47-1			0.0 to 10.0' CLAY, medium stiff; some silt; moist; not stiff; yellowish brown (10YR 5/6)	Backfilled with bentonite chips				
2												
3												
4				SAP-47-4								
5												
6												
7												
8				SAP-47-8								
9												
10												
11										10.0 to 12.0' CLAY, medium stiff; some silt; dry; medium stiff; brown (10YR 5/3)		
12				SAP-47-12								
13												
14												
15												
16				SAP-47-16						12.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; grayish brown (10YR 5/2)		

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG - 2013 C:\USERS\STEWART\DESKTOP\GE TELLCITY BORING LOGS\GE TELLCITY BORING LOGS.GPJ ARCADIS 2013.GDT 10/1/18

Soil Boring Log

Project Name: GE Tell City Date Started: 08/23/2018 Logger: Cameron Stewart
 Project Number: ALL00911.0017.1000B Date Completed: 08/23/2018 Editor: Cameron Stewart
 Project Location: Tell City, IN Weather Conditions: _____

Depth (feet)	Sample Interval	Blow Counts	Recovery (in.)	Sample ID	PID (ppm)	USCS Class	Description	Construction Details	Well
1				SAP-48-1		CLAY (diagonal hatching)	0.0 to 8.5' CLAY, medium plasticity; some silt; moist; not stiff; yellowish brown (10YR 5/6)	Backfilled with bentonite chips	Well
2									
3									
4				SAP-48-4					
5									
6									
7									
8				SAP-48-8					
9						CLAY (diagonal hatching)	8.5 to 10.8' CLAY, medium plasticity; some silt; wet; not stiff; yellowish brown (10YR 5/6)		
10									
11						SAND (stippled)	10.8 to 12.0' SAND, medium grained, well sorted; some clay to silt; moist; loose; yellowish brown (10YR 5/6)		
12				SAP-48-12					
13						CLAY (diagonal hatching)	12.0 to 16.0' CLAY, medium plasticity; some silt; dry; medium stiff; grayish brown (10YR 5/2)		
14									
15									
16				SAP-48-16					

Drilling Co.: SCS Environmental Sampling Method: Dual Tube
 Driller: Troy Johnson Sampling Interval: Continuous
 Drilling Method: Geoprobe 7822 Direct Push Water Level Start (ft. bgs.): _____
 Drilling Fluid: None Water Level Finish (ft. btoc.): _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev.: _____
 North Coor: _____
 East Coor: _____

APPENDIX B

HPT Report



High Resolution Site Characterization Report – HPT Investigation

Client: Arcadis

Project Name: GE Tell City, IN

Location: Tell City, IN

Prepared by:

Dakota Technologies Company, LLC

5001 Boone Avenue N.

New Hope, Minnesota 55428

763.424.4803

August 13, 2018

Project Number: 0254.18



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National and International Services

■ High Resolution Site Characterization Specialists ■

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2.0	ELECTRICAL CONDUCTIVITY (EC) DESCRIPTION.....	3
3.0	DISCUSSION AND COMMENTS.....	4
4.0	LIMITATIONS.....	5
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APPENDICES

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Appendix B	HPT Logs
Appendix C	HPT Reference Log

1.0 HYDRAULIC PROFILING TOOL (HPT) SYSTEM DESCRIPTION

The Hydraulic Profiling Tool (HPT) is a logging tool that measures the pressure required to inject a flow of water into the soil as the probe is advanced into the subsurface. The injection pressure log is an excellent indicator of formation permeability. In addition to measurement of injection pressure, the HPT can also be used to measure hydrostatic pressure under the zero-flow condition. This allows the development of a hydrostatic pressure graph for the log and prediction of the position of the water table.

The probe is advanced into the ground at a rate of approximately 2 cm/sec. The pump in the HPT flow module draws water from the supply tank and pumps water down the trunk line at a constant flow rate (250-mL/min). An inline flow meter measures the flow rate. The downhole pressure sensor monitors the pressure generated by injecting water into the formation matrix. The HPT probe also includes a Wenner type array for measurement of soil electrical conductivity (EC) as the probe is advanced to depth. The HPT log provides graphs of the electrical conductance, HPT pressure and flow rate versus depth.

Prior to running an HPT log, quality assurance (QA) tests are run on the Wenner array and pressure sensor. The results of the QA tests are saved in an information file for later review and reporting. The Wenner array electrodes are placed on a test jig and the test load is used to verify the electrical continuity and isolation of the EC system. Next, a reference test is performed on the pressure sensor. This is accomplished by submerging the HPT probe a specified depth below the water level in a reference tube. A two-step test enables the operator to verify that the pressure sensor is providing the correct measurement for a defined length of water column. If the result is more than +/-10% out of range, the transducer fails the QA test. At completion of the field boring, another QA test is performed to verify proper probe performance during the logging event.

The HPT pressure log reveals observed pressure depending on the characteristics of the soil or sediment penetrated. It is apparent that higher pressure resulting from the injection of water into a sediment at a given flow rate indicates lower permeability and conversely, that lower pressure from injection of water at a given flow rate indicates higher permeability. This simple relationship allows you to evaluate changes in relative permeability of soils and sediments in an HPT log by reviewing the pressure versus depth log. High EC readings in general correlate with high pressure readings and conversely low EC readings usually correlate with low pressure readings. However, pressure plots frequently reveal hydraulic behavior of the soil not observed by the EC, and the EC may display responses associated with mineralogy and chemical conductance not observed by the pressure plot. Another important feature of the HPT pressure log is the increase in hydrostatic pressure as the probe is advanced below the water table. The increase in hydrostatic pressure results in a “rising baseline” on the pressure log. To obtain a quantitative determination of the local static water level a pressure dissipation test must be performed during the

logging operation. To perform the dissipation test, the advancement of the probe is stopped, and the operator starts a time log. Water flow is turned off to observe and record the dissipation of the HPT pressure versus time, until pressure stabilizes. The stabilized pressure is the absolute hydrostatic pressure at the depth of the test. Knowing the depth of the test, the absolute hydrostatic pressure and the atmospheric pressure the static water level may be calculated. Multiple dissipation tests may be performed at different depths during a single log to evaluate variations in piezometric head with depth and local vertical gradients in the aquifer.

Dissipation test data can be used in conjunction with the pressure and flow logs to estimate hydraulic conductivity (K) for the entire log after logging is completed. From Darcy's Law, K is proportional to the flow rate (Q) divided by the pressure (P) required to induce that flow rate in the given sediment or soil. The raw HPT pressure provided by the HPT log is the total pressure observed at the depth where the water is injected. This total pressure includes the ambient atmospheric pressure at the time of the log, the local hydrostatic pressure and the pressure required to inject the fluid into the formation:

$$P (\text{total}) = P (\text{atm}) + P (\text{hydro}) + P (\text{inj})$$

As discussed above, the atmospheric pressure is determined from the pre and post log response tests and the hydrostatic pressure is defined by one or more dissipation tests obtained as the log is produced. The actual injection pressure [$P_{inj} = P_{total} - (P_{hydro} + P_{atm})$] that was required to inject the water into the formation is calculated for each depth increment of the log. The actual injection pressure (P_{inj}) and the measured flow rate (Q) are then used to model an estimated K value for each depth increment of the HPT log (Geoprobe 2010b).

2.0 ELECTRICAL CONDUCTIVITY (EC) DESCRIPTION

Electrical Conductivity (EC) is a measure of the soil's ability to conduct an electrical current using the Wenner array of the HPT/EC probe. Conductivity is the reciprocal of electrical resistivity and has the units (in our application) of millisiemens per meter (mS/m). Since soil is in the pathway of the charge flow, the grain size can be determined by comparing the EC log to a soil boring. Conductivity readings in the 100s indicate smaller grain (such as clay). Larger grain size (sand and gravels) are typically in the 10s of mS/m range. Prior to every log, the Wenner array of the HPT probe is checked for proper operation by performing a conductivity test with a Wenner array test jig. The probe is put through a check of isolation and continuity.

3.0 DISCUSSION AND COMMENTS

Dakota Technologies pushed a total of 8 HPT borings to depths ranging between 72.95-96.2 feet below ground surface. Borings AP-78B, AP-81B, AP-86, and AP-82 were pushed to refusal. The remaining borings were stopped per client instruction.

Dissipation tests were attempted at each location for the purpose of calculating static water levels and hydraulic conductivity (estimated K) plots. The calculated estimated K values assume dissipation tests reached equilibrium.

The transducer passed all QA testing for each log. The HPT system utilizes a transducer that produces pressure readings between 0 and 110 psi. The pressure data graph is set at 115 psi to capture all HPT readings, with a flat line at 110 psi resulting when the transducer maximum is reached (representing soil of small grain size, such as clay).

Electrical conductivity (EC) data was collected simultaneously at each HPT location. The EC was tested before and after each HPT log was performed and passed all QA checks in the normal manner.

4.0 LIMITATIONS

The HPT tool is limited to a working depth (max) of 120 feet below ground water and the pressure transducer operating range is 0-101 psi. Coarse (sandy), saturated soils are required for dissipation tests to be performed. Successful (fully stabilized) dissipations are required for water table and hydraulic conductivity (Est. K) calculations. The lower K boundary for Geoprobe's empirical calculation model is about 0.1 ft./day and the upper boundary is near 75 ft./day.

The analysis and opinions expressed in this report are based upon data obtained from the specific test locations and from other information discussed in this report. Exceptions, if any, are discussed in the accompanying comments section of this report. This report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted practices. Reported results shall not be reproduced, except in full, without written approval of Dakota. No warranties, expressed or implied are intended or made.

5.0 REFERENCES

Geoprobe 2006a. Hydrostratigraphic Characterization Using the Hydraulic Profiling Tool (HPT), Tech Bul. No. MK3099, Kejr Inc., Salina, KS; April 2006.

Geoprobe, 2007. Geoprobe Hydraulic Profiling Tool (HPT) System, Standard Operating System Procedure, Tech. Bul. No. MK3137, Kejr Inc., Salina, KS; March 2007.

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McCall, Wesley and Thomas Christy, 2010. Development of a Hydraulic Conductivity Estimate for the Hydraulic Profiling Tool (HPT): Abstract and Presentation; The 2010 North American Environmental Field Conference & Exposition, The Nielsen Environmental Field School, Las Cruces, NM; January 2010.

Appendix A

HPT Field Summary Log

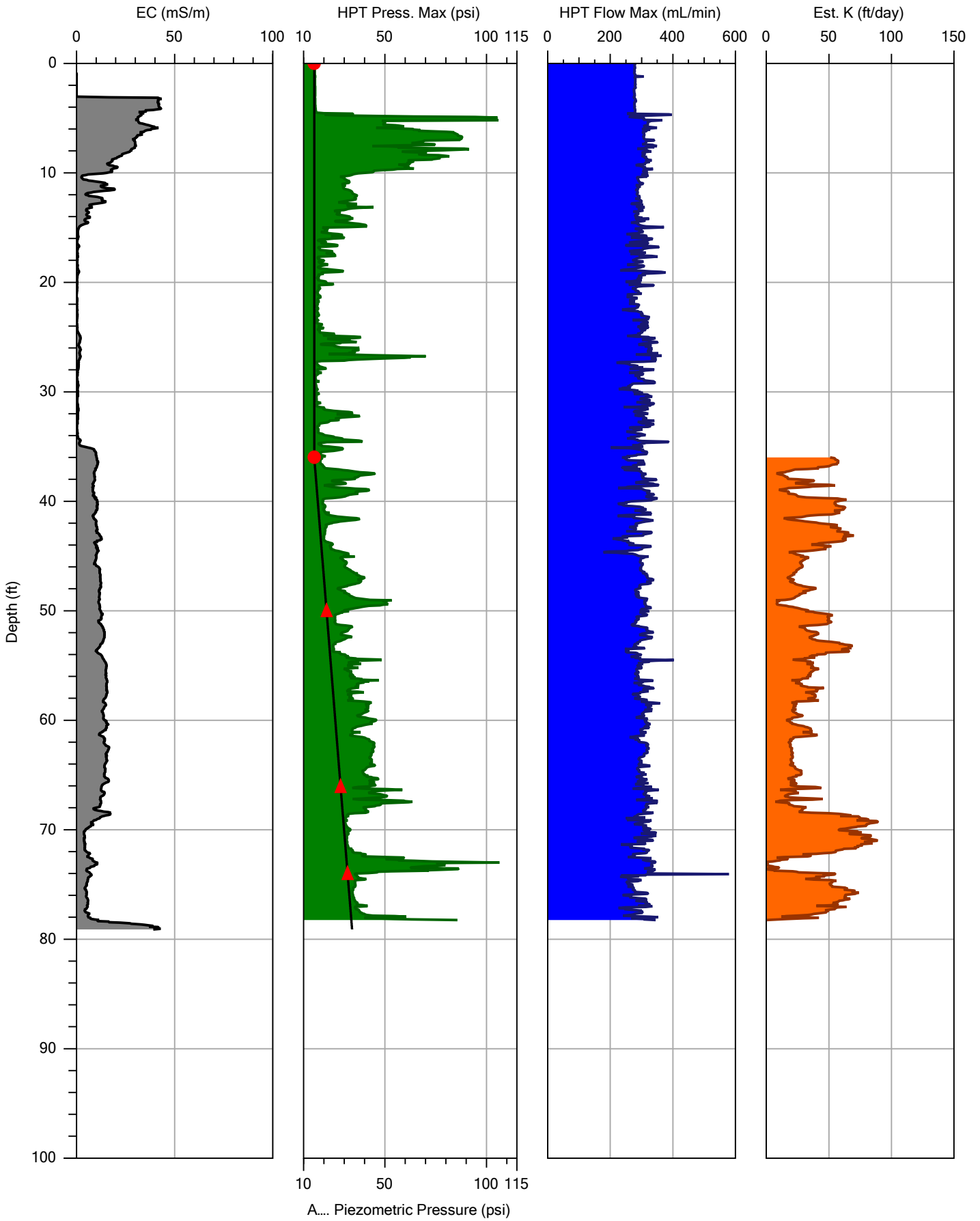
HPT Field Summary Log

GE Tell City
Tell City, IN

File Log ID	Date	Total Depth (ft)	Preprobed Depth (ft)	QA/QC (pass / fail)				Static Water	Dissipation Test		Comments
				EC Results		Transducer Results		Level	Depth (ft)	Stable? yes / no	
				Pre-Log pass / fail	Post-Log pass / fail	Pre-Log pass / fail	Post-Log pass / fail	<i>based on dissipation</i> (ft)			
AP-75B	08/08/18	78.25	5	pass	pass	pass	pass	36.1	50.05, 66.1, 74.05	Y, Y, Y	no comments
AP-78B	08/08/18	91.50	5	pass	pass	pass	pass	37.7	42.35, 50.85, 63.20	Y, Y, Y	no comments
AP-81B	08/07/18	72.95	5	pass	pass	pass	pass	38.5	43.05, 51.65	Y, Y	no comments
AP-82B	08/07/18	79.15	5	pass	pass	pass	pass	36.8	49.2, 57.2, 79.15	Y, Y, Y	no comments
AP-84	08/06/18	78.15	5	pass	pass	pass	pass	38.6	67.0, 78.15	Y, Y	no comments
AP-85	08/06/18	92.80	5	pass	pass	pass	pass	37.8	49.15, 57.15	Y, Y	no comments
AP-86	08/07/18	80.55	5	pass	pass	pass	pass	38.6	49.15, 54.65, 70.85	Y, Y, Y	no comments
AP-88	08/08/18	96.20	5	pass	pass	pass	pass	38.7	42.05, 64.3	Y, Y	no comments
Total Depth		669.55									

Appendix B

HPT Logs



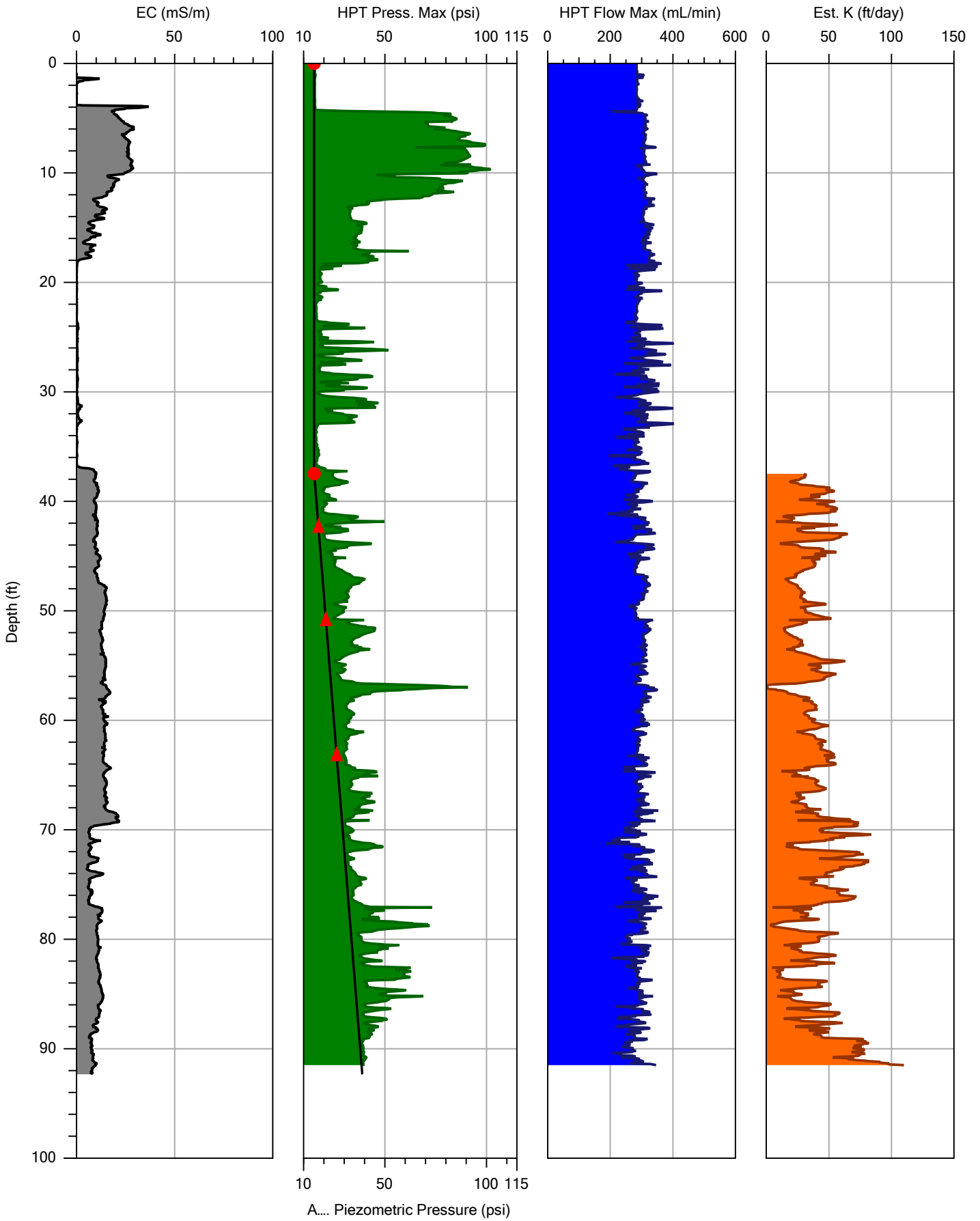
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-75B.HPT
Date:	8/8/2018
Location:	Tell City, IN



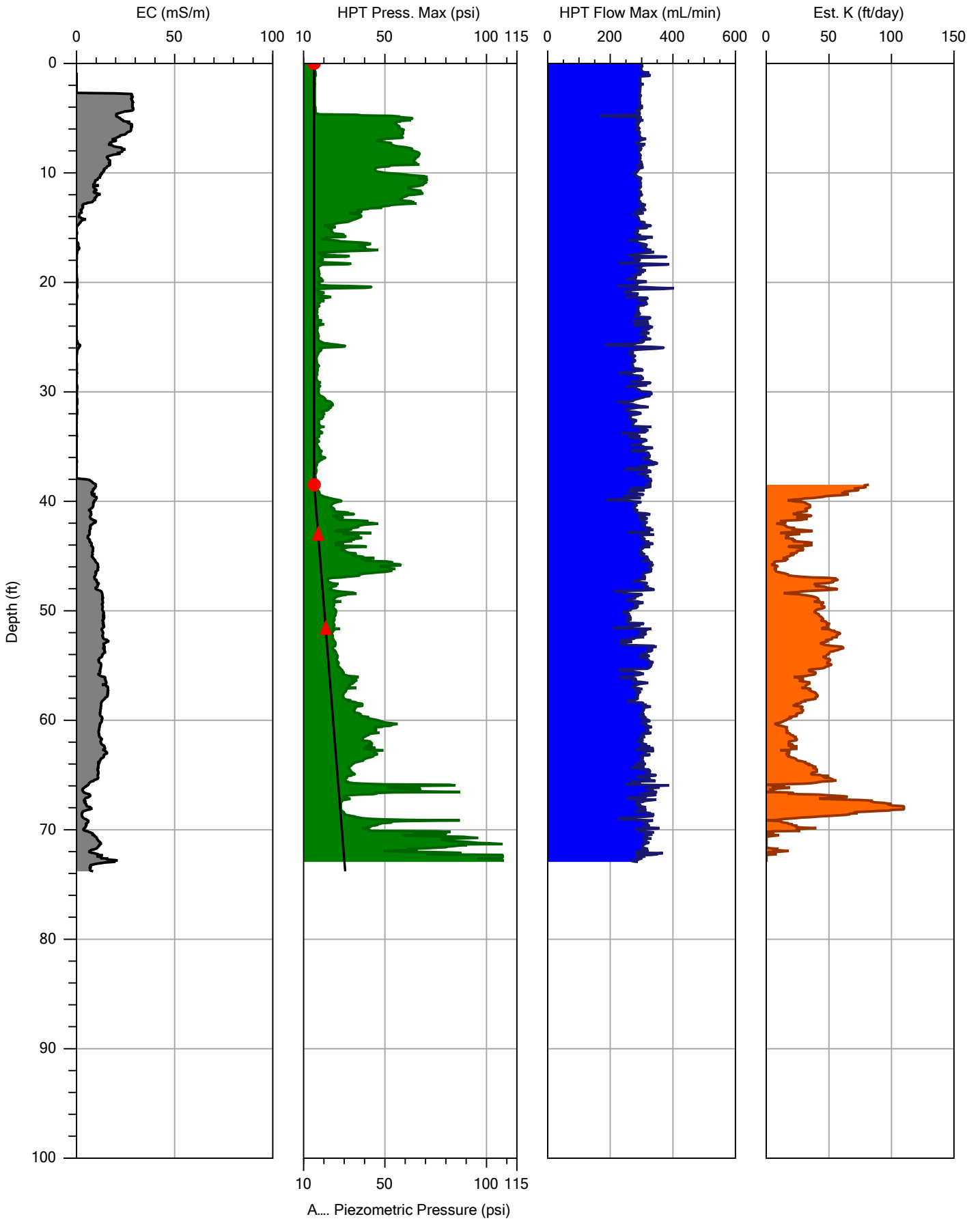
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-78B.HPT
Date:	8/8/2018
Location:	Tell City, IN



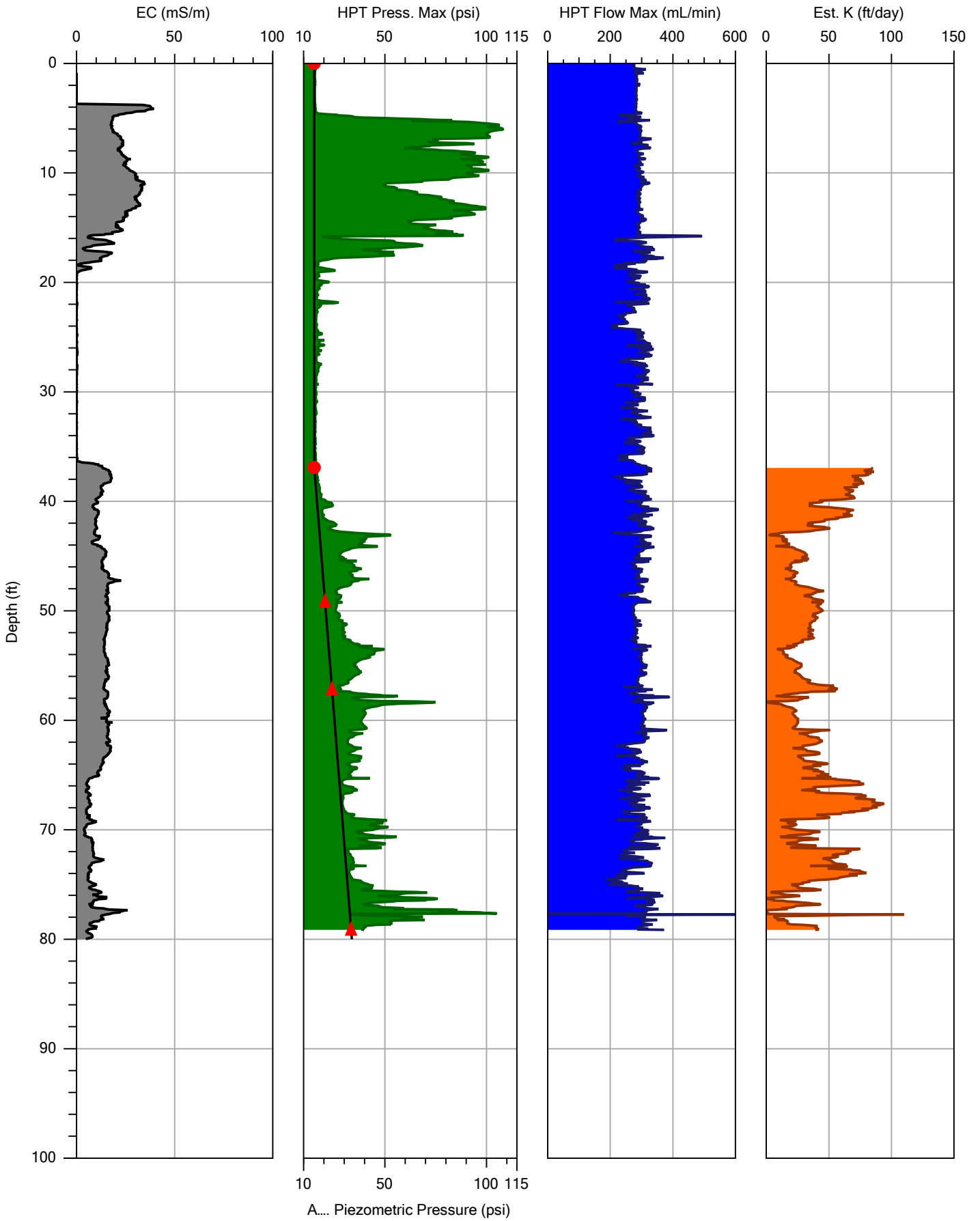
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-81B.HPT
Date:	8/7/2018
Location:	Tell City, IN



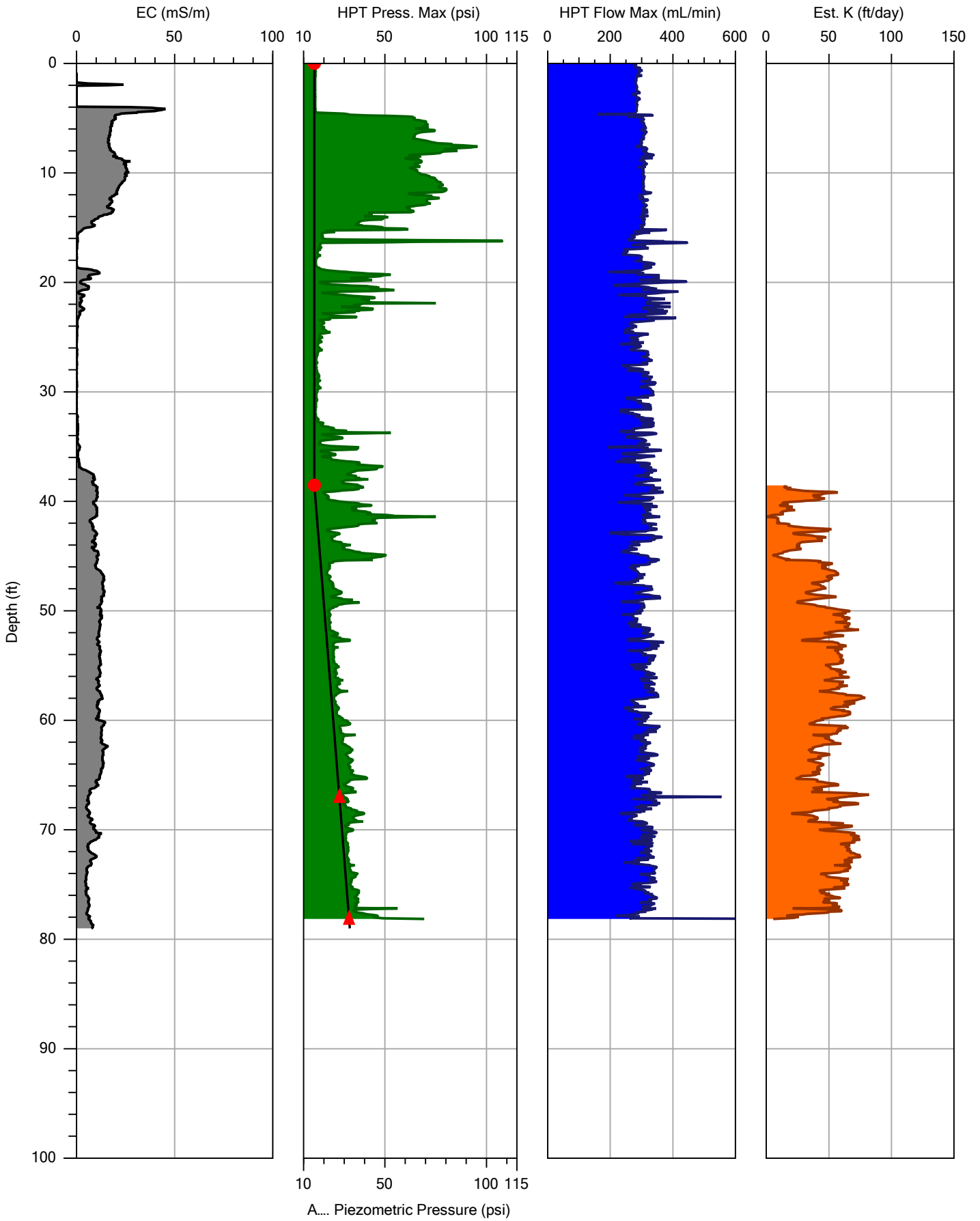
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-82B.HPT
Date:	8/7/2018
Location:	Tell City, IN



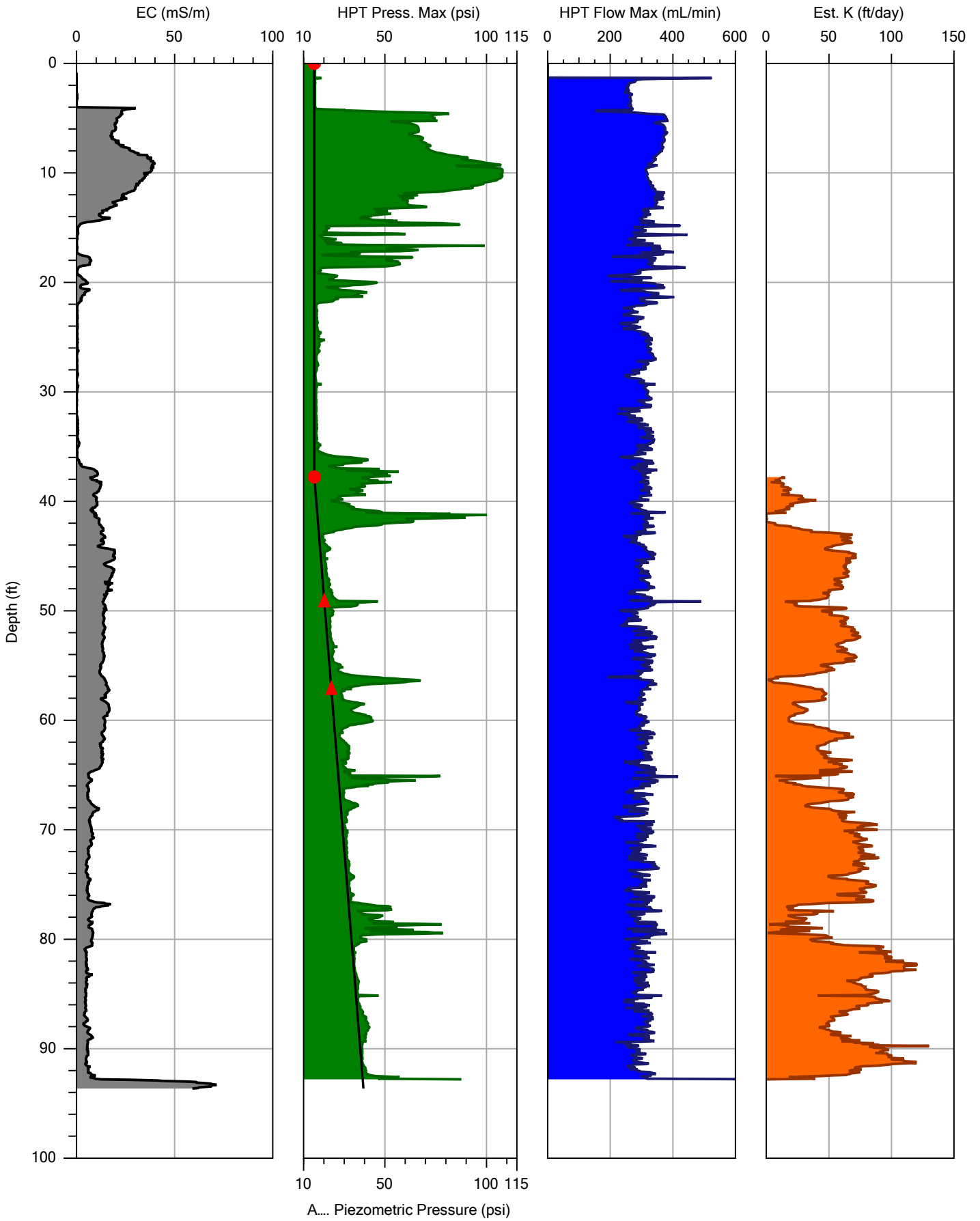
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-84.HPT
Date:	8/6/2018
Location:	Tell City, IN



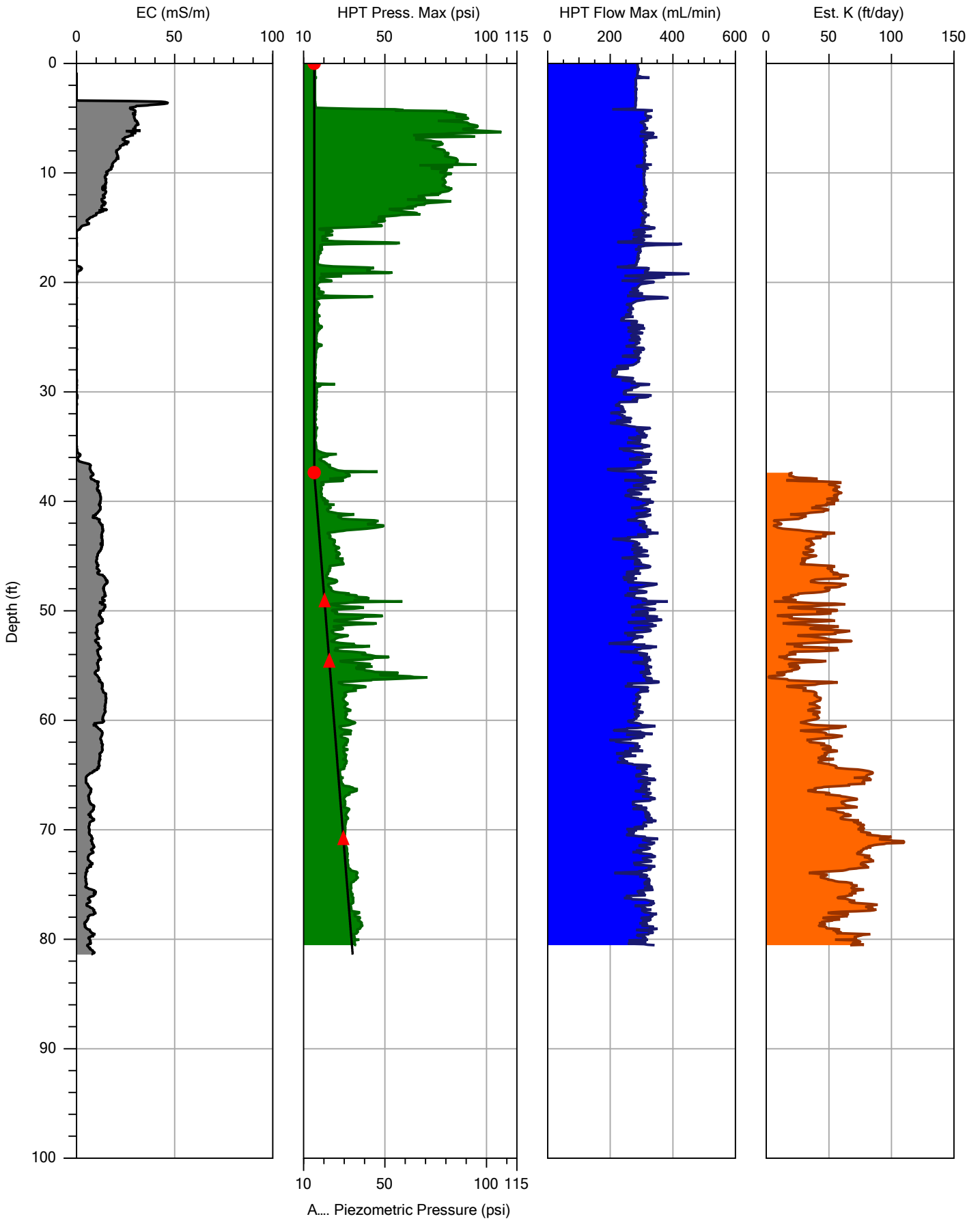
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-85.HPT
Date:	8/6/2018
Location:	Tell City, IN



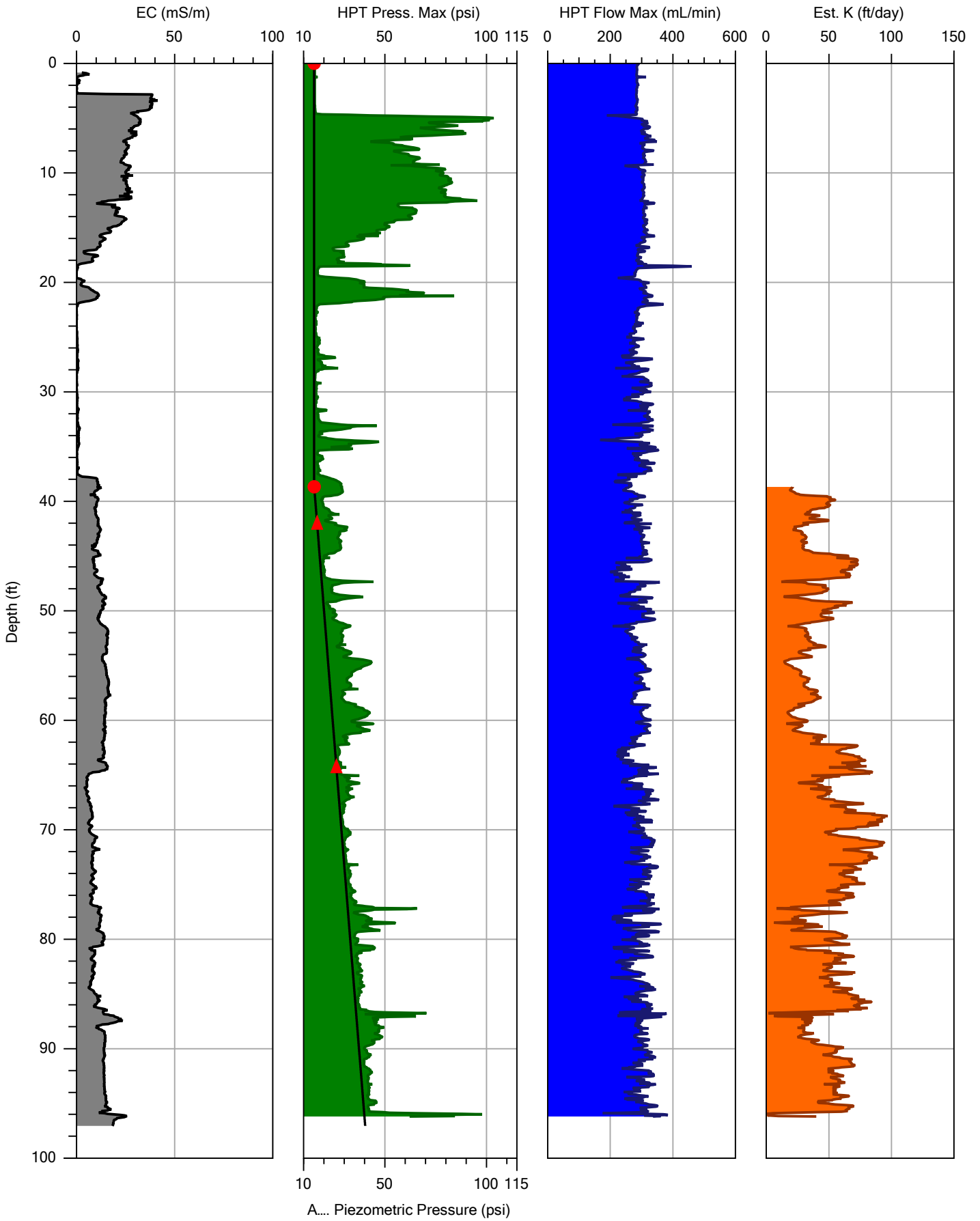
A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-86.HPT
Date:	8/7/2018
Location:	Tell City, IN



A... Piezometric Pressure (psi)



Company: Dakota Technologies
Project ID: 0254.18

Operator: DS/EM
Client: Arcadis

File:	AP-88.HPT
Date:	8/8/2018
Location:	Tell City, IN

Appendix C

HPT Reference Log

Conductivity Plot:

The Electrical Conductivity (EC) of the soil is logged simultaneously with the HPT data utilizing an integrated Wenner array. EC often provides insight into the stratigraphy and correlates with the HPT pressure plot in many instances. Typically an increase in EC (and increase in pressure) is indicative of finer, tighter soil types.

HPT Pressure Plot:

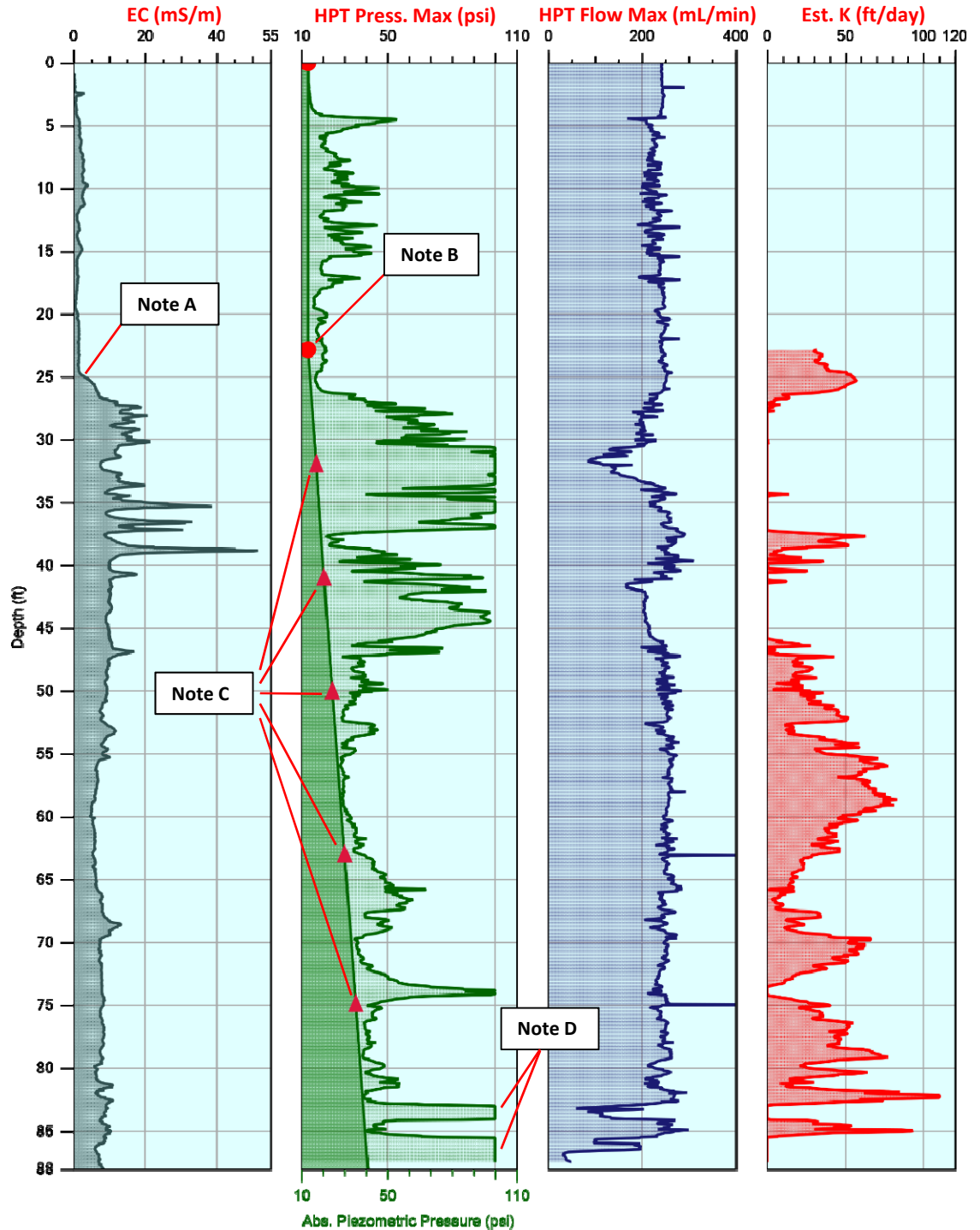
The HPT pressure gives insight into hydraulic properties of the soil as water is pumped into the formation at a constant rate. The pressure (unlike EC) is independent of certain factors such as pore water chemistry or mineralogy (contaminants, brines) and so further aids in defining soil/hydraulic properties of the area of investigation.

HPT Flow Plot:

Water is pumped out of the HPT probe and into the formation at a constant rate of typically 250 ml/min. A change in flow (usually accompanied by an inverse pressure change) is an indicator of the hydraulic properties of the soil

Estimated K Plot:

The estimated hydraulic conductivity (K) is internally calculated by utilizing pressure and flow data in conjunction with dissipation tests performed at each location. This data is useful for directing sampling, remediation and slug testing protocols.



Note A:

Increasing EC readings starting at 25 feet indicate a transition to finer grain silt with clay stringers at 35 to 39 feet.

Note B:

The hydrostatic water level has been indicated with a round marker at 22.5 feet.

Note C:

The Absolute Piezometric pressure has been calculated and graphed with the individual dissipation test points indicated by triangular markers. The pressure increases relative to the head pressure as soon as the water table is encountered. Since these points form a straight line (no inflections) it can be inferred that the water table is hydraulically connected from the first to the last dissipation test.

Note D:

The significant pressure increase (transducer maxed out, 100 psi) and drop in flow at 83 to 88 feet is due to tight formation conditions discovered by HPT parameters (and not observed by EC measurements).

APPENDIX C

Confining Layer Report



September 11, 2018

Mr. Daniel Petzold
Arcadis
150 West Market Street
Suite 700
Indianapolis, IN 46204

RE: Project: GE Tell City
Pace Project No.: 50204256

Dear Mr. Petzold:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2018. 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.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
(317)228-3100
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GE Tell City
Pace Project No.: 50204256

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50204256001	Shelby Tube-1	Solid	08/22/18 08:00	08/24/18 17:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50204256 **Date/Time and Initials of person examining contents:** DM 2/24/13 1735

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No **Seals Intact:** Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F **Ice Type:** Wet Blue None | **Samples collected today and on ice:** Yes No N/A

Cooler Temperature: 25.4/25.7 **Ice Visible in Sample Containers?:** Yes No N/A

(Initial/Corrected) Temp should be above freezing to 6°C **If temp. is Over 6°C or under 0°C, was the PM Notified?:** Yes No N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		/	All containers needing acid/base pres. Have been checked?: exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.			
USDA Regulated Soils? (ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		/	All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			/
Chain of Custody Present:	/		Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			
Chain of Custody Filled Out:	/		Dissolved Metals field filtered?:			/
Short Hold Time Analysis (<72hr)?: Analysis:		/	Headspace Wisconsin Sulfide			/
Time 5035A TC placed in Freezer or Short Holds To Lab:			Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			/
Rush TAT Requested: <u>2/25/13</u>	/		Headspace in VOA Vials (>6mm):			/
Containers Intact?:	/		Trip Blank Present?:		/	
Sample Labels Match COC?: Except TCs, which only require sample ID	/		Trip Blank Custody Seals?:		/	

Comments:

Sample Container Count

WO#: 50204256



50204256

Matrix S
(Soil/Wa
Aqueous

CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 2276968

Project # 50204256

Sample Line Item	DG9H	VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	Bl	Ki	R	TUBE GN	Matrix S (Soil/Wa Aqueous)	pH <2	pH >9	pH >12
1																					1	SL			
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Container Codes

Glass				Plastic / Misc.			
DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic		
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP2O	500mL NaOH plastic	U	Summa Can
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
VG9U	40mL unpreserved clear vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic		
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac		
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic		
WGAU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic		
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass	BP3S	250mL H2SO4 plastic		
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass				
		BG3U	250mL Unpreserved Clear Glass				

GRAIN SIZE DISTRIBUTION TEST DATA

9/10/2018

Client: Pace Analytical Indianapolis

Project: WO# 50204256 GE Tell City

Project Number: 20241

Location: Shelby Tube-1 (50204256001)

Sample Number: 260098-001

Material Description: sandy silt

Sample Date: 8/22/18

Date Received: 8/28/18 **PL:** NP

LL: NV

USCS Classification: ML

AASHTO Classification: A-4(0)

Grain Size Test Method: ASTM D6913/D7928

Testing Remarks: Water Content (ASTM D2216): 21.2%

Tested By: GMK

Test Date: 8/30/18

Checked By: Casey Rogers

Title: Lab Manager

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer		
726.20	406.80	3	0.00	0.00	100		
		2	0.00	0.00	100		
		1.5	0.00	0.00	100		
		1	0.00	0.00	100		
		.75	0.00	0.00	100		
		.375	0.00	0.00	100		
		#4	0.20	0.00	100		
		#10	1.70	0.00	99		
		53.00	0.00	#20	0.60	0.00	98
				#40	3.90	0.00	91
				#60	9.00	0.00	74
				#100	4.50	0.00	66
				#140	1.30	0.00	63
		#200	1.00	0.00	61		

Hydrometer Test Data

Hydrometer test uses material passing #10

Percent passing #10 based upon complete sample = 99

Weight of hydrometer sample = 53.0

Automatic temperature correction

Composite correction (fluid density and meniscus height) at 20 deg. C = -5

Meniscus correction only = 0.0

Specific gravity of solids = 2.65

Hydrometer type = 152H

Hydrometer effective depth equation: $L = 16.294964 - 0.164 \times R_m$

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	20.0	35.0	30.0	0.0136	35.0	10.6	0.0443	56.2
2.00	20.0	32.0	27.0	0.0136	32.0	11.0	0.0321	50.6
4.00	20.0	27.0	22.0	0.0136	27.0	11.9	0.0235	41.2
8.00	20.0	23.0	18.0	0.0136	23.0	12.5	0.0171	33.7
15.00	20.0	18.0	13.0	0.0136	18.0	13.3	0.0129	24.3
30.00	20.0	15.0	10.0	0.0136	15.0	13.8	0.0093	18.7
60.00	20.0	13.0	8.0	0.0136	13.0	14.2	0.0066	14.9
90.00	20.0	12.0	7.0	0.0136	12.0	14.3	0.0054	13.1
120.00	20.0	11.0	6.0	0.0136	11.0	14.5	0.0047	11.2
1440.00	20.0	9.0	4.0	0.0136	9.0	14.8	0.0014	7.4

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0	0	0	0	1	8	30	39	49	12	61

D ₅	D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₄₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
	0.0032	0.0067	0.0103	0.0153	0.0224	0.0314	0.0632	0.3018	0.3492	0.4099	0.5214

Fineness Modulus	C _u	C _c
0.60	19.62	1.14



PERMEABILITY TEST REPORT
(ASTM D 5084)

Northeast Technical Services, Inc.
526 Chestnut Street, PO Box 1142
Virginia, Minnesota 55792
Telephone: (218) 741-4290
FAX (218) 741-4291

Project GE Tell City 50204256
Sample Description Shelby Tube - 1
Date Reported 43353.0
Client Pace Indianapolis - Kelly Jones

Project # 20241
Lab ID # 260098-001
COC # 2/14/2612

Sampled By Client
Date Collected 8/22/2018

Lab Technician EJ
Date Analyzed 9/5/2018

Sample Location _____

Test Results:

Type of Sample:		Extracted Shelby Tube
Specimen Initial Weight (g)		769.5
Specimen Height (cm):		9.8
Specimen Diameter (cm):		7.24
Water Content (%):	Initial:	18.0%
	Final:	19.4%
Dry Unit Weight (lbs/ft³):		100.9
Compaction (%):		-
Max. Head Differential (cm):		150 cm
Confining Pressure (psi):		2.60
Coefficient of Permeability K @ 20 C (cm/sec):		7.21E-08
Permeant Liquid Used:		de-aired distilled water

Additional Information:

Soil Classification: Sandy Silt **Additional Descriptors:** _____

Atterberg Limits:
 Liquid Limit _____
 Plastic Limit _____
 Plastic Index _____

Comments: -Observing the sample following the test showed interbedded layering of fine grain material and sandier material. Please see attached photo.

Reviewed: Evan Johnson



Chain of Custody



Workorder: 50204256 Workorder Name: GE Tell City Results Requested By: 9/6/2018

Report / Invoice To: Subcontract To

Kelly Jones
 Pace Analytical Indianapolis
 7726 Moller Road
 Indianapolis, IN 46268
 Phone (317)228-3100
 Email: kelly.jones@pacelabs.com

NTS
 114 So 15th Ave SW
 Virginia, MN 55792
 P.O. 50204256

State of Sample Origin: IN

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers
1	Shelby Tube-1	8/22/2018 08:00	50204256001	Solid	General 1
2					
3					
4					
5					

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	JASON HAWA	8-27-18 12:59	[Signature]	8-28-18 2:00 PM	COC: 260098
2					
3					

Clay Permeability ASTM D 5084	X	Grain Size ASTM D 7928	X	LAB USE ONLY	260098-001
Received on Ice	Y or N	Custody Seal	Y or N	Received on Ice	Y or N
Received on Ice	(N)	Custody Seal	(N)	Received on Ice	(Y)

APPENDIX D

Laboratory Reports



August 17, 2018

Mr. Daniel Petzold
Arcadis
150 West Market Street
Suite 700
Indianapolis, IN 46204

RE: Project: GE Tell City
Pace Project No.: 50203601

Dear Mr. Petzold:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2018. 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,



Kenneth Hunt
kenneth.hunt@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mr. Jon Akin, Arcadis U.S., Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GE Tell City
Pace Project No.: 50203601

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2017-124
Texas Certification #: T104704355-18-12
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GE Tell City
Pace Project No.: 50203601

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50203601001	City Well-8	Water	08/16/18 09:30	08/17/18 07:30
50203601002	City Well-9	Water	08/16/18 09:40	08/17/18 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GE Tell City
Pace Project No.: 50203601

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50203601001	City Well-8	EPA 524.2	RSW	46
50203601002	City Well-9	EPA 524.2	RSW	46

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: GE Tell City

Pace Project No.: 50203601

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50203601001	City Well-8					
EPA 524.2	Methyl-tert-butyl ether	3.0	ug/L	1.0	08/17/18 10:34	N2
50203601002	City Well-9					
EPA 524.2	Methyl-tert-butyl ether	6.3	ug/L	1.0	08/17/18 10:11	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50203601

Sample: City Well-8		Lab ID: 50203601001	Collected: 08/16/18 09:30	Received: 08/17/18 07:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
Benzene	ND	ug/L	0.50	1		08/17/18 10:34	71-43-2	N2
Bromobenzene	ND	ug/L	0.50	1		08/17/18 10:34	108-86-1	N2
Bromodichloromethane	ND	ug/L	0.50	1		08/17/18 10:34	75-27-4	N2
Bromoform	ND	ug/L	1.0	1		08/17/18 10:34	75-25-2	N2
Bromomethane	ND	ug/L	5.0	1		08/17/18 10:34	74-83-9	L1,N2
Carbon tetrachloride	ND	ug/L	0.50	1		08/17/18 10:34	56-23-5	N2
Chlorobenzene	ND	ug/L	0.50	1		08/17/18 10:34	108-90-7	N2
Chloroethane	ND	ug/L	0.50	1		08/17/18 10:34	75-00-3	N2
Chloroform	ND	ug/L	0.50	1		08/17/18 10:34	67-66-3	N2
Chloromethane	ND	ug/L	1.0	1		08/17/18 10:34	74-87-3	N2
2-Chlorotoluene	ND	ug/L	1.0	1		08/17/18 10:34	95-49-8	N2
4-Chlorotoluene	ND	ug/L	0.50	1		08/17/18 10:34	106-43-4	N2
Dibromochloromethane	ND	ug/L	1.0	1		08/17/18 10:34	124-48-1	N2
Dibromomethane	ND	ug/L	0.50	1		08/17/18 10:34	74-95-3	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:34	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:34	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:34	106-46-7	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		08/17/18 10:34	75-34-3	N2
1,2-Dichloroethane	ND	ug/L	0.50	1		08/17/18 10:34	107-06-2	N2
1,1-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:34	75-35-4	L1,N2
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:34	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:34	156-60-5	N2
1,2-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:34	78-87-5	N2
1,3-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:34	142-28-9	N2
2,2-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:34	594-20-7	N2
1,1-Dichloropropene	ND	ug/L	1.0	1		08/17/18 10:34	563-58-6	N2
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		08/17/18 10:34	10061-01-5	N2
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		08/17/18 10:34	10061-02-6	N2
Ethylbenzene	ND	ug/L	0.50	1		08/17/18 10:34	100-41-4	N2
Methylene Chloride	ND	ug/L	0.50	1		08/17/18 10:34	75-09-2	N2
Methyl-tert-butyl ether	3.0	ug/L	1.0	1		08/17/18 10:34	1634-04-4	N2
Styrene	ND	ug/L	0.50	1		08/17/18 10:34	100-42-5	N2
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		08/17/18 10:34	630-20-6	N2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/17/18 10:34	79-34-5	N2
Tetrachloroethene	ND	ug/L	0.50	1		08/17/18 10:34	127-18-4	N2
Toluene	ND	ug/L	0.50	1		08/17/18 10:34	108-88-3	N2
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:34	120-82-1	N2
1,1,1-Trichloroethane	ND	ug/L	0.50	1		08/17/18 10:34	71-55-6	N2
1,1,2-Trichloroethane	ND	ug/L	0.50	1		08/17/18 10:34	79-00-5	N2
Trichloroethene	ND	ug/L	0.50	1		08/17/18 10:34	79-01-6	N2
1,2,3-Trichloropropane	ND	ug/L	2.0	1		08/17/18 10:34	96-18-4	N2
Vinyl chloride	ND	ug/L	0.50	1		08/17/18 10:34	75-01-4	N2
Xylene (Total)	ND	ug/L	0.50	1		08/17/18 10:34	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		08/17/18 10:34	460-00-4	H1
Dibromofluoromethane (S)	99	%.	70-130	1		08/17/18 10:34	1868-53-7	
Toluene-d8 (S)	104	%.	70-130	1		08/17/18 10:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50203601

Sample: City Well-9	Lab ID: 50203601002	Collected: 08/16/18 09:40	Received: 08/17/18 07:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
Benzene	ND	ug/L	0.50	1		08/17/18 10:11	71-43-2	N2
Bromobenzene	ND	ug/L	0.50	1		08/17/18 10:11	108-86-1	N2
Bromodichloromethane	ND	ug/L	0.50	1		08/17/18 10:11	75-27-4	N2
Bromoform	ND	ug/L	1.0	1		08/17/18 10:11	75-25-2	N2
Bromomethane	ND	ug/L	5.0	1		08/17/18 10:11	74-83-9	L1,N2
Carbon tetrachloride	ND	ug/L	0.50	1		08/17/18 10:11	56-23-5	N2
Chlorobenzene	ND	ug/L	0.50	1		08/17/18 10:11	108-90-7	N2
Chloroethane	ND	ug/L	0.50	1		08/17/18 10:11	75-00-3	N2
Chloroform	ND	ug/L	0.50	1		08/17/18 10:11	67-66-3	N2
Chloromethane	ND	ug/L	1.0	1		08/17/18 10:11	74-87-3	N2
2-Chlorotoluene	ND	ug/L	1.0	1		08/17/18 10:11	95-49-8	N2
4-Chlorotoluene	ND	ug/L	0.50	1		08/17/18 10:11	106-43-4	N2
Dibromochloromethane	ND	ug/L	1.0	1		08/17/18 10:11	124-48-1	N2
Dibromomethane	ND	ug/L	0.50	1		08/17/18 10:11	74-95-3	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:11	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:11	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:11	106-46-7	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		08/17/18 10:11	75-34-3	N2
1,2-Dichloroethane	ND	ug/L	0.50	1		08/17/18 10:11	107-06-2	N2
1,1-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:11	75-35-4	L1,N2
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:11	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		08/17/18 10:11	156-60-5	N2
1,2-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:11	78-87-5	N2
1,3-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:11	142-28-9	N2
2,2-Dichloropropane	ND	ug/L	0.50	1		08/17/18 10:11	594-20-7	N2
1,1-Dichloropropene	ND	ug/L	1.0	1		08/17/18 10:11	563-58-6	N2
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		08/17/18 10:11	10061-01-5	N2
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		08/17/18 10:11	10061-02-6	N2
Ethylbenzene	ND	ug/L	0.50	1		08/17/18 10:11	100-41-4	N2
Methylene Chloride	ND	ug/L	0.50	1		08/17/18 10:11	75-09-2	N2
Methyl-tert-butyl ether	6.3	ug/L	1.0	1		08/17/18 10:11	1634-04-4	N2
Styrene	ND	ug/L	0.50	1		08/17/18 10:11	100-42-5	N2
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		08/17/18 10:11	630-20-6	N2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/17/18 10:11	79-34-5	N2
Tetrachloroethene	ND	ug/L	0.50	1		08/17/18 10:11	127-18-4	N2
Toluene	ND	ug/L	0.50	1		08/17/18 10:11	108-88-3	N2
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		08/17/18 10:11	120-82-1	N2
1,1,1-Trichloroethane	ND	ug/L	0.50	1		08/17/18 10:11	71-55-6	N2
1,1,2-Trichloroethane	ND	ug/L	0.50	1		08/17/18 10:11	79-00-5	N2
Trichloroethene	ND	ug/L	0.50	1		08/17/18 10:11	79-01-6	N2
1,2,3-Trichloropropane	ND	ug/L	2.0	1		08/17/18 10:11	96-18-4	N2
Vinyl chloride	ND	ug/L	0.50	1		08/17/18 10:11	75-01-4	N2
Xylene (Total)	ND	ug/L	0.50	1		08/17/18 10:11	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	96	%.	70-130	1		08/17/18 10:11	460-00-4	H1
Dibromofluoromethane (S)	98	%.	70-130	1		08/17/18 10:11	1868-53-7	
Toluene-d8 (S)	107	%.	70-130	1		08/17/18 10:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50203601

QC Batch: 457556 Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV

Associated Lab Samples: 50203601001, 50203601002

METHOD BLANK: 2112246 Matrix: Water

Associated Lab Samples: 50203601001, 50203601002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
1,1,1-Trichloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/17/18 11:22	N2
1,1,2-Trichloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
1,1-Dichloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
1,1-Dichloroethene	ug/L	ND	0.50	08/17/18 11:22	N2
1,1-Dichloropropene	ug/L	ND	1.0	08/17/18 11:22	N2
1,2,3-Trichloropropane	ug/L	ND	2.0	08/17/18 11:22	N2
1,2,4-Trichlorobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
1,2-Dichlorobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
1,2-Dichloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
1,2-Dichloropropane	ug/L	ND	0.50	08/17/18 11:22	N2
1,3-Dichlorobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
1,3-Dichloropropane	ug/L	ND	0.50	08/17/18 11:22	N2
1,4-Dichlorobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
2,2-Dichloropropane	ug/L	ND	0.50	08/17/18 11:22	N2
2-Chlorotoluene	ug/L	ND	1.0	08/17/18 11:22	N2
4-Chlorotoluene	ug/L	ND	0.50	08/17/18 11:22	N2
Benzene	ug/L	ND	0.50	08/17/18 11:22	N2
Bromobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
Bromodichloromethane	ug/L	ND	0.50	08/17/18 11:22	N2
Bromoform	ug/L	ND	1.0	08/17/18 11:22	N2
Bromomethane	ug/L	ND	5.0	08/17/18 11:22	N2
Carbon tetrachloride	ug/L	ND	0.50	08/17/18 11:22	N2
Chlorobenzene	ug/L	ND	0.50	08/17/18 11:22	N2
Chloroethane	ug/L	ND	0.50	08/17/18 11:22	N2
Chloroform	ug/L	ND	0.50	08/17/18 11:22	N2
Chloromethane	ug/L	ND	1.0	08/17/18 11:22	N2
cis-1,2-Dichloroethene	ug/L	ND	0.50	08/17/18 11:22	N2
cis-1,3-Dichloropropene	ug/L	ND	0.50	08/17/18 11:22	N2
Dibromochloromethane	ug/L	ND	1.0	08/17/18 11:22	N2
Dibromomethane	ug/L	ND	0.50	08/17/18 11:22	N2
Ethylbenzene	ug/L	ND	0.50	08/17/18 11:22	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	08/17/18 11:22	N2
Methylene Chloride	ug/L	ND	0.50	08/17/18 11:22	N2
Styrene	ug/L	ND	0.50	08/17/18 11:22	N2
Tetrachloroethene	ug/L	ND	0.50	08/17/18 11:22	N2
Toluene	ug/L	ND	0.50	08/17/18 11:22	N2
trans-1,2-Dichloroethene	ug/L	ND	0.50	08/17/18 11:22	N2
trans-1,3-Dichloropropene	ug/L	ND	0.50	08/17/18 11:22	N2
Trichloroethene	ug/L	ND	0.50	08/17/18 11:22	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City
Pace Project No.: 50203601

METHOD BLANK: 2112246 Matrix: Water

Associated Lab Samples: 50203601001, 50203601002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	ND	0.50	08/17/18 11:22	N2
Xylene (Total)	ug/L	ND	0.50	08/17/18 11:22	N2
4-Bromofluorobenzene (S)	%	94	70-130	08/17/18 11:22	
Dibromofluoromethane (S)	%	100	70-130	08/17/18 11:22	
Toluene-d8 (S)	%	107	70-130	08/17/18 11:22	

LABORATORY CONTROL SAMPLE: 2112247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.6	81	70-130	N2
1,1,1-Trichloroethane	ug/L	50	44.6	89	70-130	N2
1,1,2,2-Tetrachloroethane	ug/L	50	42.3	85	70-130	N2
1,1,2-Trichloroethane	ug/L	50	46.9	94	70-130	N2
1,1-Dichloroethane	ug/L	50	44.2	88	70-130	N2
1,1-Dichloroethene	ug/L	50	91.6	183	70-130	L1,N2
1,1-Dichloropropene	ug/L	50	44.3	89	70-130	N2
1,2,3-Trichloropropane	ug/L	50	43.5	87	70-130	N2
1,2,4-Trichlorobenzene	ug/L	50	42.9	86	70-130	N2
1,2-Dichlorobenzene	ug/L	50	44.6	89	70-130	N2
1,2-Dichloroethane	ug/L	50	47.7	95	70-130	N2
1,2-Dichloropropane	ug/L	50	41.2	82	70-130	N2
1,3-Dichlorobenzene	ug/L	50	40.8	82	70-130	N2
1,3-Dichloropropane	ug/L	50	43.6	87	70-130	N2
1,4-Dichlorobenzene	ug/L	50	40.8	82	70-130	N2
2,2-Dichloropropane	ug/L	50	46.3	93	70-130	N2
2-Chlorotoluene	ug/L	50	47.0	94	70-130	N2
4-Chlorotoluene	ug/L	50	45.5	91	70-130	N2
Benzene	ug/L	50	43.7	87	70-130	N2
Bromobenzene	ug/L	50	42.4	85	70-130	N2
Bromodichloromethane	ug/L	50	39.7	79	70-130	N2
Bromoform	ug/L	50	36.2	72	70-130	N2
Bromomethane	ug/L	50	81.7	163	70-130	L1,N2
Carbon tetrachloride	ug/L	50	47.1	94	70-130	N2
Chlorobenzene	ug/L	50	40.7	81	70-130	N2
Chloroethane	ug/L	50	43.9	88	70-130	N2
Chloroform	ug/L	50	40.9	82	70-130	N2
Chloromethane	ug/L	50	40.9	82	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	43.6	87	70-130	N2
cis-1,3-Dichloropropene	ug/L	50	42.9	86	70-130	N2
Dibromochloromethane	ug/L	50	41.8	84	70-130	N2
Dibromomethane	ug/L	50	40.5	81	70-130	N2
Ethylbenzene	ug/L	50	42.3	85	70-130	N2
Methyl-tert-butyl ether	ug/L	50	46.5	93	70-130	N2
Methylene Chloride	ug/L	50	54.2	108	70-130	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50203601

LABORATORY CONTROL SAMPLE: 2112247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	43.5	87	70-130	N2
Tetrachloroethene	ug/L	50	42.4	85	70-130	N2
Toluene	ug/L	50	42.2	84	70-130	N2
trans-1,2-Dichloroethene	ug/L	50	48.8	98	70-130	N2
trans-1,3-Dichloropropene	ug/L	50	41.9	84	70-130	N2
Trichloroethene	ug/L	50	44.1	88	70-130	N2
Vinyl chloride	ug/L	50	54.6	109	70-130	N2
Xylene (Total)	ug/L	150	136	91	70-130	N2
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GE Tell City

Pace Project No.: 50203601

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.

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.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the recognized method holding time.

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

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GE Tell City

Pace Project No.: 50203601

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50203601001	City Well-8	EPA 524.2	457556		
50203601002	City Well-9	EPA 524.2	457556		

REPORT OF LABORATORY ANALYSIS

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SAMPLE CONDITION UPON RECEIPT FORM

Project #: 5023051

Date/Time and Initials of person examining contents: KR 8/17/18

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No **Seals Intact:** Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F **Ice Type:** Wet Blue None | **Samples collected today and on ice:** Yes No N/A

Cooler Temperature: 28/2.6 **Ice Visible in Sample Containers?:** Yes No N/A

(Initial/Corrected) Temp should be above freezing to 6°C **If temp. is Over 6°C or under 0°C, was the PM Notified?:** Yes No N/A

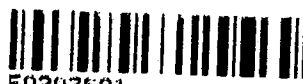
All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		X	All containers needing acid/base pres. Have been checked?: exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.			
USDA Regulated Soils? (ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Chain of Custody Present:	X		Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			X
Chain of Custody Filled Out:	X		Dissolved Metals field filtered?:			X
Short Hold Time Analysis (<72hr)? Analysis:		X	Headspace Wisconsin Sulfide			X
Time 5035A TC placed in Freezer or Short Holds To Lab:			Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Rush TAT Requested: <u>SAME DAY</u>	X		Headspace in VOA Vials (>6mm):		X	
Containers Intact?:	X		Trip Blank Present?:		X	
Sample Labels Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:		X	

Comments:

Sample Container Count

WO#: 50203601



50203601

CLIENT: Arco

COC PAGE 1 of 1

COC ID# 09761

Project # 50203601

Sample Line Item	DG9H VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	Bu Kit		Matrix (Soil/Aqueo)	pH <2	pH >9	pH >12	
																	R	V694					
1																		3		WJ			
2																		2					
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Container Codes

Glass				Plastic / Misc.			
DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic		
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG1U	1 liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP2O	500mL NaOH plastic	U	Summa Can
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
VG9U	40mL unpreserved clear vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic		
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac		
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic		
WGAU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic		
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass	BP3S	250mL H2SO4 plastic		
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass				
		BG3U	250mL Unpreserved Clear Glass				

- CERTIFICATE OF ANALYSIS -

Disp. Code: DE

Report Date: 21-Aug-18 12:16 PM

Client ID: ENV_CONSULT_DW

Environmental Consultants (Astbury)
2500 Lincoln Drive
Suite A
Clarksville, Indiana 47129

Attn: Bob Fuchs

ESG Certification # C-49-07
ESG Certification # M-49-07

USEPA Lead MCL = 0.015 mg/L
USEPA Nitrate MCL = 10.0 mg/L
USEPA Nitrite MCL = 1.0 mg/L

USEPA Arsenic MCL = 0.010 mg/L
USEPA Copper MCL = 1.3 mg/L

PASS: At the time of examination, this water was found to be bacteriologically SAFE based upon USEPA standards.

FAIL: At the time of examination, this water was found to be bacteriologically UNSAFE based upon USEPA standards.

Phone: (812) 282-8481

FAX:

Our Lab # 18013105-001

Your Sample ID: Well #8

Sample Composition: Grab

Your Project # IN5262004

Your Project Name: Tell City Water

Sample Type: Drinking Water

Collection Date: 08/16/18 08:10

Collected By: Client

Receipt Date: 08/17/18 12:00

Lab # 18013105-001

Sample ID: Well #8

Page 1 of 8



**Astbury Water
Technology, Inc.**

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
AstburyWaterTechnology.com

Regulated & Unreg. VOCs - Drinking Water

Analytical Method Prep Method Prep Date By
EPA 524.2

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Benzene	< 0.50	ug/L		0.50	71-43-2	08/20/18 08:55	mglasheen
Carbon tetrachloride	< 0.50	ug/L		0.50	56-23-5	08/20/18 08:55	mglasheen
Chlorobenzene	< 0.50	ug/L		0.50	108-90-7	08/20/18 08:55	mglasheen
1,2-Dichlorobenzene	< 0.50	ug/L		0.50	95-50-1	08/20/18 08:55	mglasheen
1,4-Dichlorobenzene	< 0.50	ug/L		0.50	106-46-7	08/20/18 08:55	mglasheen
1,2-Dichloroethane	< 0.50	ug/L		0.50	107-06-2	08/20/18 08:55	mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-35-4	08/20/18 08:55	mglasheen
cis-1,2-Dichloroethane	< 0.50	ug/L		0.50	156-59-2	08/20/18 08:55	mglasheen
trans-1,2-Dichloroethane	< 0.50	ug/L		0.50	156-60-5	08/20/18 08:55	mglasheen
Methylene chloride	< 0.50	ug/L		0.50	75-09-2	08/20/18 08:55	mglasheen
1,2-Dichloropropane	< 0.50	ug/L		0.50	78-87-5	08/20/18 08:55	mglasheen
Ethylbenzene	< 0.50	ug/L		0.50	100-41-4	08/20/18 08:55	mglasheen
Styrene	< 0.50	ug/L		0.50	100-42-5	08/20/18 08:55	mglasheen
Tetrachloroethene	< 0.50	ug/L		0.50	127-18-4	08/20/18 08:55	mglasheen
Toluene	< 0.50	ug/L		0.50	108-88-3	08/20/18 08:55	mglasheen
1,2,4-Trichlorobenzene	< 0.50	ug/L		0.50	120-82-1	08/20/18 08:55	mglasheen
1,1,1-Trichloroethane	< 0.50	ug/L		0.50	71-55-6	08/20/18 08:55	mglasheen
1,1,2-Trichloroethane	< 0.50	ug/L		0.50	79-00-5	08/20/18 08:55	mglasheen
Trichloroethene	< 0.50	ug/L		0.50	79-01-6	08/20/18 08:55	mglasheen
Vinyl chloride	< 0.50	ug/L		0.50	75-01-4	08/20/18 08:55	mglasheen
Xylene, Total	< 0.50	ug/L		0.50	1330-20-7	08/20/18 08:55	mglasheen
Bromobenzene	< 0.50	ug/L		0.50	108-86-1	08/20/18 08:55	mglasheen
Bromodichloromethane	< 0.50	ug/L		0.50	75-27-4	08/20/18 08:55	mglasheen
Bromoform	< 0.50	ug/L		0.50	75-25-2	08/20/18 08:55	mglasheen
Bromomethane	0.92	ug/L		0.50	74-83-9	08/20/18 08:55	mglasheen
Chloroethane	< 0.50	ug/L		0.50	75-00-3	08/20/18 08:55	mglasheen
Chloroform	< 0.50	ug/L		0.50	67-66-3	08/20/18 08:55	mglasheen
Chloromethane	< 0.50	ug/L		0.50	74-87-3	08/20/18 08:55	mglasheen
1,2-Chlorotoluene	< 0.50	ug/L		0.50	95-49-8	08/20/18 08:55	mglasheen
1,4-Chlorotoluene	< 0.50	ug/L		0.50	106-43-4	08/20/18 08:55	mglasheen
Dibromochloromethane	< 0.50	ug/L		0.50	124-48-1	08/20/18 08:55	mglasheen
Dibromomethane	< 0.50	ug/L		0.50	74-95-3	08/20/18 08:55	mglasheen
1,3-Dichlorobenzene	< 0.50	ug/L		0.50	541-73-1	08/20/18 08:55	mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-34-3	08/20/18 08:55	mglasheen
1,3-Dichloropropane	< 0.50	ug/L		0.50	142-28-9	08/20/18 08:55	mglasheen
2,2-Dichloropropane	< 0.50	ug/L		0.50	590-20-7	08/20/18 08:55	mglasheen
1,1-Dichloropropene	< 0.50	ug/L		0.50	563-58-6	08/20/18 08:55	mglasheen
cis-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-01-5	08/20/18 08:55	mglasheen
trans-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-02-6	08/20/18 08:55	mglasheen
1,1,1,2-Tetrachloroethane	< 0.50	ug/L		0.50	630-20-6	08/20/18 08:55	mglasheen
1,1,2,2-Tetrachloroethane	< 0.50	ug/L		0.50	79-34-5	08/20/18 08:55	mglasheen
1,2,3-Trichloropropane	< 0.50	ug/L		0.50	96-18-4	08/20/18 08:55	mglasheen
Methyl-tert-butylether	2.9	ug/L		0.50	1634-04-4	08/20/18 08:55	mglasheen
1,2-Dichloroethane-d4 (Surr)	95	%			17060-07-0	08/20/18 08:55	mglasheen
Toluene-d8 (Surr)	106	%			2037-26-5	08/20/18 08:55	mglasheen
4-Bromofluorobenzene (Surr)	99	%			460-00-4	08/20/18 08:55	mglasheen

Lab # 18013105-001

Sample ID: Well #8

Page 2 of 8



Astbury Water
Technology, Inc.

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
AstburyWaterTechnology.com

Our Lab # 18013105-002

Your Sample ID: Well #9

Sample Composition: Grab

Your Project # IN5262004

Your Project Name: Tell City Water

Sample Type: Drinking Water

Collection Date: 08/16/18 08:25

Collected By: Client

Receipt Date: 08/17/18 12:00

Regulated & Unreg. VOCs - Drinking Water

Analytical Method EPA 524.2 Prep Method Prep Date By

Parameter	Result	Units	Quant. Qual	Limit	CAS #	Analysis Date	By
Benzene	< 0.50	ug/L		0.50	71-43-2	08/20/18 08:55	mglasheen
Carbon tetrachloride	< 0.50	ug/L		0.50	56-23-5	08/20/18 08:55	mglasheen
Chlorobenzene	< 0.50	ug/L		0.50	108-90-7	08/20/18 08:55	mglasheen
1,2-Dichlorobenzene	< 0.50	ug/L		0.50	95-50-1	08/20/18 08:55	mglasheen
1,4-Dichlorobenzene	< 0.50	ug/L		0.50	106-46-7	08/20/18 08:55	mglasheen
1,2-Dichloroethane	< 0.50	ug/L		0.50	107-06-2	08/20/18 08:55	mglasheen
1,1-Dichloroethene	< 0.50	ug/L		0.50	75-35-4	08/20/18 08:55	mglasheen
cis-1,2-Dichloroethene	< 0.50	ug/L		0.50	156-59-2	08/20/18 08:55	mglasheen
trans-1,2-Dichloroethene	< 0.50	ug/L		0.50	156-60-5	08/20/18 08:55	mglasheen
Methylene chloride	< 0.50	ug/L		0.50	75-09-2	08/20/18 08:55	mglasheen
1,2-Dichloropropane	< 0.50	ug/L		0.50	78-87-5	08/20/18 08:55	mglasheen
Ethylbenzene	< 0.50	ug/L		0.50	100-41-4	08/20/18 08:55	mglasheen
Styrene	< 0.50	ug/L		0.50	100-42-5	08/20/18 08:55	mglasheen
Tetrachloroethene	< 0.50	ug/L		0.50	127-18-4	08/20/18 08:55	mglasheen
Toluene	< 0.50	ug/L		0.50	108-88-3	08/20/18 08:55	mglasheen
1,2,4-Trichlorobenzene	< 0.50	ug/L		0.50	120-82-1	08/20/18 08:55	mglasheen
1,1,1-Trichloroethane	< 0.50	ug/L		0.50	71-55-6	08/20/18 08:55	mglasheen
1,1,2-Trichloroethane	< 0.50	ug/L		0.50	79-00-5	08/20/18 08:55	mglasheen
Trichloroethene	< 0.50	ug/L		0.50	79-01-6	08/20/18 08:55	mglasheen
Vinyl chloride	< 0.50	ug/L		0.50	75-01-4	08/20/18 08:55	mglasheen
Xylene, Total	< 0.50	ug/L		0.50	1330-20-7	08/20/18 08:55	mglasheen
Bromobenzene	< 0.50	ug/L		0.50	108-86-1	08/20/18 08:55	mglasheen
Bromodichloromethane	< 0.50	ug/L		0.50	75-27-4	08/20/18 08:55	mglasheen
Bromoform	< 0.50	ug/L		0.50	75-25-2	08/20/18 08:55	mglasheen
Bromomethane	0.72	ug/L		0.50	74-83-9	08/20/18 08:55	mglasheen
Chloroethane	< 0.50	ug/L		0.50	75-00-3	08/20/18 08:55	mglasheen
Chloroform	< 0.50	ug/L		0.50	67-66-3	08/20/18 08:55	mglasheen
Chloromethane	< 0.50	ug/L		0.50	74-87-3	08/20/18 08:55	mglasheen
1,2-Chlorotoluene	< 0.50	ug/L		0.50	95-49-8	08/20/18 08:55	mglasheen
1,4-Chlorotoluene	< 0.50	ug/L		0.50	106-43-4	08/20/18 08:55	mglasheen
Dibromochloromethane	< 0.50	ug/L		0.50	124-48-1	08/20/18 08:55	mglasheen
Dibromomethane	< 0.50	ug/L		0.50	74-95-3	08/20/18 08:55	mglasheen
1,3-Dichlorobenzene	< 0.50	ug/L		0.50	541-73-1	08/20/18 08:55	mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-34-3	08/20/18 08:55	mglasheen
1,3-Dichloropropane	< 0.50	ug/L		0.50	142-28-9	08/20/18 08:55	mglasheen
2,2-Dichloropropane	< 0.50	ug/L		0.50	590-20-7	08/20/18 08:55	mglasheen
1,1-Dichloropropene	< 0.50	ug/L		0.50	563-58-6	08/20/18 08:55	mglasheen
cis-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-01-5	08/20/18 08:55	mglasheen
trans-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-02-6	08/20/18 08:55	mglasheen
1,1,1,2-Tetrachloroethane	< 0.50	ug/L		0.50	630-20-6	08/20/18 08:55	mglasheen
1,1,2,2-Tetrachloroethane	< 0.50	ug/L		0.50	79-34-5	08/20/18 08:55	mglasheen
1,2,3-Trichloropropane	< 0.50	ug/L		0.50	96-18-4	08/20/18 08:55	mglasheen

Lab # 18013105-002

Sample ID: Well #9

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Astbury Water Technology, Inc.

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670 AstburyWaterTechnology.com

Regulated & Unreg. VOCs - Drinking Water

Analytical Method Prep Method Prep Date By
 EPA 524.2

Parameter	Result	Units	Quant. Qual	Limit	CAS #	Analysis Date	By
Methyl-tert-butylether	8.6	ug/L		0.50	1634-04-4	08/20/18 08:55	mglasheen
1,2-Dichloroethane-d4 (Surr)	95	%			17060-07-0	08/20/18 08:55	mglasheen
Toluene-d8 (Surr)	101	%			2037-26-5	08/20/18 08:55	mglasheen
4-Bromofluorobenzene (Surr)	99	%			460-00-4	08/20/18 08:55	mglasheen

Lab # 18013105-002

Sample ID: Well #9

Page 4 of 8



**Astbury Water
 Technology, Inc.**

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
 AstburyWaterTechnology.com

Our Lab # 18013105-003

Your Sample ID: Well #10

Sample Composition: Grab

Your Project # IN5262004

Your Project Name: Tell City Water

Sample Type: Drinking Water

Collection Date: 08/16/18 08:40

Collected By: Client

Receipt Date: 08/17/18 12:00

Regulated & Unreg. VOCs - Drinking Water

Parameter	Analytical Method		Prep Method		Prep Date		By	
	Result	Units	Qual	Limit	CAS #	Analysis Date		
Benzene	< 0.50	ug/L		0.50	71-43-2	08/20/18 08:55		mglasheen
Carbon tetrachloride	< 0.50	ug/L		0.50	56-23-5	08/20/18 08:55		mglasheen
Chlorobenzene	< 0.50	ug/L		0.50	108-90-7	08/20/18 08:55		mglasheen
1,2-Dichlorobenzene	< 0.50	ug/L		0.50	95-50-1	08/20/18 08:55		mglasheen
1,4-Dichlorobenzene	< 0.50	ug/L		0.50	106-46-7	08/20/18 08:55		mglasheen
1,2-Dichloroethane	< 0.50	ug/L		0.50	107-06-2	08/20/18 08:55		mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-35-4	08/20/18 08:55		mglasheen
cis-1,2-Dichloroethane	< 0.50	ug/L		0.50	156-59-2	08/20/18 08:55		mglasheen
trans-1,2-Dichloroethane	< 0.50	ug/L		0.50	156-60-5	08/20/18 08:55		mglasheen
Methylene chloride	< 0.50	ug/L		0.50	75-09-2	08/20/18 08:55		mglasheen
1,2-Dichloropropane	< 0.50	ug/L		0.50	78-87-5	08/20/18 08:55		mglasheen
Ethylbenzene	< 0.50	ug/L		0.50	100-41-4	08/20/18 08:55		mglasheen
Styrene	< 0.50	ug/L		0.50	100-42-5	08/20/18 08:55		mglasheen
Tetrachloroethene	< 0.50	ug/L		0.50	127-18-4	08/20/18 08:55		mglasheen
Toluene	< 0.50	ug/L		0.50	108-88-3	08/20/18 08:55		mglasheen
1,2,4-Trichlorobenzene	< 0.50	ug/L		0.50	120-82-1	08/20/18 08:55		mglasheen
1,1,1-Trichloroethane	< 0.50	ug/L		0.50	71-55-6	08/20/18 08:55		mglasheen
1,1,2-Trichloroethane	< 0.50	ug/L		0.50	79-00-5	08/20/18 08:55		mglasheen
Trichloroethene	< 0.50	ug/L		0.50	79-01-6	08/20/18 08:55		mglasheen
Vinyl chloride	< 0.50	ug/L		0.50	75-01-4	08/20/18 08:55		mglasheen
Xylene, Total	< 0.50	ug/L		0.50	1330-20-7	08/20/18 08:55		mglasheen
Bromobenzene	< 0.50	ug/L		0.50	108-86-1	08/20/18 08:55		mglasheen
Bromodichloromethane	< 0.50	ug/L		0.50	75-27-4	08/20/18 08:55		mglasheen
Bromoform	< 0.50	ug/L		0.50	75-25-2	08/20/18 08:55		mglasheen
Bromomethane	< 0.50	ug/L		0.50	74-83-9	08/20/18 08:55		mglasheen
Chloroethane	< 0.50	ug/L		0.50	75-00-3	08/20/18 08:55		mglasheen
Chloroform	< 0.50	ug/L		0.50	67-66-3	08/20/18 08:55		mglasheen
Chloromethane	< 0.50	ug/L		0.50	74-87-3	08/20/18 08:55		mglasheen
1,2-Chlorotoluene	< 0.50	ug/L		0.50	95-49-8	08/20/18 08:55		mglasheen
1,4-Chlorotoluene	< 0.50	ug/L		0.50	106-43-4	08/20/18 08:55		mglasheen
Dibromochloromethane	< 0.50	ug/L		0.50	124-48-1	08/20/18 08:55		mglasheen
Dibromomethane	< 0.50	ug/L		0.50	74-95-3	08/20/18 08:55		mglasheen
1,3-Dichlorobenzene	< 0.50	ug/L		0.50	541-73-1	08/20/18 08:55		mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-34-3	08/20/18 08:55		mglasheen
1,3-Dichloropropane	< 0.50	ug/L		0.50	142-28-9	08/20/18 08:55		mglasheen
2,2-Dichloropropane	< 0.50	ug/L		0.50	590-20-7	08/20/18 08:55		mglasheen
1,1-Dichloropropene	< 0.50	ug/L		0.50	563-58-6	08/20/18 08:55		mglasheen
cis-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-01-5	08/20/18 08:55		mglasheen
trans-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-02-6	08/20/18 08:55		mglasheen
1,1,1,2-Tetrachloroethane	< 0.50	ug/L		0.50	630-20-6	08/20/18 08:55		mglasheen
1,1,2,2-Tetrachloroethane	< 0.50	ug/L		0.50	79-34-5	08/20/18 08:55		mglasheen
1,2,3-Trichloropropane	< 0.50	ug/L		0.50	96-18-4	08/20/18 08:55		mglasheen

Lab # 18013105-003

Sample ID: Well #10

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Astbury Water
Technology, Inc.

5940 West Raymond Street, Indianapolis, IN 46241

317-328-7153, Fax: 317-290-1670
AstburyWaterTechnology.com

Regulated & Unreg. VOCs - Drinking Water

Analytical Method Prep Method Prep Date By
 EPA 524.2

Parameter	Result	Units	Quant.		CAS #	Analysis Date		By
			Qual	Limit				
Methyl-tert-butylether	< 0.50	ug/L		0.50	1634-04-4	08/20/18	08:55	mglasheen
1,2-Dichloroethane-d4 (Surr)	94	%			17060-07-0	08/20/18	08:55	mglasheen
Toluene-d8 (Surr)	103	%			2037-26-5	08/20/18	08:55	mglasheen
4-Bromofluorobenzene (Surr)	94	%			460-00-4	08/20/18	08:55	mglasheen

Lab # 18013105-003

Sample ID: Well #10

Page 6 of 8



**Astbury Water
 Technology, Inc.**

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
 AstburyWaterTechnology.com

Our Lab # 18013105-004

Your Sample ID: Well #11

Sample Composition: Grab

Your Project # IN5262004

Collection Date: 08/16/18 08:55

Your Project Name: Tell City Water

Collected By: Client

Sample Type: Drinking Water

Receipt Date: 08/17/18 12:00

Regulated & Unreg. VOCs - Drinking Water

Analytical Method EPA 524.2
Prep Method
Prep Date By

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Benzene	< 0.50	ug/L		0.50	71-43-2	08/20/18 08:55	mglasheen
Carbon tetrachloride	< 0.50	ug/L		0.50	56-23-5	08/20/18 08:55	mglasheen
Chlorobenzene	< 0.50	ug/L		0.50	108-90-7	08/20/18 08:55	mglasheen
1,2-Dichlorobenzene	< 0.50	ug/L		0.50	95-50-1	08/20/18 08:55	mglasheen
1,4-Dichlorobenzene	< 0.50	ug/L		0.50	106-46-7	08/20/18 08:55	mglasheen
1,2-Dichloroethane	< 0.50	ug/L		0.50	107-06-2	08/20/18 08:55	mglasheen
1,1-Dichloroethene	< 0.50	ug/L		0.50	75-35-4	08/20/18 08:55	mglasheen
cis-1,2-Dichloroethene	< 0.50	ug/L		0.50	156-59-2	08/20/18 08:55	mglasheen
trans-1,2-Dichloroethene	< 0.50	ug/L		0.50	156-60-5	08/20/18 08:55	mglasheen
Methylene chloride	< 0.50	ug/L		0.50	75-09-2	08/20/18 08:55	mglasheen
1,2-Dichloropropane	< 0.50	ug/L		0.50	78-87-5	08/20/18 08:55	mglasheen
Ethylbenzene	< 0.50	ug/L		0.50	100-41-4	08/20/18 08:55	mglasheen
Styrene	< 0.50	ug/L		0.50	100-42-5	08/20/18 08:55	mglasheen
Tetrachloroethene	< 0.50	ug/L		0.50	127-18-4	08/20/18 08:55	mglasheen
Toluene	< 0.50	ug/L		0.50	108-88-3	08/20/18 08:55	mglasheen
1,2,4-Trichlorobenzene	< 0.50	ug/L		0.50	120-82-1	08/20/18 08:55	mglasheen
1,1,1-Trichloroethane	< 0.50	ug/L		0.50	71-55-6	08/20/18 08:55	mglasheen
1,1,2-Trichloroethane	< 0.50	ug/L		0.50	79-00-5	08/20/18 08:55	mglasheen
Trichloroethene	< 0.50	ug/L		0.50	79-01-6	08/20/18 08:55	mglasheen
Vinyl chloride	< 0.50	ug/L		0.50	75-01-4	08/20/18 08:55	mglasheen
Xylene, Total	< 0.50	ug/L		0.50	1330-20-7	08/20/18 08:55	mglasheen
Bromobenzene	< 0.50	ug/L		0.50	108-86-1	08/20/18 08:55	mglasheen
Bromodichloromethane	< 0.50	ug/L		0.50	75-27-4	08/20/18 08:55	mglasheen
Bromoform	< 0.50	ug/L		0.50	75-25-2	08/20/18 08:55	mglasheen
Bromomethane	< 0.50	ug/L		0.50	74-83-9	08/20/18 08:55	mglasheen
Chloroethane	< 0.50	ug/L		0.50	75-00-3	08/20/18 08:55	mglasheen
Chloroform	< 0.50	ug/L		0.50	67-66-3	08/20/18 08:55	mglasheen
Chloromethane	< 0.50	ug/L		0.50	74-87-3	08/20/18 08:55	mglasheen
1,2-Chlorotoluene	< 0.50	ug/L		0.50	95-49-8	08/20/18 08:55	mglasheen
1,4-Chlorotoluene	< 0.50	ug/L		0.50	106-43-4	08/20/18 08:55	mglasheen
Dibromochloromethane	< 0.50	ug/L		0.50	124-48-1	08/20/18 08:55	mglasheen
Dibromomethane	< 0.50	ug/L		0.50	74-95-3	08/20/18 08:55	mglasheen
1,3-Dichlorobenzene	< 0.50	ug/L		0.50	541-73-1	08/20/18 08:55	mglasheen
1,1-Dichloroethane	< 0.50	ug/L		0.50	75-34-3	08/20/18 08:55	mglasheen
1,3-Dichloropropane	< 0.50	ug/L		0.50	142-28-9	08/20/18 08:55	mglasheen
2,2-Dichloropropane	< 0.50	ug/L		0.50	590-20-7	08/20/18 08:55	mglasheen
1,1-Dichloropropene	< 0.50	ug/L		0.50	563-58-6	08/20/18 08:55	mglasheen
cis-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-01-5	08/20/18 08:55	mglasheen
trans-1,3-Dichloropropene	< 0.50	ug/L		0.50	10061-02-6	08/20/18 08:55	mglasheen
1,1,1,2-Tetrachloroethane	< 0.50	ug/L		0.50	630-20-6	08/20/18 08:55	mglasheen
1,1,2,2-Tetrachloroethane	< 0.50	ug/L		0.50	79-34-5	08/20/18 08:55	mglasheen
1,2,3-Trichloropropane	< 0.50	ug/L		0.50	96-18-4	08/20/18 08:55	mglasheen

Lab # 18013105-004

Sample ID: Well #11

Page 7 of 8



Astbury Water Technology, Inc.

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
AstburyWaterTechnology.com

Regulated & Unreg. VOCs - Drinking Water

Analytical Method Prep Method Prep Date By
 EPA 524.2

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Methyl-tert-butylether	< 0.50	ug/L		0.50	1634-04-4	08/20/18 08:55	mglasheen
1,2-Dichloroethane-d4 (Surr)	96	%			17060-07-0	08/20/18 08:55	mglasheen
Toluene-d8 (Surr)	100	%			2037-26-5	08/20/18 08:55	mglasheen
4-Bromofluorobenzene (Surr)	99	%			460-00-4	08/20/18 08:55	mglasheen

Ray C. B.

8/22/2018

Lab Manager

Date

Lab # 18013105-004

Sample ID: Well #11

Page 8 of 8



Astbury Water Technology, Inc.

5940 West Raymond Street, Indianapolis, IN 46241

ORIGINAL REPORT

317-328-7153, Fax: 317-290-1670
 AstburyWaterTechnology.com

Astbury Water Technology, Inc.

2500 LINCOLN DR. SUITE A CLARKSVILLE, IN 47129
 Phone: 812-282-8481 Fax 812-282-8554

For Lab Use Only	COC #:	Stamp Here
Order Number:	2018080335	110046
Client #:	7635	Quote #:

VOC DRINKING WATER CHAIN OF CUSTODY

Client: Tell City Water	Client Contact: Dale Poole	Cell phone#:
Address: 700 Main Street	Phone# (812) 548-4044	Fax#:
City: Tell City	State: IN	Zip Code: 47586
	PO#:	PW# 5262004

Sample Location /ID	Sample Number	Container Number	Date Collected	Collection Time	Sample Matrix	Grab or Composite	Sample Temp. (°C)	
Well # 8	4 vials		8-16-18	8:10 AM	DW	GRAB		VOC
Well # 9	4		8-16-18	8:25 AM	DW	Grab		VOC
Well # 10	4		8-16-18	8:40 AM	DW	Grab		VOC
Well # 11	4		8-16-18	8:55 AM	DW	Grab		VOC

Remarks: No Air Bubbles

Sampled By: (Printed) Mark Williams	(Signature): <i>[Signature]</i>	Is this a compliance sample(s)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Received By: (Printed) Stephanie G... (Signature): <i>[Signature]</i>	Date: 8-16-18	Time: 9:06	am or pm
Received By: (Printed) (Signature):	Date: 8-16-18	Time: 1:30	am or pm
Received By: (Printed) (Signature):	Date:	Time:	am or pm
Received By: (Printed) (Signature):	Date:	Time:	am or pm

Matrix Abbreviations:
 WW = Wastewater
 SW = Surface water
 PW = Process water
 DW = Drinking water
 STR = Storm water
 GW = Ground water
 POT = Potable water
 CW = Cooling water
 S = Solid
 Fuel = Fuel oil
 P = Pool
 AIR = Air Particulate
 SL = Sludges
 PC = Paint chips
 WP = Wipes
 SOL = Solvents
 A = Animal Fat
 I = Impinger Fluid
 T = Transform oil/Fuild
 LW = Liquid waste
 SDW = Solid waste
 PT = Paint
 WO = Waste/used oil
 Ink = Ink
 Soil = Soil
 L = Liquid
 Oil = Oil

Chain of Custody



VOLATILE ORGANIC COMPOUNDS (VOC's) IN DRINKING WATER

State Form 53286 (6-07)
 Indiana Department of Environmental Management (IDEM)
 Office of Water Quality - Drinking Water Branch - Compliance Section

INSTRUCTIONS: Please submit completed forms to: IDEM OWQ Drinking Water, Mail Code 66-34, 100 N Senate Ave, Indianapolis, IN 46204-2251

For Laboratory Use Only => (Write dates as MM/DD/YY)

Lab Received: 08/17/18 QA Review Date: 08/21/18 Report Date: 08/21/18 Lab Report Number: 18013105-001

PWSID: IN5262004 System Name: TELL CITY WATER DEPARTMENT

Main Lab Certification: C-49-07 Main/Contracted Laboratory Name: ESG Laboratories, Inc.

Testing Lab ID: C-49-07 Lab Contact Person: DAVITRA KARRICK Contact Phone No: 317-290-1471

Collection Date (MM/DD/YY): 08/16/18 Sample ID: DW Sample POE: Sampling Site/Location: Well #8

Regulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method **	Result (ug/L)	Unit (ug/L)	Detection Level	BDL	MCL (ug/L)
2990	Benzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2982	Carbon Tetrachloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2989	Chlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2968	1,2-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	600
2969	1,4-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	75
2980	1,2-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2977	1,1-Dichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	7
2972	1,2-Dichloroethylene, cis	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2979	1,2-Dichloroethylene, trans	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2964	Dichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2983	1,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2992	Ethylbenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	700
2996	Styrene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2987	Tetrachloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2991	Toluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	1000
2378	1,2,4-Trichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2981	1,1,1-Trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	200
2985	1,1,2-trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2984	Trichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2976	Vinyl Chloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	2
2955	Total Xylenes	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	10000

** See important note on reverse (page 2) if an alternate method was used.

IN5262004

Collection Date (MM/DD/YY):

08.16.18

Unregulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method	Result (ug/L)	Unit (ug/L)	Detection Level	BDL
2993	Bromobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2214	Bromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>	0.9	ug/L	0.5	<input type="checkbox"/>
2216	Chloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2210	Chloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2965	2-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2956	4-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2967	1,3-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2978	1,1-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2412	1,3-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2416	2,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2410	1,1-Dichloropropene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2413	1,3-Dichloropropene (cis & trans)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2986	1,1,1,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2988	1,1,2,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2414	1,2,3-Trichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2408	Dibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2943	Bromodichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2942	Bromoform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2944	Chlorodibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2941	Chloroform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2251	Methy-Tert-Butyl Ether (MTBE)	08.20.18	524.2 <input checked="" type="checkbox"/>	2.9	ug/L	0.5	<input type="checkbox"/>

Other Information:

Does the system chlorinate its water? Yes No
 Was the sample dechlorinated at the lab? Yes No
 Was this information sent to IDEM by the lab? Yes No

Preservative Used:

Iced
 Na2S2O3
 HCl
 Ascorbic Acid
 Other: _____

Completed By: 

Reviewed by: 

Important Notes:

- if an alternate approved method (example, 502.2) was used for the analysis, please indicate the alternate method used here: Alternate Method:
- if a constituent was below detection limits (i.e., not detected), select "BDL" and enter the method detection level (example: 0.5 ug/L) in the column provided.
- Please make every possible effort to print clearly and inside the lines;
- Return completed form to:

Indiana Department of Environmental Management
 Drinking Water Branch - Compliance Section
 100 N Senate Avenue
 Indianapolis, IN 46204-2251



VOLATILE ORGANIC COMPOUNDS (VOC's) IN DRINKING WATER

State Form 53286 (6-07)
 Indiana Department of Environmental Management (IDEM)
 Office of Water Quality - Drinking Water Branch - Compliance Section

INSTRUCTIONS: Please submit completed forms to: IDEM OWQ Drinking Water, Mail Code 66-34, 100 N Senate Ave, Indianapolis, IN 46204-2251

Lab Received: 08/17/18 QA Review Date: 08/21/18 Report Date: 08/21/18 Lab Report Number: 18013105-002

PWSID: IN5262004 System Name: TELL CITY WATER DEPARTMENT

Main Lab Certification: C-49-07 Main/Contracted Laboratory Name: ESG Laboratories, Inc.

Testing Lab ID: C-49-07 Lab Contact Person: DAVITRA KARRICK Contact Phone No: 317-290-1471

Collection Date (MM/DD/YY): 08/16/18 Sample ID: DW Sample POE: Well #9 Sampling Site/Location: Well #9

Regulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method **	Result (ug/L)	Unit (ug/L)	Detection Level	BDL	MCL (ug/L)
2990	Benzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2982	Carbon Tetrachloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2989	Chlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2968	1,2-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	600
2969	1,4-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	75
2980	1,2-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2977	1,1-Dichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	7
2972	1,2-Dichloroethylene, cis	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2979	1,2-Dichloroethylene, trans	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2964	Dichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2983	1,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2992	Ethylbenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	700
2996	Styrene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2987	Tetrachloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2991	Toluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	1000
2378	1,2,4-Trichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2981	1,1,1-Trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	200
2985	1,1,2-trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2984	Trichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2976	Vinyl Chloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	2
2955	Total Xylenes	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	1000

** See important note on reverse (page 2) if an alternate method was used.

IN5262004

Collection Date (MM/DD/YY):
08.16.18

Unregulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method	Result (ug/L)	Unit (ug/L)	Detection Level	BDL
2993	Bromobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2214	Bromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>	0.7	ug/L	0.5	<input type="checkbox"/>
2216	Chloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2210	Chloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2965	2-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2956	4-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2967	1,3-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2978	1,1-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2412	1,3-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2416	2,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2410	1,1-Dichloropropene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2413	1,3-Dichloropropene (cis & trans)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2986	1,1,1,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2988	1,1,2,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2414	1,2,3-Trichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2408	Dibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2943	Bromodichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2942	Bromoform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2944	Chlorodibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2941	Chloroform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2251	Methy-Tert-Butyl Ether (MTBE)	08.20.18	524.2 <input checked="" type="checkbox"/>	8.6	ug/L	0.5	<input type="checkbox"/>

Other Information:

Does the system chlorinate its water? Yes No
 Was the sample dechlorinated at the lab? Yes No
 Was this information sent to IDEM by the lab? Yes No

Preservative Used:

Iced
 Na2S2O3
 HCl
 Ascorbic Acid
 Other:

Completed By: *[Signature]*

Reviewed by: *[Signature]*

Important Notes:

- if an alternate approved method (example, 502.2) was used for the analysis, please indicate the alternate method used here: Alternate Method:
- if a constituent was below detection limits (i.e., not detected), select "BDL" and enter the method detection level (example: 0.5 ug/L) in the column provided.
- Please make every possible effort to print clearly and inside the lines;
- Return completed form to:

Indiana Department of Environmental Management
 Drinking Water Branch - Compliance Section
 100 N Senate Avenue
 Indianapolis, IN 46204-2251



VOLATILE ORGANIC COMPOUNDS (VOC's) IN DRINKING WATER

State Form 53266 (6-07)
 Indiana Department of Environmental Management (IDEM)
 Office of Water Quality - Drinking Water Branch - Compliance Section

INSTRUCTIONS: Please submit completed forms to: IDEM OWQ Drinking Water, Mail Code 66-34, 100 N Senate Ave, Indianapolis, IN 46204-2251

For Laboratory Use Only => (Write dates as MM/DD/YY)

Lab Received: 08/17/18 QA Review Date: 08/21/18 Report Date: 08/21/18 Lab Report Number: 18013105-003

PWSID: IN5262004 System Name: TELL CITY WATER DEPARTMENT

Main Lab Certification: C-49-07 Main/Contracted Laboratory Name: ESG Laboratories, Inc.

Testing Lab ID: C-49-07 Lab Contact Person: DAVITRA KARRICK Contact Phone No: 317-290-1471

Collection Date (MM/DD/YY): 08/16/18 Sample ID: DW Sample POE: Sampling Site/Location: Well #10

Regulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method **	Result (ug/L)	Unit (ug/L)	Detection Level	BDL	MCL (ug/L)
2990	Benzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2982	Carbon Tetrachloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2989	Chlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2968	1,2-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	600
2969	1,4-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	75
2980	1,2-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2977	1,1-Dichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	7
2972	1,2-Dichloroethylene, cis	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2979	1,2-Dichloroethylene, trans	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2964	Dichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2983	1,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2992	Ethylbenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	700
2996	Styrene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	100
2987	Tetrachloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2991	Toluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	1000
2378	1,2,4-Trichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	70
2981	1,1,1-Trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	200
2985	1,1,2-trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2984	Trichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	5
2976	Vinyl Chloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	2
2955	Total Xylenes	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>	10000

** See important note on reverse (page 2) if an alternate method was used.

IN5262004

Collection Date (MM/DD/YY):

08.16.18

Unregulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method	Result (ug/L)	Unit (ug/L)	Detection Level	BDL
2993	Bromobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2214	Bromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2216	Chloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2210	Chloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2965	2-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2956	4-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2967	1,3-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2978	1,1-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2412	1,3-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2416	2,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2410	1,1-Dichloropropene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2413	1,3-Dichloropropene (cis & trans)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2986	1,1,1,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2988	1,1,1,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2414	1,2,3-Trichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2408	Dibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2943	Bromodichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2942	Bromoform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2944	Chlorodibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2941	Chloroform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2251	Methy-Tert-Butyl Ether (MTBE)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>

Other Information:

- Does the system chlorinate its water? Yes No
- Was the sample dechlorinated at the lab? Yes No
- Was this information sent to IDEM by the lab? Yes No

Preservative Used:

- Iced
- Na2S2O3
- HCl
- Ascorbic Acid
- Other: _____

Completed By: 

Reviewed by: 

Important Notes:

- if an alternate approved method (example, 502.2) was used for the analysis, please indicate the alternate method used here: Alternate Method:
- if a constituent was below detection limits (i.e., not detected), select "BDL" and enter the method detection level (example: 0.5 ug/L) in the column provided.
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- Return completed form to:

Indiana Department of Environmental Management
 Drinking Water Branch - Compliance Section
 100 N Senate Avenue
 Indianapolis, IN 46204-2251



VOLATILE ORGANIC COMPOUNDS (VOC's) IN DRINKING WATER

State Form 53286 (6-07)
 Indiana Department of Environmental Management (IDEM)
 Office of Water Quality - Drinking Water Branch - Compliance Section



INSTRUCTIONS: Please submit completed forms to: IDEM OWQ Drinking Water, Mail Code 66-34, 100 N Senate Ave, Indianapolis, IN 46204-2251

For Laboratory Use Only => (Write dates as MM/DD/YY) Lab Received: 08/17/18 QA Review Date: 08/21/18 Report Date: 08/21/18 Lab Report Number: 18013105-004

PWSID: IN5262004 System Name: TELL CITY WATER DEPARTMENT

Main Lab Certification: C-49-07 Main/Contracted Laboratory Name: ESG Laboratories, Inc.

Testing Lab ID: C-49-07 Lab Contact Person: DAVITRA KARRICK Contact Phone No: 317-290-1471

Collection Date (MM/DD/YY): 08/16/18 Sample ID: DW Sample POE: Well #11 Sampling Site/Location:

Regulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method **	Result (ug/L)	Unit (ug/L)	Detection Level	BDL	MCL (ug/L)
2990	Benzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2982	Carbon Tetrachloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2989	Chlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		100
2968	1,2-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		600
2969	1,4-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		75
2980	1,2-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2977	1,1-Dichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		7
2972	1,2-Dichloroethylene, cis	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		70
2979	1,2-Dichloroethylene, trans	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		100
2964	Dichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2983	1,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2992	Ethylbenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		700
2996	Styrene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		100
2987	Tetrachloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2991	Toluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		1000
2378	1,2,4-Trichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		70
2981	1,1,1-Trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		200
2985	1,1,2-trichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2984	Trichloroethylene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		5
2976	Vinyl Chloride	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		2
2955	Total Xylenes	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5 <input checked="" type="checkbox"/>		10000

** See important note on reverse (page 2) if an alternate method was used.

IN5262004

Collection Date (MM/DD/YY):
08.16.18

Unregulated VOCs

Comp ID#	Compound Name	Analysis Date (MM.DD.YY)	Approved Method	Result (ug/L)	Unit (ug/L)	Detection Level	BDL
2993	Bromobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2214	Bromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2216	Chloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2210	Chloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2965	2-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2956	4-Chlorotoluene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2967	1,3-Dichlorobenzene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2978	1,1-Dichloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2412	1,3-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2416	2,2-Dichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2410	1,1-Dichloropropene	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2413	1,3-Dichloropropene (cis & trans)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2986	1,1,1,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2988	1,1,2,2-Tetrachloroethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2414	1,2,3-Trichloropropane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2408	Dibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2943	Bromodichloromethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2942	Bromoform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2944	Chlorodibromomethane	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2941	Chloroform	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>
2251	Methy-Tert-Butyl Ether (MTBE)	08.20.18	524.2 <input checked="" type="checkbox"/>		ug/L	0.5	<input checked="" type="checkbox"/>

Other Information:

Does the system chlorinate its water? Yes No
 Was the sample dechlorinated at the lab? Yes No
 Was this information sent to IDEM by the lab? Yes No

Preservative Used:

Iced
 Na2S2O3
 HCl
 Ascorbic Acid
 Other:

Completed By: *[Signature]*

Reviewed by: *[Signature]*

Important Notes:

- if an alternate approved method (example, 502.2) was used for the analysis, please indicate the alternate method used here: Alternate Method:
- if a constituent was below detection limits (i.e., not detected), select "BDL" and enter the method detection level (example: 0.5 ug/L) in the column provided.
- Please make every possible effort to print clearly and inside the lines;
- Return completed form to:

Indiana Department of Environmental Management
 Drinking Water Branch - Compliance Section
 100 N Senate Avenue
 Indianapolis, IN 46204-2251

August 29, 2018

Mr. Daniel Petzold
Arcadis
150 West Market Street
Suite 700
Indianapolis, IN 46204

RE: Project: GE Tell City
Pace Project No.: 50204260

Dear Mr. Petzold:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2018. 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,



Kelly Jones
kelly.jones@pacelabs.com
(317)228-3100
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: GE Tell City

Pace Project No.: 50204260

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2017-124

Texas Certification #: T104704355-18-12

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: GE Tell City

Pace Project No.: 50204260

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50204260001	AP-70 (61-65)(082318)	Water	08/23/18 13:30	08/24/18 17:30
50204260002	AP-70 (51-55)(082318)	Water	08/23/18 13:50	08/24/18 17:30
50204260003	AP-70 (41-45)(082318)	Water	08/23/18 14:10	08/24/18 17:30
50204260004	AP-71 (61-65)(082318)	Water	08/23/18 15:15	08/24/18 17:30
50204260005	AP-71 (51-55)(082318)	Water	08/23/18 15:25	08/24/18 17:30
50204260006	AP-71 (41-45)(082318)	Water	08/23/18 15:30	08/24/18 17:30
50204260007	AP-72 (61-65)(082318)	Water	08/23/18 16:15	08/24/18 17:30
50204260008	AP-72 (51-55)(082318)	Water	08/23/18 16:30	08/24/18 17:30
50204260009	AP-72 (41-45)(082318)	Water	08/23/18 16:50	08/24/18 17:30
50204260010	Dup-1 (082318)	Water	08/23/18 08:00	08/24/18 17:30
50204260011	Trip Blank	Water	08/23/18 08:00	08/24/18 17:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GE Tell City

Pace Project No.: 50204260

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50204260001	AP-70 (61-65)(082318)	EPA 5030/8260	CAP	75
50204260002	AP-70 (51-55)(082318)	EPA 5030/8260	CAP	75
50204260003	AP-70 (41-45)(082318)	EPA 5030/8260	CAP	75
50204260004	AP-71 (61-65)(082318)	EPA 5030/8260	CAP	75
50204260005	AP-71 (51-55)(082318)	EPA 5030/8260	CAP	75
50204260006	AP-71 (41-45)(082318)	EPA 5030/8260	CAP	75
50204260007	AP-72 (61-65)(082318)	EPA 5030/8260	CAP	75
50204260008	AP-72 (51-55)(082318)	EPA 5030/8260	CAP	75
50204260009	AP-72 (41-45)(082318)	EPA 5030/8260	CAP	75
50204260010	Dup-1 (082318)	EPA 5030/8260	CAP	75
50204260011	Trip Blank	EPA 5030/8260	CAP	75

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: GE Tell City

Pace Project No.: 50204260

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50204260006	AP-71 (41-45)(082318)					
EPA 5030/8260	cis-1,2-Dichloroethene	10.5	ug/L	5.0	08/28/18 14:39	
EPA 5030/8260	trans-1,2-Dichloroethene	8.6	ug/L	5.0	08/28/18 14:39	
EPA 5030/8260	Trichloroethene	252	ug/L	5.0	08/28/18 14:39	
50204260008	AP-72 (51-55)(082318)					
EPA 5030/8260	cis-1,2-Dichloroethene	230	ug/L	5.0	08/28/18 16:16	M1
EPA 5030/8260	Vinyl chloride	2.4	ug/L	2.0	08/28/18 16:16	
50204260009	AP-72 (41-45)(082318)					
EPA 5030/8260	cis-1,2-Dichloroethene	14.3	ug/L	5.0	08/28/18 16:48	
EPA 5030/8260	Trichloroethene	293	ug/L	5.0	08/28/18 16:48	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (61-65)(082318)	Lab ID: 50204260001	Collected: 08/23/18 13:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 07:36	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 07:36	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 07:36	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 07:36	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 07:36	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 07:36	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 07:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 07:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 07:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 07:36	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 07:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 07:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 07:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 07:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 07:36	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 07:36	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 07:36	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 07:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 07:36	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 07:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 07:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 07:36	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 07:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 07:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 07:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 07:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 07:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 07:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 07:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 07:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 07:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 07:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 07:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 07:36	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 07:36	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 07:36	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 07:36	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 07:36	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 07:36	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (61-65)(082318)	Lab ID: 50204260001	Collected: 08/23/18 13:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 07:36	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 07:36	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 07:36	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 07:36	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 07:36	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 07:36	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 07:36	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 07:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 07:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 07:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 07:36	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 07:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 07:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 07:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 07:36	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 07:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 07:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 07:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 07:36	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 07:36	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 07:36	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 07:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 07:36	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		08/28/18 07:36	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 07:36	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (51-55)(082318)	Lab ID: 50204260002	Collected: 08/23/18 13:50	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 08:08	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 08:08	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 08:08	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 08:08	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 08:08	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 08:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 08:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 08:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 08:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 08:08	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 08:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 08:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 08:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 08:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 08:08	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 08:08	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 08:08	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 08:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 08:08	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 08:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 08:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 08:08	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 08:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 08:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 08:08	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 08:08	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 08:08	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 08:08	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 08:08	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 08:08	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (51-55)(082318)	Lab ID: 50204260002	Collected: 08/23/18 13:50	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 08:08	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 08:08	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 08:08	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 08:08	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 08:08	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 08:08	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 08:08	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 08:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 08:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 08:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 08:08	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 08:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 08:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 08:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 08:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 08:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 08:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 08:08	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 08:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 08:08	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 08:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 08:08	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 08:08	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 08:08	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (41-45)(082318)	Lab ID: 50204260003	Collected: 08/23/18 14:10	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 08:41	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 08:41	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 08:41	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 08:41	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 08:41	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 08:41	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 08:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 08:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 08:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 08:41	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 08:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 08:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 08:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 08:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 08:41	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 08:41	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 08:41	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 08:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 08:41	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 08:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 08:41	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 08:41	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 08:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 08:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 08:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 08:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 08:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 08:41	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 08:41	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 08:41	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 08:41	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 08:41	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 08:41	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-70 (41-45)(082318)	Lab ID: 50204260003	Collected: 08/23/18 14:10	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 08:41	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 08:41	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 08:41	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 08:41	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 08:41	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 08:41	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 08:41	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 08:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 08:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 08:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 08:41	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 08:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 08:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 08:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 08:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 08:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 08:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 08:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 08:41	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 08:41	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 08:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 08:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	1		08/28/18 08:41	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 08:41	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 08:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City
Pace Project No.: 50204260

Sample: AP-71 (61-65)(082318)	Lab ID: 50204260004	Collected: 08/23/18 15:15	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 09:13	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 09:13	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 09:13	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 09:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 09:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 09:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 09:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 09:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 09:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 09:13	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 09:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 09:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 09:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 09:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 09:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 09:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 09:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 09:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 09:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 09:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 09:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 09:13	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 09:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 09:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 09:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 09:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 09:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 09:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 09:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 09:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 09:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 09:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 09:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 09:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 09:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 09:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 09:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 09:13	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 09:13	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City
Pace Project No.: 50204260

Sample: AP-71 (61-65)(082318)	Lab ID: 50204260004	Collected: 08/23/18 15:15	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 09:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 09:13	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 09:13	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 09:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 09:13	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 09:13	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 09:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 09:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 09:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 09:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 09:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 09:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 09:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 09:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 09:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 09:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 09:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 09:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 09:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 09:13	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 09:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 09:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		08/28/18 09:13	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 09:13	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		08/28/18 09:13	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-71 (51-55)(082318)	Lab ID: 50204260005	Collected: 08/23/18 15:25	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 14:07	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 14:07	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 14:07	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 14:07	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 14:07	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 14:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 14:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 14:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 14:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 14:07	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 14:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 14:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 14:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 14:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 14:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 14:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 14:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 14:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 14:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 14:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 14:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 14:07	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 14:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 14:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 14:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 14:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 14:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 14:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 14:07	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 14:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 14:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 14:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 14:07	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-71 (51-55)(082318)		Lab ID: 50204260005		Collected: 08/23/18 15:25		Received: 08/24/18 17:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Indiana		Analytical Method: EPA 5030/8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 14:07	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 14:07	75-09-2		
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 14:07	90-12-0	L1,N2	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 14:07	91-57-6	L1	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 14:07	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 14:07	1634-04-4		
Naphthalene	ND	ug/L	1.7	1		08/28/18 14:07	91-20-3		
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	103-65-1		
Styrene	ND	ug/L	5.0	1		08/28/18 14:07	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 14:07	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 14:07	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 14:07	127-18-4		
Toluene	ND	ug/L	5.0	1		08/28/18 14:07	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 14:07	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 14:07	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		08/28/18 14:07	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 14:07	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 14:07	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 14:07	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 14:07	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 14:07	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 14:07	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 14:07	1868-53-7		
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 14:07	460-00-4		
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 14:07	2037-26-5		

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-71 (41-45)(082318)	Lab ID: 50204260006	Collected: 08/23/18 15:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 14:39	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 14:39	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 14:39	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 14:39	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 14:39	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 14:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 14:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 14:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 14:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 14:39	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 14:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 14:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 14:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 14:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 14:39	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 14:39	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 14:39	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 14:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 14:39	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 14:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 14:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 14:39	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 14:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 14:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 14:39	75-35-4	
cis-1,2-Dichloroethene	10.5	ug/L	5.0	1		08/28/18 14:39	156-59-2	
trans-1,2-Dichloroethene	8.6	ug/L	5.0	1		08/28/18 14:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 14:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 14:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 14:39	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 14:39	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 14:39	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 14:39	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 14:39	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 14:39	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-71 (41-45)(082318)	Lab ID: 50204260006	Collected: 08/23/18 15:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 14:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 14:39	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 14:39	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 14:39	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 14:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 14:39	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 14:39	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 14:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 14:39	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 14:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 14:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 14:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 14:39	79-00-5	
Trichloroethene	252	ug/L	5.0	1		08/28/18 14:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 14:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 14:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 14:39	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 14:39	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 14:39	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 14:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 14:39	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 14:39	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 14:39	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City
Pace Project No.: 50204260

Sample: AP-72 (61-65)(082318)	Lab ID: 50204260007	Collected: 08/23/18 16:15	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 15:12	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 15:12	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 15:12	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 15:12	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 15:12	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 15:12	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 15:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 15:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 15:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 15:12	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 15:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 15:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 15:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 15:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 15:12	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 15:12	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 15:12	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 15:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 15:12	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 15:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 15:12	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 15:12	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 15:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 15:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 15:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 15:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 15:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 15:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 15:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 15:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 15:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 15:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 15:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 15:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 15:12	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 15:12	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 15:12	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 15:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 15:12	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-72 (61-65)(082318)	Lab ID: 50204260007	Collected: 08/23/18 16:15	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 15:12	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 15:12	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 15:12	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 15:12	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 15:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 15:12	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 15:12	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 15:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 15:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 15:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 15:12	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 15:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 15:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 15:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 15:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 15:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 15:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 15:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 15:12	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 15:12	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 15:12	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 15:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 15:12	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/28/18 15:12	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		08/28/18 15:12	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-72 (51-55)(082318)	Lab ID: 50204260008	Collected: 08/23/18 16:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 16:16	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 16:16	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 16:16	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 16:16	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 16:16	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 16:16	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 16:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 16:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 16:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 16:16	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 16:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 16:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 16:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 16:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 16:16	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 16:16	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 16:16	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 16:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 16:16	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 16:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 16:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 16:16	75-71-8	L1,M0
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 16:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 16:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 16:16	75-35-4	
cis-1,2-Dichloroethene	230	ug/L	5.0	1		08/28/18 16:16	156-59-2	M1
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 16:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 16:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 16:16	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 16:16	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 16:16	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 16:16	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 16:16	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-72 (51-55)(082318)	Lab ID: 50204260008	Collected: 08/23/18 16:30	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 16:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 16:16	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 16:16	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 16:16	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 16:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 16:16	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 16:16	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 16:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 16:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 16:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 16:16	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 16:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 16:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 16:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 16:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 16:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 16:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 16:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 16:16	108-05-4	
Vinyl chloride	2.4	ug/L	2.0	1		08/28/18 16:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 16:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 16:16	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	85-111	1		08/28/18 16:16	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		08/28/18 16:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-72 (41-45)(082318) Lab ID: 50204260009 Collected: 08/23/18 16:50 Received: 08/24/18 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 16:48	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 16:48	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 16:48	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 16:48	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 16:48	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 16:48	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 16:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 16:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 16:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 16:48	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 16:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 16:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 16:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 16:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 16:48	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 16:48	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 16:48	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 16:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 16:48	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 16:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 16:48	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 16:48	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 16:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 16:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 16:48	75-35-4	
cis-1,2-Dichloroethene	14.3	ug/L	5.0	1		08/28/18 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 16:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 16:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 16:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 16:48	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 16:48	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 16:48	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 16:48	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 16:48	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 16:48	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: AP-72 (41-45)(082318)	Lab ID: 50204260009	Collected: 08/23/18 16:50	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 16:48	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 16:48	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 16:48	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 16:48	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 16:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 16:48	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 16:48	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 16:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 16:48	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 16:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 16:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 16:48	79-00-5	
Trichloroethene	293	ug/L	5.0	1		08/28/18 16:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 16:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 16:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 16:48	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 16:48	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 16:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 16:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		08/28/18 16:48	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		08/28/18 16:48	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		08/28/18 16:48	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: Dup-1 (082318)	Lab ID: 50204260010	Collected: 08/23/18 08:00	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 17:21	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 17:21	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 17:21	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 17:21	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 17:21	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 17:21	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 17:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 17:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 17:21	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 17:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 17:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 17:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 17:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 17:21	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 17:21	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 17:21	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 17:21	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 17:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 17:21	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 17:21	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 17:21	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 17:21	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 17:21	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 17:21	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 17:21	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 17:21	98-82-8	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: Dup-1 (082318)		Lab ID: 50204260010		Collected: 08/23/18 08:00	Received: 08/24/18 17:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 17:21	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 17:21	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 17:21	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 17:21	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 17:21	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 17:21	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 17:21	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 17:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 17:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 17:21	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 17:21	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 17:21	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 17:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		08/28/18 17:21	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		08/28/18 17:21	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		08/28/18 17:21	2037-26-5	

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: Trip Blank	Lab ID: 50204260011	Collected: 08/23/18 08:00	Received: 08/24/18 17:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
Acetone	ND	ug/L	100	1		08/28/18 17:53	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/28/18 17:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/28/18 17:53	107-13-1	
Benzene	ND	ug/L	5.0	1		08/28/18 17:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/28/18 17:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/28/18 17:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/28/18 17:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/28/18 17:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/18 17:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/28/18 17:53	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/28/18 17:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/28/18 17:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/28/18 17:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/28/18 17:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/28/18 17:53	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 17:53	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/28/18 17:53	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/28/18 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/28/18 17:53	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/28/18 17:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/28/18 17:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/28/18 17:53	75-71-8	L1
1,1-Dichloroethane	ND	ug/L	5.0	1		08/28/18 17:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/28/18 17:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/28/18 17:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/28/18 17:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/28/18 17:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/28/18 17:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/28/18 17:53	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/28/18 17:53	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/28/18 17:53	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/28/18 17:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/28/18 17:53	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE Tell City

Pace Project No.: 50204260

Sample: Trip Blank		Lab ID: 50204260011	Collected: 08/23/18 08:00	Received: 08/24/18 17:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana		Analytical Method: EPA 5030/8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/28/18 17:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 17:53	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 17:53	90-12-0	L1,N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/28/18 17:53	91-57-6	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/28/18 17:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 17:53	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/28/18 17:53	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	103-65-1	
Styrene	ND	ug/L	5.0	1		08/28/18 17:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 17:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/28/18 17:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/28/18 17:53	127-18-4	
Toluene	ND	ug/L	5.0	1		08/28/18 17:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/28/18 17:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/28/18 17:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/28/18 17:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/28/18 17:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/28/18 17:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/28/18 17:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/28/18 17:53	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/28/18 17:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/28/18 17:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/28/18 17:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	1		08/28/18 17:53	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		08/28/18 17:53	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		08/28/18 17:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City
Pace Project No.: 50204260

METHOD BLANK: 2118091 Matrix: Water
Associated Lab Samples: 50204260001, 50204260002, 50204260003, 50204260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	5.0	08/28/18 01:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/28/18 01:09	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/28/18 01:09	
Dibromochloromethane	ug/L	ND	5.0	08/28/18 01:09	
Dibromomethane	ug/L	ND	5.0	08/28/18 01:09	
Dichlorodifluoromethane	ug/L	ND	5.0	08/28/18 01:09	
Ethyl methacrylate	ug/L	ND	100	08/28/18 01:09	
Ethylbenzene	ug/L	ND	5.0	08/28/18 01:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/28/18 01:09	
Iodomethane	ug/L	ND	10.0	08/28/18 01:09	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/28/18 01:09	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/28/18 01:09	
Methylene Chloride	ug/L	ND	5.0	08/28/18 01:09	
n-Butylbenzene	ug/L	ND	5.0	08/28/18 01:09	
n-Hexane	ug/L	ND	5.0	08/28/18 01:09	
n-Propylbenzene	ug/L	ND	5.0	08/28/18 01:09	
Naphthalene	ug/L	ND	1.7	08/28/18 01:09	
p-Isopropyltoluene	ug/L	ND	5.0	08/28/18 01:09	
sec-Butylbenzene	ug/L	ND	5.0	08/28/18 01:09	
Styrene	ug/L	ND	5.0	08/28/18 01:09	
tert-Butylbenzene	ug/L	ND	5.0	08/28/18 01:09	
Tetrachloroethene	ug/L	ND	5.0	08/28/18 01:09	
Toluene	ug/L	ND	5.0	08/28/18 01:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/28/18 01:09	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/28/18 01:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/28/18 01:09	
Trichloroethene	ug/L	ND	5.0	08/28/18 01:09	
Trichlorofluoromethane	ug/L	ND	5.0	08/28/18 01:09	
Vinyl acetate	ug/L	ND	50.0	08/28/18 01:09	
Vinyl chloride	ug/L	ND	2.0	08/28/18 01:09	
Xylene (Total)	ug/L	ND	10.0	08/28/18 01:09	
4-Bromofluorobenzene (S)	%	99	85-111	08/28/18 01:09	
Dibromofluoromethane (S)	%	101	89-116	08/28/18 01:09	
Toluene-d8 (S)	%	98	87-110	08/28/18 01:09	

LABORATORY CONTROL SAMPLE: 2118092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.8	104	80-120	
1,1,1-Trichloroethane	ug/L	50	52.8	106	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	73-117	
1,1,2-Trichloroethane	ug/L	50	50.7	101	74-119	
1,1-Dichloroethane	ug/L	50	50.3	101	72-119	
1,1-Dichloroethene	ug/L	50	51.3	103	72-123	

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

LABORATORY CONTROL SAMPLE: 2118092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	50.8	102	77-125	
1,2,3-Trichlorobenzene	ug/L	50	47.8	96	74-125	
1,2,3-Trichloropropane	ug/L	50	47.2	94	82-121	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-125	
1,2,4-Trimethylbenzene	ug/L	50	47.3	95	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	80-120	
1,2-Dichlorobenzene	ug/L	50	48.7	97	77-117	
1,2-Dichloroethane	ug/L	50	53.5	107	69-122	
1,2-Dichloropropane	ug/L	50	53.0	106	75-124	
1,3,5-Trimethylbenzene	ug/L	50	48.6	97	75-117	
1,3-Dichlorobenzene	ug/L	50	48.0	96	76-116	
1,3-Dichloropropane	ug/L	50	51.6	103	82-118	
1,4-Dichlorobenzene	ug/L	50	46.3	93	74-115	
1-Methylnaphthalene	ug/L	50	48.7	97	70-130	N2
2,2-Dichloropropane	ug/L	50	41.5	83	51-133	
2-Butanone (MEK)	ug/L	250	235	94	72-147	
2-Chlorotoluene	ug/L	50	49.3	99	73-113	
2-Hexanone	ug/L	250	241	96	71-132	
2-Methylnaphthalene	ug/L	50	46.9	94	69-123	
4-Chlorotoluene	ug/L	50	48.8	98	78-118	
4-Methyl-2-pentanone (MIBK)	ug/L	250	219	88	89-128	L2
Acetone	ug/L	250	271	109	46-170	
Acrolein	ug/L	1000	1240	124	13-200	
Acrylonitrile	ug/L	200	219	109	65-130	
Benzene	ug/L	50	49.8	100	78-117	
Bromobenzene	ug/L	50	41.9	84	66-126	
Bromochloromethane	ug/L	50	50.1	100	76-120	
Bromodichloromethane	ug/L	50	52.4	105	76-120	
Bromoform	ug/L	50	49.4	99	70-124	
Bromomethane	ug/L	50	39.4	79	29-181	
Carbon disulfide	ug/L	50	46.4	93	66-123	
Carbon tetrachloride	ug/L	50	51.4	103	73-132	
Chlorobenzene	ug/L	50	48.5	97	79-112	
Chloroethane	ug/L	50	58.2	116	59-156	
Chloroform	ug/L	50	51.0	102	76-118	
Chloromethane	ug/L	50	40.4	81	45-142	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	75-117	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	77-120	
Dibromochloromethane	ug/L	50	52.4	105	78-123	
Dibromomethane	ug/L	50	56.1	112	78-122	
Dichlorodifluoromethane	ug/L	50	99.2	198	41-168	L1
Ethyl methacrylate	ug/L	200	222	111	75-128	
Ethylbenzene	ug/L	50	49.8	100	80-118	
Hexachloro-1,3-butadiene	ug/L	50	48.0	96	73-125	
Iodomethane	ug/L	100	66.6	67	35-174	
Isopropylbenzene (Cumene)	ug/L	50	50.8	102	81-117	
Methyl-tert-butyl ether	ug/L	50	53.1	106	71-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

LABORATORY CONTROL SAMPLE: 2118092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	46.7	93	59-136	
n-Butylbenzene	ug/L	50	47.6	95	72-118	
n-Hexane	ug/L	50	49.1	98	60-128	
n-Propylbenzene	ug/L	50	47.3	95	75-120	
Naphthalene	ug/L	50	47.3	95	67-126	
p-Isopropyltoluene	ug/L	50	48.7	97	75-115	
sec-Butylbenzene	ug/L	50	48.0	96	76-120	
Styrene	ug/L	50	51.3	103	74-121	
tert-Butylbenzene	ug/L	50	38.7	77	55-109	
Tetrachloroethene	ug/L	50	48.6	97	76-116	
Toluene	ug/L	50	48.3	97	77-115	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	75-121	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	77-121	
trans-1,4-Dichloro-2-butene	ug/L	200	177	89	42-128	
Trichloroethene	ug/L	50	49.5	99	76-120	
Trichlorofluoromethane	ug/L	50	52.4	105	81-141	
Vinyl acetate	ug/L	200	204	102	67-131	
Vinyl chloride	ug/L	50	56.3	113	64-155	
Xylene (Total)	ug/L	150	145	97	78-118	
4-Bromofluorobenzene (S)	%			106	85-111	
Dibromofluoromethane (S)	%			104	89-116	
Toluene-d8 (S)	%			99	87-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2118093 2118094

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		50204106002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	48.7	51.5	97	103	48-138	6	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	52.6	58.3	105	117	50-141	10	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	39.9	44.4	80	89	52-131	11	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.5	49.9	91	100	53-131	9	20	
1,1-Dichloroethane	ug/L	ND	50	50	49.0	52.8	96	103	51-130	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.0	58.1	104	116	51-138	11	20	
1,1-Dichloropropene	ug/L	ND	50	50	49.9	54.5	100	109	47-143	9	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	39.7	46.2	79	92	26-143	15	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	43.2	46.1	86	92	60-136	7	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	41.2	48.1	82	96	20-142	16	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	42.6	47.7	84	95	19-148	11	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.3	50.6	95	101	57-134	7	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	42.5	47.9	85	96	30-142	12	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.2	53.8	98	108	46-139	9	20	
1,2-Dichloropropane	ug/L	ND	50	50	49.7	53.2	99	106	54-135	7	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	44.1	48.0	88	96	16-149	8	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	42.6	46.8	85	94	24-142	9	20	
1,3-Dichloropropane	ug/L	ND	50	50	47.1	51.0	94	102	59-134	8	20	

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2118093			2118094									
Parameter	Units	50204106002 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual	
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		RPD
1,4-Dichlorobenzene	ug/L	ND	50	50	41.2	45.7	82	91	24-140	10	20	
1-Methylnaphthalene	ug/L	ND	50	50	39.0	49.2	76	96	44-135	23	20 N2,R1	
2,2-Dichloropropane	ug/L	ND	50	50	35.9	39.4	72	79	24-138	9	20	
2-Butanone (MEK)	ug/L	ND	250	250	203	226	81	90	49-156	11	20	
2-Chlorotoluene	ug/L	ND	50	50	44.4	49.3	89	99	21-143	10	20	
2-Hexanone	ug/L	ND	250	250	205	227	82	91	53-140	10	20	
2-Methylnaphthalene	ug/L	ND	50	50	36.0	46.0	71	91	33-137	24	20 R1	
4-Chlorotoluene	ug/L	ND	50	50	43.5	48.0	87	96	23-147	10	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	189	210	76	84	50-139	10	20	
Acetone	ug/L	ND	250	250	220	260	87	103	34-160	16	20	
Acrolein	ug/L	ND	1000	1000	891	981	89	98	30-178	10	20	
Acrylonitrile	ug/L	ND	200	200	183	211	91	106	54-136	15	20	
Benzene	ug/L	ND	50	50	47.8	51.5	96	103	50-135	8	20	
Bromobenzene	ug/L	ND	50	50	38.8	41.4	78	83	28-147	6	20	
Bromochloromethane	ug/L	ND	50	50	46.4	49.7	93	99	54-138	7	20	
Bromodichloromethane	ug/L	ND	50	50	48.7	52.6	97	105	50-135	8	20	
Bromoform	ug/L	ND	50	50	42.4	45.1	85	90	43-133	6	20	
Bromomethane	ug/L	ND	50	50	28.7	39.8	57	80	15-170	32	20 R1	
Carbon disulfide	ug/L	ND	50	50	45.2	49.1	90	98	36-139	8	20	
Carbon tetrachloride	ug/L	ND	50	50	52.1	55.9	104	112	43-151	7	20	
Chlorobenzene	ug/L	ND	50	50	45.2	48.7	90	97	39-135	7	20	
Chloroethane	ug/L	ND	50	50	55.6	60.1	111	120	42-165	8	20	
Chloroform	ug/L	ND	50	50	48.4	51.1	97	102	52-134	5	20	
Chloromethane	ug/L	ND	50	50	35.9	41.1	72	82	33-146	13	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	49.3	54.8	99	110	48-133	10	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.8	46.4	88	93	46-131	6	20	
Dibromochloromethane	ug/L	ND	50	50	47.2	50.5	94	101	50-139	7	20	
Dibromomethane	ug/L	ND	50	50	52.6	57.1	105	114	55-137	8	20	
Dichlorodifluoromethane	ug/L	ND	50	50	103	116	206	231	29-178	11	20 M0	
Ethyl methacrylate	ug/L	ND	200	200	195	213	98	107	58-136	9	20	
Ethylbenzene	ug/L	ND	50	50	47.0	50.0	94	100	31-147	6	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	40.2	48.0	80	96	10-158	18	20	
Iodomethane	ug/L	ND	100	100	41.1	63.5	41	63	17-173	43	20 R1	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.7	51.8	95	104	25-151	8	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	47.8	52.7	96	105	51-142	10	20	
Methylene Chloride	ug/L	ND	50	50	43.2	46.9	86	94	41-142	8	20	
n-Butylbenzene	ug/L	ND	50	50	41.4	48.1	83	96	10-153	15	20	
n-Hexane	ug/L	ND	50	50	50.5	53.6	101	107	35-141	6	20	
n-Propylbenzene	ug/L	ND	50	50	42.8	47.3	86	95	16-153	10	20	
Naphthalene	ug/L	ND	50	50	38.6	46.1	77	92	40-135	18	20	
p-Isopropyltoluene	ug/L	ND	50	50	42.5	49.1	85	98	11-150	14	20	
sec-Butylbenzene	ug/L	ND	50	50	42.6	49.0	85	98	11-157	14	20	
Styrene	ug/L	ND	50	50	47.2	49.7	94	99	28-142	5	20	
tert-Butylbenzene	ug/L	ND	50	50	35.5	39.9	71	80	11-132	12	20	
Tetrachloroethene	ug/L	ND	50	50	47.6	50.8	95	102	34-140	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

Parameter	Units	2118093		2118094		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50204106002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Toluene	ug/L	ND	50	50	45.4	48.6	91	97	43-134	7	20		
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.1	53.4	98	107	51-135	8	20		
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.9	46.5	88	93	44-133	6	20		
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	144	139	72	70	12-138	4	20		
Trichloroethene	ug/L	ND	50	50	48.9	52.3	97	104	40-141	7	20		
Trichlorofluoromethane	ug/L	ND	50	50	54.3	57.6	109	115	56-162	6	20		
Vinyl acetate	ug/L	ND	200	200	125	135	62	67	11-134	8	20		
Vinyl chloride	ug/L	ND	50	50	56.5	61.9	113	124	46-164	9	20		
Xylene (Total)	ug/L	ND	150	150	134	145	89	96	29-145	8	20		
4-Bromofluorobenzene (S)	%.						106	106	85-111				
Dibromofluoromethane (S)	%.						104	105	89-116				
Toluene-d8 (S)	%.						98	98	87-110				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City
Pace Project No.: 50204260

QC Batch: 459039 Analysis Method: EPA 5030/8260
QC Batch Method: EPA 5030/8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50204260005, 50204260006, 50204260007, 50204260008, 50204260009, 50204260010, 50204260011

METHOD BLANK: 2118610 Matrix: Water
Associated Lab Samples: 50204260005, 50204260006, 50204260007, 50204260008, 50204260009, 50204260010, 50204260011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,1-Dichloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,1-Dichloroethene	ug/L	ND	5.0	08/28/18 13:35	
1,1-Dichloropropene	ug/L	ND	5.0	08/28/18 13:35	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/28/18 13:35	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/28/18 13:35	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/28/18 13:35	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
1,2-Dichloroethane	ug/L	ND	5.0	08/28/18 13:35	
1,2-Dichloropropane	ug/L	ND	5.0	08/28/18 13:35	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/28/18 13:35	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
1,3-Dichloropropane	ug/L	ND	5.0	08/28/18 13:35	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
1-Methylnaphthalene	ug/L	ND	10.0	08/28/18 13:35	N2
2,2-Dichloropropane	ug/L	ND	5.0	08/28/18 13:35	
2-Butanone (MEK)	ug/L	ND	25.0	08/28/18 13:35	
2-Chlorotoluene	ug/L	ND	5.0	08/28/18 13:35	
2-Hexanone	ug/L	ND	25.0	08/28/18 13:35	
2-Methylnaphthalene	ug/L	ND	10.0	08/28/18 13:35	
4-Chlorotoluene	ug/L	ND	5.0	08/28/18 13:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/28/18 13:35	
Acetone	ug/L	ND	100	08/28/18 13:35	
Acrolein	ug/L	ND	50.0	08/28/18 13:35	
Acrylonitrile	ug/L	ND	100	08/28/18 13:35	
Benzene	ug/L	ND	5.0	08/28/18 13:35	
Bromobenzene	ug/L	ND	5.0	08/28/18 13:35	
Bromochloromethane	ug/L	ND	5.0	08/28/18 13:35	
Bromodichloromethane	ug/L	ND	5.0	08/28/18 13:35	
Bromoform	ug/L	ND	5.0	08/28/18 13:35	
Bromomethane	ug/L	ND	5.0	08/28/18 13:35	
Carbon disulfide	ug/L	ND	10.0	08/28/18 13:35	
Carbon tetrachloride	ug/L	ND	5.0	08/28/18 13:35	
Chlorobenzene	ug/L	ND	5.0	08/28/18 13:35	
Chloroethane	ug/L	ND	5.0	08/28/18 13:35	
Chloroform	ug/L	ND	5.0	08/28/18 13:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

METHOD BLANK: 2118610

Matrix: Water

Associated Lab Samples: 50204260005, 50204260006, 50204260007, 50204260008, 50204260009, 50204260010, 50204260011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	5.0	08/28/18 13:35	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/28/18 13:35	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/28/18 13:35	
Dibromochloromethane	ug/L	ND	5.0	08/28/18 13:35	
Dibromomethane	ug/L	ND	5.0	08/28/18 13:35	
Dichlorodifluoromethane	ug/L	ND	5.0	08/28/18 13:35	
Ethyl methacrylate	ug/L	ND	100	08/28/18 13:35	
Ethylbenzene	ug/L	ND	5.0	08/28/18 13:35	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/28/18 13:35	
Iodomethane	ug/L	ND	10.0	08/28/18 13:35	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/28/18 13:35	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/28/18 13:35	
Methylene Chloride	ug/L	ND	5.0	08/28/18 13:35	
n-Butylbenzene	ug/L	ND	5.0	08/28/18 13:35	
n-Hexane	ug/L	ND	5.0	08/28/18 13:35	
n-Propylbenzene	ug/L	ND	5.0	08/28/18 13:35	
Naphthalene	ug/L	ND	1.7	08/28/18 13:35	
p-Isopropyltoluene	ug/L	ND	5.0	08/28/18 13:35	
sec-Butylbenzene	ug/L	ND	5.0	08/28/18 13:35	
Styrene	ug/L	ND	5.0	08/28/18 13:35	
tert-Butylbenzene	ug/L	ND	5.0	08/28/18 13:35	
Tetrachloroethene	ug/L	ND	5.0	08/28/18 13:35	
Toluene	ug/L	ND	5.0	08/28/18 13:35	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/28/18 13:35	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/28/18 13:35	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/28/18 13:35	
Trichloroethene	ug/L	ND	5.0	08/28/18 13:35	
Trichlorofluoromethane	ug/L	ND	5.0	08/28/18 13:35	
Vinyl acetate	ug/L	ND	50.0	08/28/18 13:35	
Vinyl chloride	ug/L	ND	2.0	08/28/18 13:35	
Xylene (Total)	ug/L	ND	10.0	08/28/18 13:35	
4-Bromofluorobenzene (S)	%	100	85-111	08/28/18 13:35	
Dibromofluoromethane (S)	%	101	89-116	08/28/18 13:35	
Toluene-d8 (S)	%	98	87-110	08/28/18 13:35	

LABORATORY CONTROL SAMPLE: 2118611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.6	107	80-120	
1,1,1-Trichloroethane	ug/L	50	55.6	111	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	73-117	
1,1,2-Trichloroethane	ug/L	50	53.8	108	74-119	
1,1-Dichloroethane	ug/L	50	52.3	105	72-119	
1,1-Dichloroethene	ug/L	50	55.3	111	72-123	

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

LABORATORY CONTROL SAMPLE: 2118611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	54.2	108	77-125	
1,2,3-Trichlorobenzene	ug/L	50	56.6	113	74-125	
1,2,3-Trichloropropane	ug/L	50	55.7	111	82-121	
1,2,4-Trichlorobenzene	ug/L	50	57.7	115	70-125	
1,2,4-Trimethylbenzene	ug/L	50	48.9	98	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	55.6	111	80-120	
1,2-Dichlorobenzene	ug/L	50	52.5	105	77-117	
1,2-Dichloroethane	ug/L	50	55.7	111	69-122	
1,2-Dichloropropane	ug/L	50	56.2	112	75-124	
1,3,5-Trimethylbenzene	ug/L	50	52.3	105	75-117	
1,3-Dichlorobenzene	ug/L	50	53.0	106	76-116	
1,3-Dichloropropane	ug/L	50	54.3	109	82-118	
1,4-Dichlorobenzene	ug/L	50	49.7	99	74-115	
1-Methylnaphthalene	ug/L	50	68.6	137	70-130	L1,N2
2,2-Dichloropropane	ug/L	50	57.0	114	51-133	
2-Butanone (MEK)	ug/L	250	248	99	72-147	
2-Chlorotoluene	ug/L	50	52.5	105	73-113	
2-Hexanone	ug/L	250	261	105	71-132	
2-Methylnaphthalene	ug/L	50	61.9	124	69-123	L1
4-Chlorotoluene	ug/L	50	52.1	104	78-118	
4-Methyl-2-pentanone (MIBK)	ug/L	250	264	106	89-128	
Acetone	ug/L	250	220	88	46-170	
Acrolein	ug/L	1000	1380	138	13-200	
Acrylonitrile	ug/L	200	241	121	65-130	
Benzene	ug/L	50	52.3	105	78-117	
Bromobenzene	ug/L	50	44.1	88	66-126	
Bromochloromethane	ug/L	50	50.7	101	76-120	
Bromodichloromethane	ug/L	50	55.6	111	76-120	
Bromoform	ug/L	50	51.5	103	70-124	
Bromomethane	ug/L	50	51.6	103	29-181	
Carbon disulfide	ug/L	50	50.4	101	66-123	
Carbon tetrachloride	ug/L	50	57.8	116	73-132	
Chlorobenzene	ug/L	50	51.7	103	79-112	
Chloroethane	ug/L	50	57.2	114	59-156	
Chloroform	ug/L	50	54.5	109	76-118	
Chloromethane	ug/L	50	43.5	87	45-142	
cis-1,2-Dichloroethene	ug/L	50	55.9	112	75-117	
cis-1,3-Dichloropropene	ug/L	50	54.7	109	77-120	
Dibromochloromethane	ug/L	50	57.3	115	78-123	
Dibromomethane	ug/L	50	60.3	121	78-122	
Dichlorodifluoromethane	ug/L	50	97.9	196	41-168	L1
Ethyl methacrylate	ug/L	200	230	115	75-128	
Ethylbenzene	ug/L	50	50.9	102	80-118	
Hexachloro-1,3-butadiene	ug/L	50	60.8	122	73-125	
Iodomethane	ug/L	100	70.3	70	35-174	
Isopropylbenzene (Cumene)	ug/L	50	54.2	108	81-117	
Methyl-tert-butyl ether	ug/L	50	55.9	112	71-124	

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

LABORATORY CONTROL SAMPLE: 2118611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	48.3	97	59-136	
n-Butylbenzene	ug/L	50	55.4	111	72-118	
n-Hexane	ug/L	50	62.2	124	60-128	
n-Propylbenzene	ug/L	50	49.8	100	75-120	
Naphthalene	ug/L	50	51.2	102	67-126	
p-Isopropyltoluene	ug/L	50	55.1	110	75-115	
sec-Butylbenzene	ug/L	50	53.2	106	76-120	
Styrene	ug/L	50	53.9	108	74-121	
tert-Butylbenzene	ug/L	50	41.5	83	55-109	
Tetrachloroethene	ug/L	50	53.2	106	76-116	
Toluene	ug/L	50	50.7	101	77-115	
trans-1,2-Dichloroethene	ug/L	50	54.3	109	75-121	
trans-1,3-Dichloropropene	ug/L	50	53.6	107	77-121	
trans-1,4-Dichloro-2-butene	ug/L	200	239	119	42-128	
Trichloroethene	ug/L	50	53.0	106	76-120	
Trichlorofluoromethane	ug/L	50	56.7	113	81-141	
Vinyl acetate	ug/L	200	216	108	67-131	
Vinyl chloride	ug/L	50	61.1	122	64-155	
Xylene (Total)	ug/L	150	153	102	78-118	
4-Bromofluorobenzene (S)	%			106	85-111	
Dibromofluoromethane (S)	%			102	89-116	
Toluene-d8 (S)	%			98	87-110	

MATRIX SPIKE SAMPLE: 2118613

Parameter	Units	50204260008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	47.5	95	48-138	
1,1,1-Trichloroethane	ug/L	ND	50	55.0	110	50-141	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.5	87	52-131	
1,1,2-Trichloroethane	ug/L	ND	50	50.8	102	53-131	
1,1-Dichloroethane	ug/L	ND	50	48.8	98	51-130	
1,1-Dichloroethene	ug/L	ND	50	58.2	116	51-138	
1,1-Dichloropropene	ug/L	ND	50	54.0	108	47-143	
1,2,3-Trichlorobenzene	ug/L	ND	50	44.0	88	26-143	
1,2,3-Trichloropropane	ug/L	ND	50	49.4	99	60-136	
1,2,4-Trichlorobenzene	ug/L	ND	50	44.3	89	20-142	
1,2,4-Trimethylbenzene	ug/L	ND	50	41.8	84	19-148	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50.2	100	57-134	
1,2-Dichlorobenzene	ug/L	ND	50	44.2	88	30-142	
1,2-Dichloroethane	ug/L	ND	50	50.5	101	46-139	
1,2-Dichloropropane	ug/L	ND	50	54.6	109	54-135	
1,3,5-Trimethylbenzene	ug/L	ND	50	45.2	90	16-149	
1,3-Dichlorobenzene	ug/L	ND	50	44.4	89	24-142	
1,3-Dichloropropane	ug/L	ND	50	49.3	99	59-134	
1,4-Dichlorobenzene	ug/L	ND	50	42.2	84	24-140	

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QUALITY CONTROL DATA

Project: GE Tell City

Pace Project No.: 50204260

MATRIX SPIKE SAMPLE:		2118613		50204260008		Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers			
1-Methylnaphthalene	ug/L	ND	50	52.5	105	44-135	N2			
2,2-Dichloropropane	ug/L	ND	50	48.2	96	24-138				
2-Butanone (MEK)	ug/L	ND	250	296	118	49-156				
2-Chlorotoluene	ug/L	ND	50	44.5	89	21-143				
2-Hexanone	ug/L	ND	250	261	104	53-140				
2-Methylnaphthalene	ug/L	ND	50	44.5	89	33-137				
4-Chlorotoluene	ug/L	ND	50	44.8	90	23-147				
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	231	92	50-139				
Acetone	ug/L	ND	250	322	126	34-160				
Acrolein	ug/L	ND	1000	1220	122	30-178				
Acrylonitrile	ug/L	ND	200	206	103	54-136				
Benzene	ug/L	ND	50	51.2	102	50-135				
Bromobenzene	ug/L	ND	50	39.1	78	28-147				
Bromochloromethane	ug/L	ND	50	49.1	98	54-138				
Bromodichloromethane	ug/L	ND	50	47.1	94	50-135				
Bromoform	ug/L	ND	50	40.1	80	43-133				
Bromomethane	ug/L	ND	50	32.8	66	15-170				
Carbon disulfide	ug/L	ND	50	44.2	88	36-139				
Carbon tetrachloride	ug/L	ND	50	52.0	104	43-151				
Chlorobenzene	ug/L	ND	50	47.6	95	39-135				
Chloroethane	ug/L	ND	50	59.0	118	42-165				
Chloroform	ug/L	ND	50	54.8	110	52-134				
Chloromethane	ug/L	ND	50	45.5	89	33-146				
cis-1,2-Dichloroethene	ug/L	230	50	230	0	48-133	M1			
cis-1,3-Dichloropropene	ug/L	ND	50	45.0	90	46-131				
Dibromochloromethane	ug/L	ND	50	47.1	94	50-139				
Dibromomethane	ug/L	ND	50	56.2	112	55-137				
Dichlorodifluoromethane	ug/L	ND	50	103	207	29-178	MO			
Ethyl methacrylate	ug/L	ND	200	209	104	58-136				
Ethylbenzene	ug/L	ND	50	46.9	94	31-147				
Hexachloro-1,3-butadiene	ug/L	ND	50	46.3	93	10-158				
Iodomethane	ug/L	ND	100	52.2	52	17-173				
Isopropylbenzene (Cumene)	ug/L	ND	50	49.0	98	25-151				
Methyl-tert-butyl ether	ug/L	ND	50	51.8	104	51-142				
Methylene Chloride	ug/L	ND	50	47.0	94	41-142				
n-Butylbenzene	ug/L	ND	50	44.2	88	10-153				
n-Hexane	ug/L	ND	50	52.4	105	35-141				
n-Propylbenzene	ug/L	ND	50	43.0	86	16-153				
Naphthalene	ug/L	ND	50	40.9	82	40-135				
p-Isopropyltoluene	ug/L	ND	50	46.2	92	11-150				
sec-Butylbenzene	ug/L	ND	50	44.7	89	11-157				
Styrene	ug/L	ND	50	48.6	97	28-142				
tert-Butylbenzene	ug/L	ND	50	35.8	72	11-132				
Tetrachloroethene	ug/L	ND	50	50.3	99	34-140				
Toluene	ug/L	ND	50	48.3	96	43-134				
trans-1,2-Dichloroethene	ug/L	ND	50	55.3	105	51-135				
trans-1,3-Dichloropropene	ug/L	ND	50	43.8	88	44-133				

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QUALITY CONTROL DATA

Project: GE Tell City
Pace Project No.: 50204260

MATRIX SPIKE SAMPLE: 2118613		50204260008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	200	185	92	12-138	
Trichloroethene	ug/L	ND	50	54.4	104	40-141	
Trichlorofluoromethane	ug/L	ND	50	58.1	116	56-162	
Vinyl acetate	ug/L	ND	200	181	90	11-134	
Vinyl chloride	ug/L	2.4	50	65.0	125	46-164	
Xylene (Total)	ug/L	ND	150	140	93	29-145	
4-Bromofluorobenzene (S)	%				106	85-111	
Dibromofluoromethane (S)	%				104	89-116	
Toluene-d8 (S)	%				97	87-110	

SAMPLE DUPLICATE: 2118612

Parameter	Units	50204260007	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
1-Methylnaphthalene	ug/L	ND	ND		20 N2	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
2-Methylnaphthalene	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	1.6J		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GE Tell City
Pace Project No.: 50204260

SAMPLE DUPLICATE: 2118612

Parameter	Units	50204260007 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	.51J		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	100	100	0		
Dibromofluoromethane (S)	%	101	99	2		
Toluene-d8 (S)	%	98	97	2		

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GE Tell City

Pace Project No.: 50204260

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.

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.

ANALYTE QUALIFIERS

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- N2 The lab does not hold NELAC/TNI accreditation for this parameter.
- R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GE Tell City

Pace Project No.: 50204260

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50204260001	AP-70 (61-65)(082318)	EPA 5030/8260	458892		
50204260002	AP-70 (51-55)(082318)	EPA 5030/8260	458892		
50204260003	AP-70 (41-45)(082318)	EPA 5030/8260	458892		
50204260004	AP-71 (61-65)(082318)	EPA 5030/8260	458892		
50204260005	AP-71 (51-55)(082318)	EPA 5030/8260	459039		
50204260006	AP-71 (41-45)(082318)	EPA 5030/8260	459039		
50204260007	AP-72 (61-65)(082318)	EPA 5030/8260	459039		
50204260008	AP-72 (51-55)(082318)	EPA 5030/8260	459039		
50204260009	AP-72 (41-45)(082318)	EPA 5030/8260	459039		
50204260010	Dup-1 (082318)	EPA 5030/8260	459039		
50204260011	Trip Blank	EPA 5030/8260	459039		

REPORT OF LABORATORY ANALYSIS

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SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50204260 **Date/Time and Initials of person examining contents:** TW 2/24/5

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No **Seals Intact:** Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: 1 2 3 4 6 A B C D E F **Ice Type:** Wet Blue None | **Samples collected today and on ice:** Yes No N/A

Cooler Temperature: 1.3/1.6 **Ice Visible in Sample Containers?:** Yes No N/A

(Initial/Corrected) Temp should be above freezing to 6°C **If temp. is Over 6°C or under 0°C, was the PM Notified?:** Yes No N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia?		/	All containers needing acid/base pres. Have been checked?: exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.			
Document any containers out of temp.				All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
USDA Regulated Soils? (ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		/	Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			
Chain of Custody Present:	/		Dissolved Metals field filtered?:			/
Chain of Custody Filled Out:	/		Headspace Wisconsin Sulfide			/
Short Hold Time Analysis (<72hr)?:		/	Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
Analysis:				Residual Chlorine Check (Total/Amenable/Free Cyanide)		
Time 5035A TC placed in Freezer or Short Holds To Lab:			Headspace in VOA Vials (>6mm):		/	
Rush TAT Requested:		/	Trip Blank Present?:	/		
Containers Intact?:	/		Trip Blank Custody Seals?:	/		
Sample Labels Match COC?:	/					
Except TCs, which only require sample ID						

Comments:

Sample Container Count

WO# : 50204260



50204260

CLIENT: ALCAD-S

COC PAGE 1 of 1
COC ID# 2276969

Project # 50204260

Sample Line Item	DG9H DG9M VG9H VG9T VG9U VGFX VSG WG9H WG9T WG9U	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	Bull Kit R	Matrix S (Soil/Wa Aqueou:	pH <2	pH >9	pH >12
1	3																				
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

Glass				Plastic / Misc.			
DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic		
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG1U	1 liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP2O	500mL NaOH plastic	U	Summa Can
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
VG9U	40mL unpreserved clear vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic		
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac		
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic		
WG9U	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic		
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass	BP3S	250mL H2SO4 plastic		
JG9U	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass				
		BG3U	250mL Unpreserved Clear Glass				

Mobile Lab Project Case Narrative

Report Date	September 10, 2018
Client	Arcadis
Site/ Project Name	Tell City Investigation (GE)
Location	Tell City, IN
Dates of Service	August 9 through August 23, 2018
Test Method Reference	LAM-004 8260B VOCs LAM-010 VOCs by Direct Inject SIM
Pace Project Number	2810

1. Introduction

Pace Analytical – Mobile Lab Services (Pace) mobilized to the referenced site to provide analytical chemistry support during site investigation activities. The target analytes for the project were a client specified list of volatile organic compounds (VOC). The laboratory analyzed 245 soil samples and 75 water samples during this effort. All samples were prepared / analyzed upon receipt by the laboratory and all method holding times were met. The Pace Lead Chemist was Matt Culver and the Pace Project Manager was Pat Letterer.

2. Pace Method Summary

- Samples were analyzed for the client-specified list of VOCs in accordance with the Pace standard operating procedures (SOP) listed above.
- Samples were submitted to the on-site lab and immediately logged into the Promium Element LIMS system.
- Water samples were received in 40 mL VOA vials.
- Soil samples for VOCs were delivered in ESS Lock and Load samplers. Additional volume was provided for percent solids analysis in Ziploc bags.
- VOC water analysis was performed on an Archon 4552 and OI 4660 purge and trap, HP5890 GC, HP5972 Mass Selective Detector equipped with Agilent Chemstation for data processing.
- VOC soil analysis was performed on an HP5890 GC and HP5972 Mass Selective Detector equipped with Agilent Chemstation for data processing.

3. Quality Control Summary

Initial Calibration	An initial calibration curve was prepared for both analytical systems at seven concentrations and verified with a second source standard. All initial calibration criteria were achieved.
Instrument Tuning	Instrument tuning was verified every twelve hours using 4-bromofluorobenzene. All acceptance criteria were met.
Continuing Calibration	The instrument calibration was verified every 10 injections and at the end of a run. All continuing calibration checks were acceptable, except where qualified.
Method Blanks	Method blanks that were analyzed each day were free of contamination.
Laboratory Control Samples	Recoveries for the constituents of concern were acceptable, except where qualified.
MS/MSD	Recoveries for the constituents of concern were acceptable, except where qualified.

4. Analytical Reports

All field-generated results were confirmed through the standard Pace review process. Note that Pace provided preliminary results for a few target compounds on the COC documentation. These results were preliminary, on a wet-weight basis (soil), and often requiring further dilution and analysis. As such, these results were limited to screening-level and many have changed from draft to final. Several samples had an analyte(s) that was reported over the calibration range and was E qualified as estimated.

Appendix A contains analytical reports for each sample along with quality control sample results. Appendix B contains chain of custody documentation.

5. Signature Approval

This document has been prepared by the under-signed:



9/10/2018

Pat Letterer
Project Manager

Date



9/10/2018

Matt Culver
Lead Chemist

Date

Certification List

		Number	Expires
ADEQ	Arkansas Department of Environmental Quality	17-065-0	09/26/2018
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2019
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2019
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2019
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2019
NCDEQ	North Carolina Dept. of Env. Quality Accreditation	688	12/31/2018
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2019
ODEQ	Oklahoma Dept. of Env. Quality Accreditation	2017-154	08/31/2019
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2018
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2019

Appendix A

Detailed Sample and Quality Control Results



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AP-84 (74-78)	R183201-01	Water	08/06/2018	08/06/2018
AP-84 (66-70)	R183201-02	Water	08/06/2018	08/06/2018
AP-84 (58-62)	R183201-03	Water	08/06/2018	08/06/2018
AP-84 (50-54)	R183201-04	Water	08/06/2018	08/06/2018
AP-84 (42-46)	R183201-05	Water	08/06/2018	08/06/2018
AP-84 (38-42)	R183201-06	Water	08/06/2018	08/06/2018
AP-85 (90-94)	R183202-01	Water	08/07/2018	08/07/2018
AP-85 (82-86)	R183202-02	Water	08/07/2018	08/07/2018
AP-85 (74-78)	R183202-03	Water	08/07/2018	08/07/2018
AP-85 (66-70)	R183202-04	Water	08/07/2018	08/07/2018
AP-85 (58-62)	R183202-05	Water	08/07/2018	08/07/2018
AP-85 (50-54)	R183202-06	Water	08/07/2018	08/07/2018
AP-85 (37-41)	R183202-07	Water	08/07/2018	08/07/2018
AP-82 (76-80)	R183202-08	Water	08/07/2018	08/07/2018
AP-82 (68-72)	R183202-09	Water	08/07/2018	08/07/2018
AP-82 (60-64)	R183202-10	Water	08/07/2018	08/07/2018
AP-82 (52-56)	R183202-11	Water	08/07/2018	08/07/2018
AP-82 (44-48)	R183202-12	Water	08/07/2018	08/07/2018
AP-82 (36-40)	R183202-13	Water	08/07/2018	08/07/2018
AP-86 (78-82)	R183203-01	Water	08/08/2018	08/08/2018
AP-86 (70-74)	R183203-02	Water	08/08/2018	08/08/2018
AP-86 (62-66)	R183203-03	Water	08/08/2018	08/08/2018
AP-86 (58-62)	R183203-04	Water	08/08/2018	08/08/2018
AP-86 (54-58)	R183203-05	Water	08/08/2018	08/08/2018
AP-86 (50-54)	R183203-06	Water	08/08/2018	08/08/2018
AP-86 (46-50)	R183203-07	Water	08/08/2018	08/08/2018
AP-86 (38-42)	R183203-08	Water	08/08/2018	08/08/2018
AP-81 (66-70)	R183203-09	Water	08/08/2018	08/08/2018
AP-81 (60-64)	R183203-10	Water	08/08/2018	08/08/2018
AP-81 (54-58)	R183203-11	Water	08/08/2018	08/08/2018
AP-81 (48-52)	R183203-12	Water	08/08/2018	08/08/2018



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AP-81 (42-46)	R183203-13	Water	08/08/2018	08/08/2018
AP-81 (38-42)	R183203-14	Water	08/08/2018	08/08/2018
AP-78 (88-92)	R183204-01	Water	08/09/2018	08/09/2018
AP-78 (80-84)	R183204-02	Water	08/09/2018	08/09/2018
AP-78 (72-76)	R183204-03	Water	08/09/2018	08/09/2018
AP-78 (64-68)	R183204-04	Water	08/09/2018	08/09/2018
AP-78 (56-60)	R183204-05	Water	08/09/2018	08/09/2018
AP-78 (50-54)	R183204-06	Water	08/09/2018	08/09/2018
AP-78 (44-48)	R183204-07	Water	08/09/2018	08/09/2018
AP-78 (38-42)	R183204-08	Water	08/09/2018	08/09/2018
AP-88 (92-96)	R183204-09	Water	08/09/2018	08/09/2018
AP-88 (84-88)	R183204-10	Water	08/09/2018	08/09/2018
AP-88 (76-80)	R183204-11	Water	08/09/2018	08/09/2018
AP-88 (68-72)	R183204-12	Water	08/09/2018	08/09/2018
AP-88 (60-64)	R183204-13	Water	08/09/2018	08/09/2018
AP-88 (52-56)	R183204-14	Water	08/09/2018	08/09/2018
AP-88 (44-48)	R183204-15	Water	08/09/2018	08/09/2018
AP-88 (38-42)	R183204-16	Water	08/09/2018	08/09/2018
SAP-1-1	R183205-01	Soil	08/09/2018	08/09/2018
SAP-1-4	R183205-02	Soil	08/09/2018	08/09/2018
SAP-1-8	R183205-03	Soil	08/09/2018	08/09/2018
SAP-1-12	R183205-04	Soil	08/09/2018	08/09/2018
SAP-1-16	R183205-05	Soil	08/09/2018	08/09/2018
SAP-2-1	R183205-06	Soil	08/09/2018	08/09/2018
SAP-2-4	R183205-07	Soil	08/09/2018	08/09/2018
SAP-2-8	R183205-08	Soil	08/09/2018	08/09/2018
SAP-2-12	R183205-09	Soil	08/09/2018	08/09/2018
SAP-2-16	R183205-10	Soil	08/09/2018	08/09/2018
SAP-3-1	R183205-11	Soil	08/09/2018	08/09/2018
SAP-3-4	R183205-12	Soil	08/09/2018	08/09/2018
SAP-3-8	R183205-13	Soil	08/09/2018	08/09/2018



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-3-12	R183205-14	Soil	08/09/2018	08/09/2018
SAP-3-16	R183205-15	Soil	08/09/2018	08/09/2018
SAP-4-1	R183205-16	Soil	08/09/2018	08/09/2018
SAP-4-4	R183205-17	Soil	08/09/2018	08/09/2018
SAP-4-8	R183205-18	Soil	08/09/2018	08/09/2018
SAP-4-12	R183205-19	Soil	08/09/2018	08/09/2018
SAP-4-16	R183205-20	Soil	08/09/2018	08/09/2018
SAP-5-1	R183205-21	Soil	08/09/2018	08/09/2018
SAP-5-4	R183205-22	Soil	08/09/2018	08/09/2018
SAP-5-8	R183205-23	Soil	08/09/2018	08/09/2018
SAP-5-12	R183205-24	Soil	08/09/2018	08/09/2018
SAP-5-16	R183205-25	Soil	08/09/2018	08/09/2018
SAP-6-1	R183205-26	Soil	08/09/2018	08/09/2018
SAP-6-4	R183205-27	Soil	08/09/2018	08/09/2018
SAP-6-8	R183205-28	Soil	08/09/2018	08/09/2018
SAP-6-12	R183205-29	Soil	08/09/2018	08/09/2018
SAP-6-16	R183205-30	Soil	08/09/2018	08/09/2018
SAP-7-1	R183205-31	Soil	08/09/2018	08/09/2018
SAP-7-4	R183205-32	Soil	08/09/2018	08/09/2018
SAP-7-8	R183205-33	Soil	08/09/2018	08/09/2018
SAP-7-12	R183205-34	Soil	08/09/2018	08/09/2018
SAP-7-16	R183205-35	Soil	08/09/2018	08/09/2018
SAP-7-10	R183205-36	Soil	08/09/2018	08/09/2018
SAP-8-1	R183205-37	Soil	08/09/2018	08/09/2018
SAP-8-4	R183205-38	Soil	08/09/2018	08/09/2018
SAP-8-8	R183205-39	Soil	08/09/2018	08/09/2018
SAP-8-12	R183205-40	Soil	08/09/2018	08/09/2018
SAP-8-16	R183205-41	Soil	08/09/2018	08/09/2018
AP-75 (74-78)	R183206-01	Water	08/10/2018	08/10/2018
AP-75 (68-72)	R183206-02	Water	08/10/2018	08/10/2018
AP-75 (60-64)	R183206-03	Water	08/10/2018	08/10/2018



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AP-75 (54-58)	R183206-04	Water	08/10/2018	08/10/2018
AP-75 (48-52)	R183206-05	Water	08/10/2018	08/10/2018
AP-75 (42-46)	R183206-06	Water	08/10/2018	08/10/2018
AP-75 (36-40)	R183206-07	Water	08/10/2018	08/10/2018
SAP-9-1	R183207-01	Soil	08/10/2018	08/10/2018
SAP-9-4	R183207-02	Soil	08/10/2018	08/10/2018
SAP-9-8	R183207-03	Soil	08/10/2018	08/10/2018
SAP-9-12	R183207-04	Soil	08/10/2018	08/10/2018
SAP-9-16	R183207-05	Soil	08/10/2018	08/10/2018
SAP-12-1	R183207-06	Soil	08/10/2018	08/10/2018
SAP-12-2	R183207-07	Soil	08/10/2018	08/10/2018
SAP-12-4	R183207-08	Soil	08/10/2018	08/10/2018
SAP-12-8	R183207-09	Soil	08/10/2018	08/10/2018
SAP-12-12	R183207-10	Soil	08/10/2018	08/10/2018
SAP-12-16	R183207-11	Soil	08/10/2018	08/10/2018
SAP-13-1	R183301-01	Soil	08/13/2018	08/13/2018
SAP-13-4	R183301-02	Soil	08/13/2018	08/13/2018
SAP-13-8	R183301-03	Soil	08/13/2018	08/13/2018
SAP-13-12	R183301-04	Soil	08/13/2018	08/13/2018
SAP-13-16	R183301-05	Soil	08/13/2018	08/13/2018
SAP-14-2	R183301-06	Soil	08/13/2018	08/13/2018
SAP-14-4	R183301-07	Soil	08/13/2018	08/13/2018
SAP-14-8	R183301-08	Soil	08/13/2018	08/13/2018
SAP-14-12	R183301-09	Soil	08/13/2018	08/13/2018
SAP-14-16	R183301-10	Soil	08/13/2018	08/13/2018
SAP-15-1	R183301-11	Soil	08/13/2018	08/13/2018
SAP-15-3	R183301-12	Soil	08/13/2018	08/13/2018
SAP-15-4	R183301-13	Soil	08/13/2018	08/13/2018
SAP-15-8	R183301-14	Soil	08/13/2018	08/13/2018
SAP-15-12	R183301-15	Soil	08/13/2018	08/13/2018
SAP-15-16	R183301-16	Soil	08/13/2018	08/13/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-16-1	R183301-17	Soil	08/13/2018	08/13/2018
SAP-16-4	R183301-18	Soil	08/13/2018	08/13/2018
SAP-16-8	R183301-19	Soil	08/13/2018	08/13/2018
SAP-16-12	R183301-20	Soil	08/13/2018	08/13/2018
SAP-16-16	R183301-21	Soil	08/13/2018	08/13/2018
SAP-17-1	R183302-01	Soil	08/14/2018	08/14/2018
SAP-17-4	R183302-02	Soil	08/14/2018	08/14/2018
SAP-17-8	R183302-03	Soil	08/14/2018	08/14/2018
SAP-17-12	R183302-04	Soil	08/14/2018	08/14/2018
SAP-17-16	R183302-05	Soil	08/14/2018	08/14/2018
SAP-18-1	R183302-06	Soil	08/14/2018	08/14/2018
SAP-18-4	R183302-07	Soil	08/14/2018	08/14/2018
SAP-18-8	R183302-08	Soil	08/14/2018	08/14/2018
SAP-18-12	R183302-09	Soil	08/14/2018	08/14/2018
SAP-18-16	R183302-10	Soil	08/14/2018	08/14/2018
SAP-10-1	R183302-11	Soil	08/14/2018	08/14/2018
SAP-10-4	R183302-12	Soil	08/14/2018	08/14/2018
SAP-10-8	R183302-13	Soil	08/14/2018	08/14/2018
SAP-10-12	R183302-14	Soil	08/14/2018	08/14/2018
SAP-10-16	R183302-15	Soil	08/14/2018	08/14/2018
SAP-11-1	R183302-16	Soil	08/14/2018	08/14/2018
SAP-11-4	R183302-17	Soil	08/14/2018	08/14/2018
SAP-11-8	R183302-18	Soil	08/14/2018	08/14/2018
SAP-11-12	R183302-19	Soil	08/14/2018	08/14/2018
SAP-11-16	R183302-20	Soil	08/14/2018	08/14/2018
SAP-19-1	R183302-21	Soil	08/14/2018	08/14/2018
SAP-19-4	R183302-22	Soil	08/14/2018	08/14/2018
SAP-19-8	R183302-23	Soil	08/14/2018	08/14/2018
SAP-19-12	R183302-24	Soil	08/14/2018	08/14/2018
SAP-19-16	R183302-25	Soil	08/14/2018	08/14/2018
SAP-20-1	R183302-26	Soil	08/14/2018	08/14/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-20-4	R183302-27	Soil	08/14/2018	08/14/2018
SAP-20-8	R183302-28	Soil	08/14/2018	08/14/2018
SAP-20-12	R183302-29	Soil	08/14/2018	08/14/2018
SAP-20-16	R183302-30	Soil	08/14/2018	08/14/2018
SAP-21-1	R183302-31	Soil	08/14/2018	08/14/2018
SAP-21-4	R183302-32	Soil	08/14/2018	08/14/2018
SAP-21-8	R183302-33	Soil	08/14/2018	08/14/2018
SAP-21-12	R183302-34	Soil	08/14/2018	08/14/2018
SAP-21-16	R183302-35	Soil	08/14/2018	08/14/2018
SAP-22-1	R183302-36	Soil	08/14/2018	08/14/2018
SAP-22-4	R183302-37	Soil	08/14/2018	08/14/2018
SAP-22-8	R183302-38	Soil	08/14/2018	08/14/2018
SAP-22-12	R183302-39	Soil	08/14/2018	08/14/2018
SAP-22-16	R183302-40	Soil	08/14/2018	08/14/2018
SAP-23-1	R183303-01	Soil	08/15/2018	08/15/2018
SAP-23-4	R183303-02	Soil	08/15/2018	08/15/2018
SAP-23-8	R183303-03	Soil	08/15/2018	08/15/2018
SAP-23-12	R183303-04	Soil	08/15/2018	08/15/2018
SAP-23-16	R183303-05	Soil	08/15/2018	08/15/2018
SAP-24-1	R183303-06	Soil	08/15/2018	08/15/2018
SAP-24-4	R183303-07	Soil	08/15/2018	08/15/2018
SAP-24-8	R183303-08	Soil	08/15/2018	08/15/2018
SAP-24-12	R183303-09	Soil	08/15/2018	08/15/2018
SAP-24-16	R183303-10	Soil	08/15/2018	08/15/2018
SAP-25-1	R183303-11	Soil	08/15/2018	08/15/2018
SAP-25-4	R183303-12	Soil	08/15/2018	08/15/2018
SAP-25-8	R183303-13	Soil	08/15/2018	08/15/2018
SAP-25-12	R183303-14	Soil	08/15/2018	08/15/2018
SAP-25-16	R183303-15	Soil	08/15/2018	08/15/2018
SAP-26-1	R183303-16	Soil	08/15/2018	08/15/2018
SAP-26-4	R183303-17	Soil	08/15/2018	08/15/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-26-8	R183303-18	Soil	08/15/2018	08/15/2018
SAP-26-12	R183303-19	Soil	08/15/2018	08/15/2018
SAP-26-16	R183303-20	Soil	08/15/2018	08/15/2018
SAP-27-1	R183304-01	Soil	08/16/2018	08/16/2018
SAP-27-4	R183304-02	Soil	08/16/2018	08/16/2018
SAP-27-8	R183304-03	Soil	08/16/2018	08/16/2018
SAP-27-12	R183304-04	Soil	08/16/2018	08/16/2018
SAP-27-16	R183304-05	Soil	08/16/2018	08/16/2018
SAP-6-20	R183304-06	Soil	08/16/2018	08/16/2018
SAP-28-1	R183304-07	Soil	08/16/2018	08/16/2018
SAP-28-4	R183304-08	Soil	08/16/2018	08/16/2018
SAP-28-8	R183304-09	Soil	08/16/2018	08/16/2018
SAP-28-12	R183304-10	Soil	08/16/2018	08/16/2018
SAP-28-16	R183304-11	Soil	08/16/2018	08/16/2018
SAP-29-1	R183304-12	Soil	08/16/2018	08/16/2018
SAP-29-4	R183304-13	Soil	08/16/2018	08/16/2018
SAP-29-8	R183304-14	Soil	08/16/2018	08/16/2018
SAP-29-12	R183304-15	Soil	08/16/2018	08/16/2018
SAP-29-16	R183304-16	Soil	08/16/2018	08/16/2018
SAP-30-1	R183304-17	Soil	08/16/2018	08/16/2018
SAP-30-4	R183304-18	Soil	08/16/2018	08/16/2018
SAP-30-8	R183304-19	Soil	08/16/2018	08/16/2018
SAP-30-12	R183304-20	Soil	08/16/2018	08/16/2018
SAP-30-16	R183304-21	Soil	08/16/2018	08/16/2018
SAP-31-1	R183304-22	Soil	08/16/2018	08/16/2018
SAP-31-4	R183304-23	Soil	08/16/2018	08/16/2018
SAP-31-8	R183304-24	Soil	08/16/2018	08/16/2018
SAP-31-12	R183304-25	Soil	08/16/2018	08/16/2018
SAP-31-16	R183304-26	Soil	08/16/2018	08/16/2018
SAP-32-1	R183305-01	Soil	08/17/2018	08/17/2018
SAP-32-4	R183305-02	Soil	08/17/2018	08/17/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-32-8	R183305-03	Soil	08/17/2018	08/17/2018
SAP-32-11	R183305-04	Soil	08/17/2018	08/17/2018
SAP-32-12	R183305-05	Soil	08/17/2018	08/17/2018
SAP-32-16	R183305-06	Soil	08/17/2018	08/17/2018
SAP-33-1	R183305-07	Soil	08/17/2018	08/17/2018
SAP-33-4	R183305-08	Soil	08/17/2018	08/17/2018
SAP-33-8	R183305-09	Soil	08/17/2018	08/17/2018
SAP-33-12	R183305-10	Soil	08/17/2018	08/17/2018
SAP-33-16	R183305-11	Soil	08/17/2018	08/17/2018
SAP-34-1	R183305-12	Soil	08/17/2018	08/17/2018
SAP-34-4	R183305-13	Soil	08/17/2018	08/17/2018
SAP-34-8	R183305-14	Soil	08/17/2018	08/17/2018
SAP-34-12	R183305-15	Soil	08/17/2018	08/17/2018
SAP-34-16	R183305-16	Soil	08/17/2018	08/17/2018
SAP-35-1	R183305-17	Soil	08/17/2018	08/17/2018
SAP-35-4	R183305-18	Soil	08/17/2018	08/17/2018
SAP-35-8	R183305-19	Soil	08/17/2018	08/17/2018
SAP-35-12	R183305-20	Soil	08/17/2018	08/17/2018
SAP-35-16	R183305-21	Soil	08/17/2018	08/17/2018
SAP-36-1	R183305-22	Soil	08/17/2018	08/17/2018
SAP-36-4	R183305-23	Soil	08/17/2018	08/17/2018
SAP-36-8	R183305-24	Soil	08/17/2018	08/17/2018
SAP-36-12	R183305-25	Soil	08/17/2018	08/17/2018
SAP-36-16	R183305-26	Soil	08/17/2018	08/17/2018
AP-71 (62-66)	R183401-01	Water	08/20/2018	08/20/2018
AP-71 (50-54)	R183401-02	Water	08/20/2018	08/20/2018
AP-90 (66-70)	R183402-01	Water	08/21/2018	08/21/2018
AP-90 (60-64)	R183402-02	Water	08/21/2018	08/21/2018
AP-90 (54-58)	R183402-03	Water	08/21/2018	08/21/2018
AP-90 (48-52)	R183402-04	Water	08/21/2018	08/21/2018
AP-90 (42-46)	R183402-05	Water	08/21/2018	08/21/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AP-90 (38-42)	R183402-06	Water	08/21/2018	08/21/2018
AP-87 (75-79)	R183402-07	Water	08/21/2018	08/21/2018
AP-87 (66-70)	R183402-08	Water	08/21/2018	08/21/2018
AP-87 (58-62)	R183402-09	Water	08/21/2018	08/21/2018
AP-87 (50-54)	R183402-10	Water	08/21/2018	08/21/2018
AP-87 (37-41)	R183402-11	Water	08/21/2018	08/21/2018
AP-89 (79-83)	R183402-12	Water	08/21/2018	08/21/2018
AP-89 (70-74)	R183402-13	Water	08/21/2018	08/21/2018
AP-89 (62-66)	R183402-14	Water	08/21/2018	08/21/2018
AP-89 (54-58)	R183402-15	Water	08/21/2018	08/21/2018
AP-89 (46-50)	R183402-16	Water	08/21/2018	08/21/2018
AP-89 (37-41)	R183402-17	Water	08/21/2018	08/21/2018
SAP-37-1	R183403-01	Soil	08/22/2018	08/22/2018
SAP-37-4	R183403-02	Soil	08/22/2018	08/22/2018
SAP-37-8	R183403-03	Soil	08/22/2018	08/22/2018
SAP-37-12	R183403-04	Soil	08/22/2018	08/22/2018
SAP-37-16	R183403-05	Soil	08/22/2018	08/22/2018
SAP-38-1	R183403-06	Soil	08/22/2018	08/22/2018
SAP-38-4	R183403-07	Soil	08/22/2018	08/22/2018
SAP-38-8	R183403-08	Soil	08/22/2018	08/22/2018
SAP-38-12	R183403-09	Soil	08/22/2018	08/22/2018
SAP-38-16	R183403-10	Soil	08/22/2018	08/22/2018
SAP-39-1	R183403-11	Soil	08/22/2018	08/22/2018
SAP-39-4	R183403-12	Soil	08/22/2018	08/22/2018
SAP-39-8	R183403-13	Soil	08/22/2018	08/22/2018
SAP-39-12	R183403-14	Soil	08/22/2018	08/22/2018
SAP-39-16	R183403-15	Soil	08/22/2018	08/22/2018
SAP-40-1	R183403-16	Soil	08/22/2018	08/22/2018
SAP-40-4	R183403-17	Soil	08/22/2018	08/22/2018
SAP-40-8	R183403-18	Soil	08/22/2018	08/22/2018
SAP-40-12	R183403-19	Soil	08/22/2018	08/22/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-40-16	R183403-20	Soil	08/22/2018	08/22/2018
SAP-41-1	R183403-21	Soil	08/22/2018	08/22/2018
SAP-41-4	R183403-22	Soil	08/22/2018	08/22/2018
SAP-41-8	R183403-23	Soil	08/22/2018	08/22/2018
SAP-41-12	R183403-24	Soil	08/22/2018	08/22/2018
SAP-41-16	R183403-25	Soil	08/22/2018	08/22/2018
SAP-42-1	R183403-26	Soil	08/22/2018	08/22/2018
SAP-42-4	R183403-27	Soil	08/22/2018	08/22/2018
SAP-42-8	R183403-28	Soil	08/22/2018	08/22/2018
SAP-42-12	R183403-29	Soil	08/22/2018	08/22/2018
SAP-42-16	R183403-30	Soil	08/22/2018	08/22/2018
SAP-43-1	R183403-31	Soil	08/22/2018	08/22/2018
SAP-43-4	R183403-32	Soil	08/22/2018	08/22/2018
SAP-43-8	R183403-33	Soil	08/22/2018	08/22/2018
SAP-43-12	R183403-34	Soil	08/22/2018	08/22/2018
SAP-43-16	R183403-35	Soil	08/22/2018	08/22/2018
SAP-44-1	R183403-36	Soil	08/22/2018	08/22/2018
SAP-44-4	R183403-37	Soil	08/22/2018	08/22/2018
SAP-44-8	R183403-38	Soil	08/22/2018	08/22/2018
SAP-44-12	R183403-39	Soil	08/22/2018	08/22/2018
SAP-44-16	R183403-40	Soil	08/22/2018	08/22/2018
SAP-45-1	R183403-41	Soil	08/22/2018	08/22/2018
SAP-45-4	R183403-42	Soil	08/22/2018	08/22/2018
SAP-45-8	R183403-43	Soil	08/22/2018	08/22/2018
SAP-45-12	R183403-44	Soil	08/22/2018	08/22/2018
SAP-45-16	R183403-45	Soil	08/22/2018	08/22/2018
SAP-46-1	R183404-01	Soil	08/23/2018	08/23/2018
SAP-46-4	R183404-02	Soil	08/23/2018	08/23/2018
SAP-46-8	R183404-03	Soil	08/23/2018	08/23/2018
SAP-46-12	R183404-04	Soil	08/23/2018	08/23/2018
SAP-46-16	R183404-05	Soil	08/23/2018	08/23/2018



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAP-47-1	R183404-06	Soil	08/23/2018	08/23/2018
SAP-47-4	R183404-07	Soil	08/23/2018	08/23/2018
SAP-47-8	R183404-08	Soil	08/23/2018	08/23/2018
SAP-47-12	R183404-09	Soil	08/23/2018	08/23/2018
SAP-47-16	R183404-10	Soil	08/23/2018	08/23/2018
SAP-48-1	R183404-11	Soil	08/23/2018	08/23/2018
SAP-48-4	R183404-12	Soil	08/23/2018	08/23/2018
SAP-48-8	R183404-13	Soil	08/23/2018	08/23/2018
SAP-48-12	R183404-14	Soil	08/23/2018	08/23/2018
SAP-48-16	R183404-15	Soil	08/23/2018	08/23/2018



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AP-84 (74-78)
R183201-01 (Water)

Date Sampled
08/06/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Tetrachloroethene	0.75	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 19:15	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-84 (74-78)
R183201-01 (Water)

Date Sampled
08/06/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	96.4 %		70.8-139		08/06/2018	08/06/2018 19:15	EPA 8260B	
Surrogate: Toluene-d8	91.6 %		76.6-116		08/06/2018	08/06/2018 19:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.0 %		71.4-118		08/06/2018	08/06/2018 19:15	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-84 (66-70)
R183201-02 (Water)

Date Sampled
08/06/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Tetrachloroethene	0.91	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 16:36	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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AP-84 (66-70)

Date Sampled

R183201-02 (Water)

08/06/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	95.4 %	70.8-139			08/06/2018	08/06/2018 16:36	EPA 8260B	
Surrogate: Toluene-d8	90.5 %	76.6-116			08/06/2018	08/06/2018 16:36	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.5 %	71.4-118			08/06/2018	08/06/2018 16:36	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-84 (58-62)
R183201-03 (Water)

Date Sampled
08/06/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Tetrachloroethene	1.1	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 17:05	EPA 8260B	



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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-84 (58-62)
R183201-03 (Water)

Date Sampled
08/06/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	94.2 %	70.8-139			08/06/2018	08/06/2018 17:05	EPA 8260B	
Surrogate: Toluene-d8	91.8 %	76.6-116			08/06/2018	08/06/2018 17:05	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.6 %	71.4-118			08/06/2018	08/06/2018 17:05	EPA 8260B	



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Project: Tell City Investigation
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AP-84 (50-54)
R183201-04 (Water)

Date Sampled
08/06/2018 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Tetrachloroethene	1.1	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 17:33	EPA 8260B	



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AP-84 (50-54)

Date Sampled

R183201-04 (Water)

08/06/2018 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	97.0 %	70.8-139			08/06/2018	08/06/2018 17:33	EPA 8260B	
Surrogate: Toluene-d8	94.0 %	76.6-116			08/06/2018	08/06/2018 17:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.8 %	71.4-118			08/06/2018	08/06/2018 17:33	EPA 8260B	



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 Project Number: [none]

AP-84 (42-46)
R183201-05 (Water)

Date Sampled
08/06/2018 17:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Tetrachloroethene	1.6	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 18:18	EPA 8260B	



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AP-84 (42-46)

Date Sampled

R183201-05 (Water)

08/06/2018 17:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	94.8 %	70.8-139			08/06/2018	08/06/2018 18:18	EPA 8260B	
Surrogate: Toluene-d8	91.7 %	76.6-116			08/06/2018	08/06/2018 18:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.6 %	71.4-118			08/06/2018	08/06/2018 18:18	EPA 8260B	



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AP-84 (38-42)
R183201-06 (Water)

Date Sampled
08/06/2018 17:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Tetrachloroethene	0.66	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/06/2018	08/06/2018 18:46	EPA 8260B	



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AP-84 (38-42)

Date Sampled

R183201-06 (Water)

08/06/2018 17:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808001

Surrogate: Dibromofluoromethane	101 %	70.8-139			08/06/2018	08/06/2018 18:46	EPA 8260B	
Surrogate: Toluene-d8	92.2 %	76.6-116			08/06/2018	08/06/2018 18:46	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.2 %	71.4-118			08/06/2018	08/06/2018 18:46	EPA 8260B	



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AP-85 (90-94)
R183202-01 (Water)

Date Sampled
08/07/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Tetrachloroethene	2.7	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Toluene	0.51	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 13:02	EPA 8260B	



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AP-85 (90-94)
R183202-01 (Water)

Date Sampled
08/07/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	93.8 %	70.8-139			08/07/2018	08/07/2018 13:02	EPA 8260B	
Surrogate: Toluene-d8	92.2 %	76.6-116			08/07/2018	08/07/2018 13:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.9 %	71.4-118			08/07/2018	08/07/2018 13:02	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (82-86)
R183202-02 (Water)

Date Sampled
08/07/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Tetrachloroethene	2.7	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 14:28	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (82-86)
R183202-02 (Water)

Date Sampled
08/07/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	91.9 %	70.8-139			08/07/2018	08/07/2018 14:28	EPA 8260B	
Surrogate: Toluene-d8	94.5 %	76.6-116			08/07/2018	08/07/2018 14:28	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.3 %	71.4-118			08/07/2018	08/07/2018 14:28	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (74-78)
R183202-03 (Water)

Date Sampled
08/07/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Tetrachloroethene	1.6	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 14:57	EPA 8260B	



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AP-85 (74-78)

Date Sampled

R183202-03 (Water)

08/07/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	97.2 %	70.8-139			08/07/2018	08/07/2018 14:57	EPA 8260B	
Surrogate: Toluene-d8	96.6 %	76.6-116			08/07/2018	08/07/2018 14:57	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.2 %	71.4-118			08/07/2018	08/07/2018 14:57	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (66-70)
R183202-04 (Water)

Date Sampled
08/07/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Tetrachloroethene	1.1	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 13:31	EPA 8260B	



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AP-85 (66-70)
R183202-04 (Water)

Date Sampled
08/07/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

<i>Surrogate: Dibromofluoromethane</i>	93.6 %	70.8-139			08/07/2018	08/07/2018 13:31	EPA 8260B	
<i>Surrogate: Toluene-d8</i>	94.6 %	76.6-116			08/07/2018	08/07/2018 13:31	EPA 8260B	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.3 %	71.4-118			08/07/2018	08/07/2018 13:31	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (58-62)
R183202-05 (Water)

Date Sampled
08/07/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
cis-1,2-Dichloroethene	200	5.0	ug/kg	10	08/07/2018	08/07/2018 16:00	EPA 8260B	D
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Tetrachloroethene	1.9	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
trans-1,2-Dichloroethene	21	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Vinyl chloride	4.0	0.50	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 15:25	EPA 8260B	



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AP-85 (58-62)

Date Sampled

R183202-05 (Water)

08/07/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	93.8 %	70.8-139			08/07/2018	08/07/2018 15:25	EPA 8260B	
Surrogate: Toluene-d8	94.3 %	76.6-116			08/07/2018	08/07/2018 15:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.2 %	71.4-118			08/07/2018	08/07/2018 15:25	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (50-54)
R183202-06 (Water)

Date Sampled
08/07/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
cis-1,2-Dichloroethene	4.0	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Tetrachloroethene	0.80	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
trans-1,2-Dichloroethene	0.66	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Trichloroethene	20	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 22:14	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-85 (50-54)
R183202-06 (Water)

Date Sampled
08/07/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	100 %	70.8-139			08/07/2018	08/07/2018 22:14	EPA 8260B	
Surrogate: Toluene-d8	94.0 %	76.6-116			08/07/2018	08/07/2018 22:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.2 %	71.4-118			08/07/2018	08/07/2018 22:14	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (37-41)
R183202-07 (Water)

Date Sampled
08/07/2018 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
cis-1,2-Dichloroethene	0.56	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Tetrachloroethene	2.2	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Toluene	0.57	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Trichloroethene	0.86	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 13:59	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-85 (37-41)
R183202-07 (Water)

Date Sampled
08/07/2018 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	90.5 %	70.8-139			08/07/2018	08/07/2018 13:59	EPA 8260B	
Surrogate: Toluene-d8	93.2 %	76.6-116			08/07/2018	08/07/2018 13:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.0 %	71.4-118			08/07/2018	08/07/2018 13:59	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-82 (76-80)
R183202-08 (Water)

Date Sampled
08/07/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 22:42	EPA 8260B	



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AP-82 (76-80)

Date Sampled

R183202-08 (Water)

08/07/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	96.0 %	70.8-139	08/07/2018	08/07/2018 22:42	EPA 8260B
Surrogate: Toluene-d8	93.4 %	76.6-116	08/07/2018	08/07/2018 22:42	EPA 8260B
Surrogate: 4-Bromofluorobenzene	85.1 %	71.4-118	08/07/2018	08/07/2018 22:42	EPA 8260B



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Project: Tell City Investigation
 Project Number: [none]

AP-82 (68-72)
R183202-09 (Water)

Date Sampled
08/07/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
cis-1,2-Dichloroethene	22	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
trans-1,2-Dichloroethene	0.55	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/07/2018 23:11	EPA 8260B	



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AP-82 (68-72)

Date Sampled

R183202-09 (Water)

08/07/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	97.2 %	70.8-139			08/07/2018	08/07/2018 23:11	EPA 8260B	
Surrogate: Toluene-d8	95.3 %	76.6-116			08/07/2018	08/07/2018 23:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.7 %	71.4-118			08/07/2018	08/07/2018 23:11	EPA 8260B	



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AP-82 (60-64)
R183202-10 (Water)

Date Sampled
 08/07/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,1,2-Trichloroethane	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,1-Dichloroethane	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,1-Dichloroethene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,2,4-Trimethylbenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,2-Dichlorobenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,2-Dichloroethane	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,3-Dichlorobenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
1,4-Dichlorobenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
2-Chlorotoluene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
4-Chlorotoluene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Benzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Carbon tetrachloride	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Chlorobenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Chloroform	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Chloromethane	ND	5.0	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
cis-1,2-Dichloroethene	120	2.5	ug/kg	5	08/07/2018	08/08/2018 08:53	EPA 8260B	D
Ethylbenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Isopropylbenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
m,p-Xylene	ND	2.5	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Methylene chloride	ND	5.0	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Naphthalene	ND	13	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
n-Butyl Benzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
n-Propyl Benzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
o-Xylene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
p-Isopropyltoluene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
sec-Butyl Benzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Styrene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
tert-Butylbenzene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Tetrachloroethene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Toluene	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
trans-1,2-Dichloroethene	8.0	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	D
Trichloroethene	62	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	D
Vinyl chloride	ND	1.3	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	
Xylenes, total	ND	3.8	ug/kg	2.5	08/07/2018	08/07/2018 23:39	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-82 (60-64)
R183202-10 (Water)

Date Sampled
08/07/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	101 %	70.8-139			08/07/2018	08/07/2018 23:39	EPA 8260B	
Surrogate: Toluene-d8	96.4 %	76.6-116			08/07/2018	08/07/2018 23:39	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.1 %	71.4-118			08/07/2018	08/07/2018 23:39	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-82 (52-56)
R183202-11 (Water)

Date Sampled
08/07/2018 17:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
cis-1,2-Dichloroethene	4.8	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
trans-1,2-Dichloroethene	2.6	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	D
Trichloroethene	130	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/07/2018	08/07/2018 18:55	EPA 8260B	



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AP-82 (52-56)

Date Sampled

R183202-11 (Water)

08/07/2018 17:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	92.0 %	70.8-139			08/07/2018	08/07/2018 18:55	EPA 8260B	
Surrogate: Toluene-d8	96.4 %	76.6-116			08/07/2018	08/07/2018 18:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.5 %	71.4-118			08/07/2018	08/07/2018 18:55	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-82 (44-48)
R183202-12 (Water)

Date Sampled
08/07/2018 17:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,1-Dichloroethane	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,1-Dichloroethene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,2,4-Trichlorobenzene	ND	4.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,2,4-Trimethylbenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,2-Dichlorobenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,2-Dichloroethane	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,3-Dichlorobenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
1,4-Dichlorobenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
2-Chlorotoluene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
4-Chlorotoluene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Benzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Carbon tetrachloride	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Chlorobenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Chloroform	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Chloromethane	ND	4.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
cis-1,2-Dichloroethene	1.2	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	D
Ethylbenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Isopropylbenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
m,p-Xylene	ND	2.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Methylene chloride	ND	4.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Naphthalene	ND	10	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
n-Butyl Benzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
n-Propyl Benzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
o-Xylene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
p-Isopropyltoluene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
sec-Butyl Benzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Styrene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
tert-Butylbenzene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Tetrachloroethene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Toluene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Trichloroethene	70	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	D
Vinyl chloride	ND	1.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	
Xylenes, total	ND	3.0	ug/kg	2	08/07/2018	08/08/2018 00:07	EPA 8260B	



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AP-82 (44-48)
R183202-12 (Water)

Date Sampled
08/07/2018 17:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	101 %	70.8-139			08/07/2018	08/08/2018 00:07	EPA 8260B	
Surrogate: Toluene-d8	94.8 %	76.6-116			08/07/2018	08/08/2018 00:07	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.4 %	71.4-118			08/07/2018	08/08/2018 00:07	EPA 8260B	



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Project: Tell City Investigation
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AP-82 (36-40)
R183202-13 (Water)

Date Sampled
08/07/2018 17:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
cis-1,2-Dichloroethene	0.84	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Toluene	0.74	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Trichloroethene	22	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/07/2018	08/08/2018 00:36	EPA 8260B	



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AP-82 (36-40)

R183202-13 (Water)

Date Sampled
08/07/2018 17:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808002

Surrogate: Dibromofluoromethane	94.3 %	70.8-139			08/07/2018	08/08/2018 00:36	EPA 8260B	
Surrogate: Toluene-d8	93.0 %	76.6-116			08/07/2018	08/08/2018 00:36	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.9 %	71.4-118			08/07/2018	08/08/2018 00:36	EPA 8260B	



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AP-86 (78-82)
R183203-01 (Water)

Date Sampled
08/08/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 13:42	EPA 8260B	



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AP-86 (78-82)

Date Sampled

R183203-01 (Water)

08/08/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	97.9 %	70.8-139			08/08/2018	08/08/2018 13:42	EPA 8260B	
Surrogate: Toluene-d8	94.5 %	76.6-116			08/08/2018	08/08/2018 13:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.4 %	71.4-118			08/08/2018	08/08/2018 13:42	EPA 8260B	



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AP-86 (70-74)
R183203-02 (Water)

Date Sampled
08/08/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
cis-1,2-Dichloroethene	11	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 09:51	EPA 8260B	



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AP-86 (70-74)

Date Sampled

R183203-02 (Water)

08/08/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	95.3 %	70.8-139			08/08/2018	08/08/2018 09:51	EPA 8260B	
Surrogate: Toluene-d8	94.4 %	76.6-116			08/08/2018	08/08/2018 09:51	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.4 %	71.4-118			08/08/2018	08/08/2018 09:51	EPA 8260B	



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AP-86 (62-66)
R183203-03 (Water)

Date Sampled
 08/08/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
cis-1,2-Dichloroethene	44	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
trans-1,2-Dichloroethene	1.8	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Vinyl chloride	6.3	0.50	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 14:14	EPA 8260B	



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AP-86 (62-66)
R183203-03 (Water)

Date Sampled
08/08/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	97.1 %	70.8-139			08/08/2018	08/08/2018 14:14	EPA 8260B	
Surrogate: Toluene-d8	95.4 %	76.6-116			08/08/2018	08/08/2018 14:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.0 %	71.4-118			08/08/2018	08/08/2018 14:14	EPA 8260B	



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AP-86 (58-62)
R183203-04 (Water)

Date Sampled
08/08/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
cis-1,2-Dichloroethene	520	10	ug/kg	20	08/08/2018	08/08/2018 17:33	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
trans-1,2-Dichloroethene	47	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	D
Trichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Vinyl chloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/08/2018	08/08/2018 10:51	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-86 (58-62)
R183203-04 (Water)

Date Sampled
08/08/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	97.1 %	70.8-139			08/08/2018	08/08/2018 10:51	EPA 8260B	
Surrogate: Toluene-d8	95.4 %	76.6-116			08/08/2018	08/08/2018 10:51	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.6 %	71.4-118			08/08/2018	08/08/2018 10:51	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-86 (54-58)
R183203-05 (Water)

Date Sampled
 08/08/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
cis-1,2-Dichloroethene	120	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
trans-1,2-Dichloroethene	10	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	D
Trichloroethene	19	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/08/2018	08/08/2018 11:19	EPA 8260B	



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AP-86 (54-58)

Date Sampled

R183203-05 (Water)

08/08/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	97.9 %	70.8-139			08/08/2018	08/08/2018 11:19	EPA 8260B	
Surrogate: Toluene-d8	94.8 %	76.6-116			08/08/2018	08/08/2018 11:19	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.8 %	71.4-118			08/08/2018	08/08/2018 11:19	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-86 (50-54)
R183203-06 (Water)

Date Sampled
 08/08/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
cis-1,2-Dichloroethene	110	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
trans-1,2-Dichloroethene	8.4	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	D
Trichloroethene	16	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/08/2018	08/08/2018 11:48	EPA 8260B	



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AP-86 (50-54)

Date Sampled

R183203-06 (Water)

08/08/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	97.3 %	70.8-139	08/08/2018	08/08/2018 11:48	EPA 8260B
Surrogate: Toluene-d8	94.4 %	76.6-116	08/08/2018	08/08/2018 11:48	EPA 8260B
Surrogate: 4-Bromofluorobenzene	96.3 %	71.4-118	08/08/2018	08/08/2018 11:48	EPA 8260B



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AP-86 (46-50)
R183203-07 (Water)

Date Sampled
08/08/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Benzene	0.60	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
cis-1,2-Dichloroethene	27	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
trans-1,2-Dichloroethene	1.9	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Trichloroethene	14	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 18:59	EPA 8260B	



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AP-86 (46-50)

Date Sampled

R183203-07 (Water)

08/08/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 18:59	EPA 8260B	
Surrogate: Toluene-d8	95.9 %	76.6-116			08/08/2018	08/08/2018 18:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.5 %	71.4-118			08/08/2018	08/08/2018 18:59	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-86 (38-42)
R183203-08 (Water)

Date Sampled
08/08/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
cis-1,2-Dichloroethene	3.7	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Toluene	0.62	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Trichloroethene	1.3	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 19:27	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-86 (38-42)
R183203-08 (Water)

Date Sampled
08/08/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 19:27	EPA 8260B	
Surrogate: Toluene-d8	96.8 %	76.6-116			08/08/2018	08/08/2018 19:27	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.1 %	71.4-118			08/08/2018	08/08/2018 19:27	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-81 (66-70)
R183203-09 (Water)

Date Sampled
08/08/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 19:55	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-81 (66-70)
R183203-09 (Water)

Date Sampled
08/08/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 19:55	EPA 8260B	
Surrogate: Toluene-d8	94.7 %	76.6-116			08/08/2018	08/08/2018 19:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.9 %	71.4-118			08/08/2018	08/08/2018 19:55	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-81 (60-64)
R183203-10 (Water)

Date Sampled
 08/08/2018 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
cis-1,2-Dichloroethene	2.6	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Trichloroethene	9.1	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 20:24	EPA 8260B	



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AP-81 (60-64)

R183203-10 (Water)

Date Sampled
08/08/2018 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 20:24	EPA 8260B	
Surrogate: Toluene-d8	97.7 %	76.6-116			08/08/2018	08/08/2018 20:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.7 %	71.4-118			08/08/2018	08/08/2018 20:24	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-81 (54-58)
R183203-11 (Water)

Date Sampled
08/08/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
cis-1,2-Dichloroethene	4.3	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
trans-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Trichloroethene	77	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/08/2018	08/08/2018 15:39	EPA 8260B	



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AP-81 (54-58)

Date Sampled

R183203-11 (Water)

08/08/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	98.9 %	70.8-139			08/08/2018	08/08/2018 15:39	EPA 8260B	
Surrogate: Toluene-d8	97.0 %	76.6-116			08/08/2018	08/08/2018 15:39	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.5 %	71.4-118			08/08/2018	08/08/2018 15:39	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-81 (48-52)
R183203-12 (Water)

Date Sampled
08/08/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
cis-1,2-Dichloroethene	8.5	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
n-Butyl Benzene	1.4	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
sec-Butyl Benzene	3.3	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Trichloroethene	9.3	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 20:52	EPA 8260B	



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AP-81 (48-52)

R183203-12 (Water)

Date Sampled
08/08/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 20:52	EPA 8260B	
Surrogate: Toluene-d8	94.7 %	76.6-116			08/08/2018	08/08/2018 20:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.7 %	71.4-118			08/08/2018	08/08/2018 20:52	EPA 8260B	



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AP-81 (42-46)
R183203-13 (Water)

Date Sampled
08/08/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
cis-1,2-Dichloroethene	0.70	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Toluene	0.85	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Trichloroethene	2.5	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 21:20	EPA 8260B	



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AP-81 (42-46)
R183203-13 (Water)

Date Sampled
08/08/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	102 %	70.8-139			08/08/2018	08/08/2018 21:20	EPA 8260B	
Surrogate: Toluene-d8	94.7 %	76.6-116			08/08/2018	08/08/2018 21:20	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.7 %	71.4-118			08/08/2018	08/08/2018 21:20	EPA 8260B	



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Project: Tell City Investigation
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AP-81 (38-42)
R183203-14 (Water)

Date Sampled
08/08/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Toluene	0.68	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Trichloroethene	2.2	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/08/2018	08/08/2018 21:49	EPA 8260B	



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AP-81 (38-42)
R183203-14 (Water)

Date Sampled
08/08/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808003

Surrogate: Dibromofluoromethane	103 %	70.8-139			08/08/2018	08/08/2018 21:49	EPA 8260B	
Surrogate: Toluene-d8	94.1 %	76.6-116			08/08/2018	08/08/2018 21:49	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.1 %	71.4-118			08/08/2018	08/08/2018 21:49	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-78 (88-92)
R183204-01 (Water)

Date Sampled
08/09/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 19:24	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-78 (88-92)
R183204-01 (Water)

Date Sampled
08/09/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	103 %	70.8-139			08/09/2018	08/09/2018 19:24	EPA 8260B	
Surrogate: Toluene-d8	85.1 %	76.6-116			08/09/2018	08/09/2018 19:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.4 %	71.4-118			08/09/2018	08/09/2018 19:24	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-78 (80-84)
R183204-02 (Water)

Date Sampled
08/09/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 10:06	EPA 8260B	



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AP-78 (80-84)

Date Sampled

R183204-02 (Water)

08/09/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	94.7 %	70.8-139			08/09/2018	08/09/2018 10:06	EPA 8260B	
Surrogate: Toluene-d8	88.7 %	76.6-116			08/09/2018	08/09/2018 10:06	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.3 %	71.4-118			08/09/2018	08/09/2018 10:06	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-78 (72-76)
R183204-03 (Water)

Date Sampled
08/09/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 10:35	EPA 8260B	



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AP-78 (72-76)

Date Sampled

R183204-03 (Water)

08/09/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	92.6 %	70.8-139			08/09/2018	08/09/2018 10:35	EPA 8260B	
Surrogate: Toluene-d8	87.3 %	76.6-116			08/09/2018	08/09/2018 10:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.0 %	71.4-118			08/09/2018	08/09/2018 10:35	EPA 8260B	



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AP-78 (64-68)
R183204-04 (Water)

Date Sampled
08/09/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
cis-1,2-Dichloroethene	2.2	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 11:06	EPA 8260B	



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AP-78 (64-68)
R183204-04 (Water)

Date Sampled
08/09/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	94.2 %	70.8-139			08/09/2018	08/09/2018 11:06	EPA 8260B	
Surrogate: Toluene-d8	88.7 %	76.6-116			08/09/2018	08/09/2018 11:06	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.9 %	71.4-118			08/09/2018	08/09/2018 11:06	EPA 8260B	



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Project: Tell City Investigation
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AP-78 (56-60)
R183204-05 (Water)

Date Sampled
08/09/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
cis-1,2-Dichloroethene	69	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	D
Ethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	
trans-1,2-Dichloroethene	7.0	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	D
Trichloroethene	75	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	D
Vinyl chloride	27	2.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	D
Xylenes, total	ND	6.0	ug/kg	4	08/09/2018	08/09/2018 11:34	EPA 8260B	



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AP-78 (56-60)

Date Sampled

R183204-05 (Water)

08/09/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	92.6 %	70.8-139			08/09/2018	08/09/2018 11:34	EPA 8260B	
Surrogate: Toluene-d8	87.7 %	76.6-116			08/09/2018	08/09/2018 11:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.2 %	71.4-118			08/09/2018	08/09/2018 11:34	EPA 8260B	



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AP-78 (50-54)
R183204-06 (Water)

Date Sampled
08/09/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,1,2-Trichloroethane	0.71	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
cis-1,2-Dichloroethene	6.7	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Tetrachloroethene	20	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
trans-1,2-Dichloroethene	7.9	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Trichloroethene	34	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Vinyl chloride	1.8	0.50	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 19:52	EPA 8260B	

Surrogate: Dibromofluoromethane

104 % 70.8-139 08/09/2018 08/09/2018 19:52 EPA 8260B



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AP-78 (50-54)

Date Sampled

R183204-06 (Water)

08/09/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Toluene-d8	86.7 %	76.6-116			08/09/2018	08/09/2018 19:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.5 %	71.4-118			08/09/2018	08/09/2018 19:52	EPA 8260B	



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AP-78 (44-48)
R183204-07 (Water)

Date Sampled
08/09/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
cis-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Ethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Tetrachloroethene	66	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	D
Toluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
trans-1,2-Dichloroethene	4.4	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	D
Trichloroethene	28	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/09/2018	08/09/2018 12:43	EPA 8260B	



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AP-78 (44-48)

Date Sampled

R183204-07 (Water)

08/09/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	94.4 %	70.8-139			08/09/2018	08/09/2018 12:43	EPA 8260B	
Surrogate: Toluene-d8	87.3 %	76.6-116			08/09/2018	08/09/2018 12:43	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.3 %	71.4-118			08/09/2018	08/09/2018 12:43	EPA 8260B	



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AP-78 (38-42)
R183204-08 (Water)

Date Sampled
08/09/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,1,2-Trichloroethane	2.4	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	D
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Ethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Tetrachloroethene	72	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	D
Toluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Trichloroethene	4.3	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/09/2018	08/09/2018 13:12	EPA 8260B	



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AP-78 (38-42)

Date Sampled

R183204-08 (Water)

08/09/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	95.1 %	70.8-139			08/09/2018	08/09/2018 13:12	EPA 8260B	
Surrogate: Toluene-d8	87.5 %	76.6-116			08/09/2018	08/09/2018 13:12	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.8 %	71.4-118			08/09/2018	08/09/2018 13:12	EPA 8260B	



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AP-88 (92-96)
R183204-09 (Water)

Date Sampled
08/09/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Tetrachloroethene	1.0	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 14:31	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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AP-88 (92-96)

Date Sampled

R183204-09 (Water)

08/09/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	98.9 %	70.8-139			08/09/2018	08/09/2018 14:31	EPA 8260B	
Surrogate: Toluene-d8	89.1 %	76.6-116			08/09/2018	08/09/2018 14:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.7 %	71.4-118			08/09/2018	08/09/2018 14:31	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (84-88)
R183204-10 (Water)

Date Sampled
08/09/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Tetrachloroethene	0.90	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 15:03	EPA 8260B	



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AP-88 (84-88)

Date Sampled

R183204-10 (Water)

08/09/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	97.8 %	70.8-139			08/09/2018	08/09/2018 15:03	EPA 8260B	
Surrogate: Toluene-d8	87.2 %	76.6-116			08/09/2018	08/09/2018 15:03	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.1 %	71.4-118			08/09/2018	08/09/2018 15:03	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (76-80)
R183204-11 (Water)

Date Sampled
08/09/2018 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 15:31	EPA 8260B	



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AP-88 (76-80)

Date Sampled

R183204-11 (Water)

08/09/2018 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	96.4 %	70.8-139			08/09/2018	08/09/2018 15:31	EPA 8260B	
Surrogate: Toluene-d8	88.1 %	76.6-116			08/09/2018	08/09/2018 15:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.4 %	71.4-118			08/09/2018	08/09/2018 15:31	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (68-72)
R183204-12 (Water)

Date Sampled
08/09/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Tetrachloroethene	0.53	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 16:00	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-88 (68-72)
R183204-12 (Water)

Date Sampled
08/09/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	98.4 %	70.8-139			08/09/2018	08/09/2018 16:00	EPA 8260B	
Surrogate: Toluene-d8	87.6 %	76.6-116			08/09/2018	08/09/2018 16:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.7 %	71.4-118			08/09/2018	08/09/2018 16:00	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (60-64)
R183204-13 (Water)

Date Sampled
 08/09/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,2-Dichloroethane	0.68	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
cis-1,2-Dichloroethene	3.0	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Tetrachloroethene	1.5	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Trichloroethene	3.7	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	HC
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 16:29	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (60-64)
R183204-13 (Water)

Date Sampled
08/09/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	95.7 %	70.8-139			08/09/2018	08/09/2018 16:29	EPA 8260B	
Surrogate: Toluene-d8	88.3 %	76.6-116			08/09/2018	08/09/2018 16:29	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.2 %	71.4-118			08/09/2018	08/09/2018 16:29	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (52-56)
R183204-14 (Water)

Date Sampled
08/09/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,1,2-Trichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,1-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,1-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,2-Dichloroethane	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
2-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
4-Chlorotoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Carbon tetrachloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Chlorobenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Chloroform	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Chloromethane	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Ethylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Isopropylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
m,p-Xylene	ND	4.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Methylene chloride	ND	8.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Naphthalene	ND	20	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
n-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
n-Propyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
o-Xylene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
p-Isopropyltoluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
sec-Butyl Benzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Styrene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
tert-Butylbenzene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Tetrachloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Toluene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Trichloroethene	85	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	D
Vinyl chloride	ND	2.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	
Xylenes, total	ND	6.0	ug/kg	4	08/09/2018	08/09/2018 17:02	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (52-56)
R183204-14 (Water)

Date Sampled
08/09/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	98.2 %	70.8-139			08/09/2018	08/09/2018 17:02	EPA 8260B	
Surrogate: Toluene-d8	87.8 %	76.6-116			08/09/2018	08/09/2018 17:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.2 %	71.4-118			08/09/2018	08/09/2018 17:02	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-88 (44-48)
R183204-15 (Water)

Date Sampled
08/09/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	1.1	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Tetrachloroethene	1.3	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Trichloroethene	4.2	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 20:21	EPA 8260B	



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AP-88 (44-48)

R183204-15 (Water)

Date Sampled
08/09/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	100 %	70.8-139			08/09/2018	08/09/2018 20:21	EPA 8260B	
Surrogate: Toluene-d8	87.3 %	76.6-116			08/09/2018	08/09/2018 20:21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.4 %	71.4-118			08/09/2018	08/09/2018 20:21	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (38-42)
R183204-16 (Water)

Date Sampled
08/09/2018 16:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Tetrachloroethene	1.4	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Trichloroethene	1.6	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/09/2018	08/09/2018 20:49	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-88 (38-42)
R183204-16 (Water)

Date Sampled
08/09/2018 16:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808004

Surrogate: Dibromofluoromethane	96.0 %	70.8-139			08/09/2018	08/09/2018 20:49	EPA 8260B	
Surrogate: Toluene-d8	85.2 %	76.6-116			08/09/2018	08/09/2018 20:49	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.3 %	71.4-118			08/09/2018	08/09/2018 20:49	EPA 8260B	



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SAP-1-1
R183205-01 (Soil)

Date Sampled
08/09/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	
Xylenes, total	ND	81	ug/kg dry	1	08/11/2018	08/13/2018 11:35	EPA 8260B	



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SAP-1-1
R183205-01 (Soil)

Date Sampled
08/09/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	84.0 %			60.3-124	08/11/2018	08/13/2018 11:35	EPA 8260B	
Surrogate: Toluene-d8	90.7 %			63.1-121	08/11/2018	08/13/2018 11:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.5 %			33.2-155	08/11/2018	08/13/2018 11:35	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	90.3	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-1-4
R183205-02 (Soil)

Date Sampled
08/09/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	
Xylenes, total	ND	76	ug/kg dry	1	08/11/2018	08/13/2018 12:02	EPA 8260B	



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SAP-1-4

R183205-02 (Soil)

Date Sampled
08/09/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	87.5 %	60.3-124	08/11/2018	08/13/2018 12:02	EPA 8260B
Surrogate: Toluene-d8	88.3 %	63.1-121	08/11/2018	08/13/2018 12:02	EPA 8260B
Surrogate: 4-Bromofluorobenzene	92.3 %	33.2-155	08/11/2018	08/13/2018 12:02	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	83.9	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-1-8
R183205-03 (Soil)

Date Sampled
08/09/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/11/2018	08/13/2018 13:21	EPA 8260B	



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SAP-1-8
R183205-03 (Soil)

Date Sampled
 08/09/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	78.9 %			60.3-124	08/11/2018	08/13/2018 13:21	EPA 8260B	
Surrogate: Toluene-d8	79.2 %			63.1-121	08/11/2018	08/13/2018 13:21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %			33.2-155	08/11/2018	08/13/2018 13:21	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	80.2	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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SAP-1-12
R183205-04 (Soil)

Date Sampled
08/09/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Chloromethane	ND	56	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
cis-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
m,p-Xylene	ND	56	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Trichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Vinyl chloride	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	
Xylenes, total	ND	84	ug/kg dry	1	08/11/2018	08/13/2018 13:47	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-1-12
R183205-04 (Soil)

Date Sampled
08/09/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	82.7 %	60.3-124	08/11/2018	08/13/2018 13:47	EPA 8260B
Surrogate: Toluene-d8	83.2 %	63.1-121	08/11/2018	08/13/2018 13:47	EPA 8260B
Surrogate: 4-Bromofluorobenzene	88.4 %	33.2-155	08/11/2018	08/13/2018 13:47	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	78.3	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-1-16
R183205-05 (Soil)

Date Sampled
08/09/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,1,2-Trichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,1-Dichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,1-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,2-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,2-Dichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,3-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
1,4-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
2-Chlorotoluene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
4-Chlorotoluene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Benzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Carbon tetrachloride	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Chlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Chloroform	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Chloromethane	ND	64	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
cis-1,2-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Ethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Isopropylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
m,p-Xylene	ND	64	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Methylene chloride	ND	130	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Naphthalene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
n-Butyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
n-Propyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
o-Xylene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
p-Isopropyltoluene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
sec-Butyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Styrene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
tert-Butylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Tetrachloroethene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Toluene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
trans-1,2-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Trichloroethene	53	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Vinyl chloride	ND	32	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	
Xylenes, total	ND	95	ug/kg dry	1	08/11/2018	08/13/2018 14:14	EPA 8260B	



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SAP-1-16
R183205-05 (Soil)

Date Sampled
 08/09/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	83.4 %		60.3-124		08/11/2018	08/13/2018 14:14	EPA 8260B	
Surrogate: Toluene-d8	87.2 %		63.1-121		08/11/2018	08/13/2018 14:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.0 %		33.2-155		08/11/2018	08/13/2018 14:14	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	85.6	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-2-1
R183205-06 (Soil)

Date Sampled
08/09/2018 09:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/11/2018	08/13/2018 15:33	EPA 8260B	



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SAP-2-1
R183205-06 (Soil)

Date Sampled
 08/09/2018 09:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	80.8 %			60.3-124	08/11/2018	08/13/2018 15:33	EPA 8260B	
Surrogate: Toluene-d8	85.1 %			63.1-121	08/11/2018	08/13/2018 15:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.9 %			33.2-155	08/11/2018	08/13/2018 15:33	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	86.4	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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 Project Number: [none]

SAP-2-4
R183205-07 (Soil)

Date Sampled
08/09/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/11/2018	08/13/2018 15:59	EPA 8260B	



2525 Advance Road
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 608.221.8700 Phone
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-2-4
R183205-07 (Soil)

Date Sampled
08/09/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	77.9 %		60.3-124		08/11/2018	08/13/2018 15:59	EPA 8260B	
Surrogate: Toluene-d8	80.6 %		63.1-121		08/11/2018	08/13/2018 15:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.4 %		33.2-155		08/11/2018	08/13/2018 15:59	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	80.5	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-2-8
R183205-08 (Soil)

Date Sampled
08/09/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/13/2018 16:25	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-2-8
R183205-08 (Soil)

Date Sampled
08/09/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	80.2 %		60.3-124		08/11/2018	08/13/2018 16:25	EPA 8260B	
Surrogate: Toluene-d8	80.5 %		63.1-121		08/11/2018	08/13/2018 16:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.7 %		33.2-155		08/11/2018	08/13/2018 16:25	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	82.1	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-2-12
R183205-09 (Soil)

Date Sampled
08/09/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/11/2018	08/13/2018 16:52	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-2-12
R183205-09 (Soil)

Date Sampled
 08/09/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	71.2 %	60.3-124			08/11/2018	08/13/2018 16:52	EPA 8260B	
Surrogate: Toluene-d8	77.8 %	63.1-121			08/11/2018	08/13/2018 16:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	78.7 %	33.2-155			08/11/2018	08/13/2018 16:52	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	76.9	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-2-16
R183205-10 (Soil)

Date Sampled
08/09/2018 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/11/2018	08/13/2018 17:18	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-2-16
R183205-10 (Soil)

Date Sampled
08/09/2018 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	82.3 %		60.3-124		08/11/2018	08/13/2018 17:18	EPA 8260B	
Surrogate: Toluene-d8	83.6 %		63.1-121		08/11/2018	08/13/2018 17:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %		33.2-155		08/11/2018	08/13/2018 17:18	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	79.0	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-3-1
R183205-11 (Soil)

Date Sampled
08/09/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	
Xylenes, total	ND	78	ug/kg dry	1	08/11/2018	08/13/2018 17:44	EPA 8260B	



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SAP-3-1
R183205-11 (Soil)

Date Sampled
08/09/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	83.5 %			60.3-124	08/11/2018	08/13/2018 17:44	EPA 8260B	
Surrogate: Toluene-d8	87.9 %			63.1-121	08/11/2018	08/13/2018 17:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.9 %			33.2-155	08/11/2018	08/13/2018 17:44	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	86.8	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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SAP-3-4
R183205-12 (Soil)

Date Sampled
08/09/2018 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/11/2018	08/13/2018 18:11	EPA 8260B	



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SAP-3-4

R183205-12 (Soil)

Date Sampled
08/09/2018 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	78.3 %	60.3-124	08/11/2018	08/13/2018 18:11	EPA 8260B
Surrogate: Toluene-d8	82.5 %	63.1-121	08/11/2018	08/13/2018 18:11	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.8 %	33.2-155	08/11/2018	08/13/2018 18:11	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	78.9	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B
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 Project Number: [none]

SAP-3-8
R183205-13 (Soil)

Date Sampled
08/09/2018 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/11/2018	08/13/2018 18:37	EPA 8260B	



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SAP-3-8
R183205-13 (Soil)

Date Sampled
 08/09/2018 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	80.1 %	60.3-124			08/11/2018	08/13/2018 18:37	EPA 8260B	
Surrogate: Toluene-d8	80.9 %	63.1-121			08/11/2018	08/13/2018 18:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.7 %	33.2-155			08/11/2018	08/13/2018 18:37	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	79.3	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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SAP-3-12
R183205-14 (Soil)

Date Sampled
08/09/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	
Xylenes, total	ND	77	ug/kg dry	1	08/11/2018	08/13/2018 19:03	EPA 8260B	



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SAP-3-12
R183205-14 (Soil)

Date Sampled
08/09/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	81.3 %			60.3-124	08/11/2018	08/13/2018 19:03	EPA 8260B	
Surrogate: Toluene-d8	82.2 %			63.1-121	08/11/2018	08/13/2018 19:03	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.2 %			33.2-155	08/11/2018	08/13/2018 19:03	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	78.7	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-3-16
R183205-15 (Soil)

Date Sampled
08/09/2018 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	
Xylenes, total	ND	76	ug/kg dry	1	08/11/2018	08/13/2018 19:30	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-3-16

R183205-15 (Soil)

Date Sampled
08/09/2018 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	79.4 %	60.3-124		08/11/2018	08/13/2018 19:30	EPA 8260B
Surrogate: Toluene-d8	82.1 %	63.1-121		08/11/2018	08/13/2018 19:30	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.4 %	33.2-155		08/11/2018	08/13/2018 19:30	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	76.7	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-4-1
R183205-16 (Soil)

Date Sampled
08/09/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	
Xylenes, total	ND	81	ug/kg dry	1	08/11/2018	08/13/2018 21:16	EPA 8260B	



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SAP-4-1
R183205-16 (Soil)

Date Sampled
 08/09/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	85.1 %	60.3-124			08/11/2018	08/13/2018 21:16	EPA 8260B	
Surrogate: Toluene-d8	89.2 %	63.1-121			08/11/2018	08/13/2018 21:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.8 %	33.2-155			08/11/2018	08/13/2018 21:16	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	90.6	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-4-4
R183205-17 (Soil)

Date Sampled
08/09/2018 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Chloromethane	ND	57	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
m,p-Xylene	ND	57	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Trichloroethene	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Vinyl chloride	ND	28	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	
Xylenes, total	ND	85	ug/kg dry	1	08/11/2018	08/13/2018 21:42	EPA 8260B	



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SAP-4-4
R183205-17 (Soil)

Date Sampled
08/09/2018 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	81.4 %	60.3-124			08/11/2018	08/13/2018 21:42	EPA 8260B	
Surrogate: Toluene-d8	83.0 %	63.1-121			08/11/2018	08/13/2018 21:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.7 %	33.2-155			08/11/2018	08/13/2018 21:42	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	82.8	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-4-8
R183205-18 (Soil)

Date Sampled
08/09/2018 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Methylene chloride	ND	89	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/11/2018	08/13/2018 22:08	EPA 8260B	



2525 Advance Road
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 608.221.8700 Phone
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-4-8
R183205-18 (Soil)

Date Sampled
 08/09/2018 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	79.2 %		60.3-124		08/11/2018	08/13/2018 22:08	EPA 8260B	
Surrogate: Toluene-d8	80.6 %		63.1-121		08/11/2018	08/13/2018 22:08	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.8 %		33.2-155		08/11/2018	08/13/2018 22:08	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	83.7	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-4-12
R183205-19 (Soil)

Date Sampled
08/09/2018 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/13/2018 22:35	EPA 8260B	



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Project: Tell City Investigation
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SAP-4-12
R183205-19 (Soil)

Date Sampled
 08/09/2018 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	79.0 %			60.3-124	08/11/2018	08/13/2018 22:35	EPA 8260B	
Surrogate: Toluene-d8	80.4 %			63.1-121	08/11/2018	08/13/2018 22:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %			33.2-155	08/11/2018	08/13/2018 22:35	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	79.8	0.00	% by Weight		1	08/11/2018	08/12/2018 15:04	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-4-16
R183205-20 (Soil)

Date Sampled
08/09/2018 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/11/2018	08/13/2018 23:01	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-4-16
R183205-20 (Soil)

Date Sampled
 08/09/2018 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808006

Surrogate: 1-Bromo-2-chloroethane	83.7 %		60.3-124		08/11/2018	08/13/2018 23:01	EPA 8260B	
Surrogate: Toluene-d8	82.1 %		63.1-121		08/11/2018	08/13/2018 23:01	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.9 %		33.2-155		08/11/2018	08/13/2018 23:01	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808008

% Solids	77.2	0.00	% by Weight	1	08/11/2018	08/12/2018 15:04	SM 2540B	
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-5-1
R183205-21 (Soil)

Date Sampled
08/09/2018 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,1,2-Trichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,1-Dichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,1-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,2-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,2-Dichloroethane	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,3-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
1,4-Dichlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
2-Chlorotoluene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
4-Chlorotoluene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Benzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Carbon tetrachloride	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Chlorobenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Chloroform	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Chloromethane	ND	64	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
cis-1,2-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Ethylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Isopropylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
m,p-Xylene	ND	64	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Methylene chloride	ND	130	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Naphthalene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
n-Butyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
n-Propyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
o-Xylene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
p-Isopropyltoluene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
sec-Butyl Benzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Styrene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
tert-Butylbenzene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Tetrachloroethene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Toluene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
trans-1,2-Dichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Trichloroethene	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Vinyl chloride	ND	32	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	
Xylenes, total	ND	96	ug/kg dry	1	08/11/2018	08/14/2018 00:46	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-5-1
R183205-21 (Soil)

Date Sampled
08/09/2018 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	69.3 %			60.3-124	08/11/2018	08/14/2018 00:46	EPA 8260B	
Surrogate: Toluene-d8	71.6 %			63.1-121	08/11/2018	08/14/2018 00:46	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	74.7 %			33.2-155	08/11/2018	08/14/2018 00:46	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	90.9	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-5-4
R183205-22 (Soil)

Date Sampled
08/09/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/14/2018 01:12	EPA 8260B	



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SAP-5-4
R183205-22 (Soil)

Date Sampled
 08/09/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	84.1 %	60.3-124	08/11/2018	08/14/2018 01:12	EPA 8260B
Surrogate: Toluene-d8	85.0 %	63.1-121	08/11/2018	08/14/2018 01:12	EPA 8260B
Surrogate: 4-Bromofluorobenzene	92.0 %	33.2-155	08/11/2018	08/14/2018 01:12	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	85.6	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B
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 Project Number: [none]

SAP-5-8
R183205-23 (Soil)

Date Sampled
08/09/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/14/2018 02:31	EPA 8260B	



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SAP-5-8
R183205-23 (Soil)

Date Sampled
 08/09/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	80.0 %			60.3-124	08/11/2018	08/14/2018 02:31	EPA 8260B	
Surrogate: Toluene-d8	84.0 %			63.1-121	08/11/2018	08/14/2018 02:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.2 %			33.2-155	08/11/2018	08/14/2018 02:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	87.5	0.00	% by Weight		1	08/11/2018	08/13/2018 11:05	SM 2540B
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SAP-5-12
R183205-24 (Soil)

Date Sampled
08/09/2018 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	LC
cis-1,2-Dichloroethene	1200	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
trans-1,2-Dichloroethene	66	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Trichloroethene	280	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	
Xylenes, total	ND	78	ug/kg dry	1	08/11/2018	08/14/2018 02:57	EPA 8260B	



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SAP-5-12

R183205-24 (Soil)

Date Sampled
08/09/2018 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	86.8 %		60.3-124		08/11/2018	08/14/2018 02:57	EPA 8260B	
Surrogate: Toluene-d8	90.5 %		63.1-121		08/11/2018	08/14/2018 02:57	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.7 %		33.2-155		08/11/2018	08/14/2018 02:57	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	83.7	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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SAP-5-16
R183205-25 (Soil)

Date Sampled
08/09/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	LC
cis-1,2-Dichloroethene	290	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Trichloroethene	33	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/11/2018	08/14/2018 03:23	EPA 8260B	



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SAP-5-16
R183205-25 (Soil)

Date Sampled
 08/09/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	82.7 %		60.3-124		08/11/2018	08/14/2018 03:23	EPA 8260B	
Surrogate: Toluene-d8	84.2 %		63.1-121		08/11/2018	08/14/2018 03:23	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.2 %		33.2-155		08/11/2018	08/14/2018 03:23	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	82.1	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-6-1
R183205-26 (Soil)

Date Sampled
08/09/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	
Xylenes, total	ND	80	ug/kg dry	1	08/11/2018	08/14/2018 03:50	EPA 8260B	



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SAP-6-1

R183205-26 (Soil)

Date Sampled
08/09/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	86.8 %	60.3-124	08/11/2018	08/14/2018 03:50	EPA 8260B
Surrogate: Toluene-d8	91.4 %	63.1-121	08/11/2018	08/14/2018 03:50	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.4 %	33.2-155	08/11/2018	08/14/2018 03:50	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	89.3	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-6-4
R183205-27 (Soil)

Date Sampled
08/09/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	LC
cis-1,2-Dichloroethene	51	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Trichloroethene	120	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/11/2018	08/14/2018 04:16	EPA 8260B	



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SAP-6-4

R183205-27 (Soil)

Date Sampled
08/09/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	87.8 %	60.3-124	08/11/2018	08/14/2018 04:16	EPA 8260B
Surrogate: Toluene-d8	90.6 %	63.1-121	08/11/2018	08/14/2018 04:16	EPA 8260B
Surrogate: 4-Bromofluorobenzene	93.4 %	33.2-155	08/11/2018	08/14/2018 04:16	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	84.0	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-6-8
R183205-28 (Soil)

Date Sampled
08/09/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	LC
cis-1,2-Dichloroethene	490	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Tetrachloroethene	30	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Trichloroethene	1900	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/11/2018	08/14/2018 04:43	EPA 8260B	



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SAP-6-8
R183205-28 (Soil)

Date Sampled
 08/09/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	85.1 %			60.3-124	08/11/2018	08/14/2018 04:43	EPA 8260B	
Surrogate: Toluene-d8	87.8 %			63.1-121	08/11/2018	08/14/2018 04:43	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.4 %			33.2-155	08/11/2018	08/14/2018 04:43	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	80.1	0.00	% by Weight		1	08/11/2018	08/13/2018 11:05	SM 2540B
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SAP-6-12
R183205-29 (Soil)

Date Sampled
08/09/2018 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	LC
cis-1,2-Dichloroethene	860	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Tetrachloroethene	41	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Trichloroethene	2400	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/11/2018	08/14/2018 05:09	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-6-12
R183205-29 (Soil)

Date Sampled
 08/09/2018 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	77.9 %		60.3-124		08/11/2018	08/14/2018 05:09	EPA 8260B	
Surrogate: Toluene-d8	84.4 %		63.1-121		08/11/2018	08/14/2018 05:09	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.7 %		33.2-155		08/11/2018	08/14/2018 05:09	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	79.7	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-6-16
R183205-30 (Soil)

Date Sampled
08/09/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	LC
cis-1,2-Dichloroethene	12000	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	E
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Tetrachloroethene	320	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
trans-1,2-Dichloroethene	64	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Trichloroethene	46000	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	E
Vinyl chloride	34	24	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/11/2018	08/14/2018 05:35	EPA 8260B	



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Project: Tell City Investigation
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SAP-6-16
R183205-30 (Soil)

Date Sampled
 08/09/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	74.7 %	60.3-124			08/11/2018	08/14/2018 05:35	EPA 8260B	
Surrogate: Toluene-d8	79.7 %	63.1-121			08/11/2018	08/14/2018 05:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	79.0 %	33.2-155			08/11/2018	08/14/2018 05:35	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	81.3	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-7-1
R183205-31 (Soil)

Date Sampled
08/09/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	
Xylenes, total	ND	80	ug/kg dry	1	08/11/2018	08/14/2018 06:01	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-7-1
R183205-31 (Soil)

Date Sampled
08/09/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	85.3 %			60.3-124	08/11/2018	08/14/2018 06:01	EPA 8260B	
Surrogate: Toluene-d8	87.8 %			63.1-121	08/11/2018	08/14/2018 06:01	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.7 %			33.2-155	08/11/2018	08/14/2018 06:01	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	86.2	0.00	% by Weight		1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-7-4
R183205-32 (Soil)

Date Sampled
08/09/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/11/2018	08/14/2018 06:27	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-7-4
R183205-32 (Soil)

Date Sampled
08/09/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	83.5 %			60.3-124	08/11/2018	08/14/2018 06:27	EPA 8260B	
Surrogate: Toluene-d8	88.4 %			63.1-121	08/11/2018	08/14/2018 06:27	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.7 %			33.2-155	08/11/2018	08/14/2018 06:27	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	87.4	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-7-8
R183205-33 (Soil)

Date Sampled
08/09/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/11/2018	08/14/2018 09:07	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-7-8
R183205-33 (Soil)

Date Sampled
 08/09/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	84.0 %		60.3-124		08/11/2018	08/14/2018 09:07	EPA 8260B	
Surrogate: Toluene-d8	86.3 %		63.1-121		08/11/2018	08/14/2018 09:07	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.0 %		33.2-155		08/11/2018	08/14/2018 09:07	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	87.9	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-7-12
R183205-34 (Soil)

Date Sampled
08/09/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Chlorobenzene	65	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Trichloroethene	130	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/11/2018	08/14/2018 09:34	EPA 8260B	



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SAP-7-12
R183205-34 (Soil)

Date Sampled
08/09/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	82.9 %		60.3-124		08/11/2018	08/14/2018 09:34	EPA 8260B	
Surrogate: Toluene-d8	83.7 %		63.1-121		08/11/2018	08/14/2018 09:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.7 %		33.2-155		08/11/2018	08/14/2018 09:34	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	81.9	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-7-16
R183205-35 (Soil)

Date Sampled
08/09/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Trichloroethene	43	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/14/2018 10:00	EPA 8260B	



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 Project Number: [none]

SAP-7-16
R183205-35 (Soil)

Date Sampled
08/09/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	79.9 %			60.3-124	08/11/2018	08/14/2018 10:00	EPA 8260B	
Surrogate: Toluene-d8	80.8 %			63.1-121	08/11/2018	08/14/2018 10:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.4 %			33.2-155	08/11/2018	08/14/2018 10:00	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	81.2	0.00	% by Weight		1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-7-10
R183205-36 (Soil)

Date Sampled
08/09/2018 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Chloromethane	ND	43	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
m,p-Xylene	ND	43	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Methylene chloride	ND	87	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	
Xylenes, total	ND	65	ug/kg dry	1	08/11/2018	08/14/2018 10:26	EPA 8260B	



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SAP-7-10
R183205-36 (Soil)

Date Sampled
 08/09/2018 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	85.5 %		60.3-124		08/11/2018	08/14/2018 10:26	EPA 8260B	
Surrogate: Toluene-d8	84.7 %		63.1-121		08/11/2018	08/14/2018 10:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.8 %		33.2-155		08/11/2018	08/14/2018 10:26	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	87.1	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-8-1
R183205-37 (Soil)

Date Sampled
08/09/2018 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	
Xylenes, total	ND	81	ug/kg dry	1	08/11/2018	08/14/2018 10:52	EPA 8260B	



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SAP-8-1
R183205-37 (Soil)

Date Sampled
08/09/2018 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	86.8 %		60.3-124		08/11/2018	08/14/2018 10:52	EPA 8260B	
Surrogate: Toluene-d8	90.3 %		63.1-121		08/11/2018	08/14/2018 10:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.8 %		33.2-155		08/11/2018	08/14/2018 10:52	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	96.4	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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 Project Number: [none]

SAP-8-4
R183205-38 (Soil)

Date Sampled
08/09/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/11/2018	08/14/2018 11:19	EPA 8260B	



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SAP-8-4

R183205-38 (Soil)

Date Sampled
08/09/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	88.2 %	60.3-124			08/11/2018	08/14/2018 11:19	EPA 8260B	
Surrogate: Toluene-d8	88.8 %	63.1-121			08/11/2018	08/14/2018 11:19	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.8 %	33.2-155			08/11/2018	08/14/2018 11:19	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	87.0	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B	
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Project Number: [none]

SAP-8-8
R183205-39 (Soil)

Date Sampled
08/09/2018 16:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/11/2018	08/14/2018 11:45	EPA 8260B	



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SAP-8-8

R183205-39 (Soil)

Date Sampled
08/09/2018 16:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	84.2 %	60.3-124	08/11/2018	08/14/2018 11:45	EPA 8260B
Surrogate: Toluene-d8	84.6 %	63.1-121	08/11/2018	08/14/2018 11:45	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.5 %	33.2-155	08/11/2018	08/14/2018 11:45	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	84.6	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-8-12
R183205-40 (Soil)

Date Sampled
08/09/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/11/2018	08/14/2018 12:11	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-8-12

R183205-40 (Soil)

Date Sampled
08/09/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808007

Surrogate: 1-Bromo-2-chloroethane	82.4 %	60.3-124	08/11/2018	08/14/2018 12:11	EPA 8260B
Surrogate: Toluene-d8	84.0 %	63.1-121	08/11/2018	08/14/2018 12:11	EPA 8260B
Surrogate: 4-Bromofluorobenzene	88.2 %	33.2-155	08/11/2018	08/14/2018 12:11	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808009

% Solids	82.4	0.00	% by Weight	1	08/11/2018	08/13/2018 11:05	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-8-16
R183205-41 (Soil)

Date Sampled
08/09/2018 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/13/2018	08/14/2018 12:37	EPA 8260B	



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SAP-8-16
R183205-41 (Soil)

Date Sampled
 08/09/2018 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	80.4 %			60.3-124	08/13/2018	08/14/2018 12:37	EPA 8260B	
Surrogate: Toluene-d8	80.8 %			63.1-121	08/13/2018	08/14/2018 12:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.9 %			33.2-155	08/13/2018	08/14/2018 12:37	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	80.0	0.00	% by Weight		1	08/13/2018	08/14/2018 10:44	SM 2540B
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-75 (74-78)
R183206-01 (Water)

Date Sampled
08/10/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	M
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Tetrachloroethene	1.3	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 09:44	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-75 (74-78)

Date Sampled

R183206-01 (Water)

08/10/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	92.3 %	70.8-139			08/10/2018	08/10/2018 09:44	EPA 8260B	
Surrogate: Toluene-d8	81.6 %	76.6-116			08/10/2018	08/10/2018 09:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	79.1 %	71.4-118			08/10/2018	08/10/2018 09:44	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-75 (68-72)
R183206-02 (Water)

Date Sampled
08/10/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Tetrachloroethene	0.71	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 10:13	EPA 8260B	



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AP-75 (68-72)

Date Sampled

R183206-02 (Water)

08/10/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	97.5 %	70.8-139			08/10/2018	08/10/2018 10:13	EPA 8260B	
Surrogate: Toluene-d8	84.6 %	76.6-116			08/10/2018	08/10/2018 10:13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.7 %	71.4-118			08/10/2018	08/10/2018 10:13	EPA 8260B	



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AP-75 (60-64)
R183206-03 (Water)

Date Sampled
08/10/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 10:42	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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AP-75 (60-64)

Date Sampled

R183206-03 (Water)

08/10/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	97.7 %	70.8-139			08/10/2018	08/10/2018 10:42	EPA 8260B	
Surrogate: Toluene-d8	83.2 %	76.6-116			08/10/2018	08/10/2018 10:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	78.6 %	71.4-118			08/10/2018	08/10/2018 10:42	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-75 (54-58)
R183206-04 (Water)

Date Sampled
08/10/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Toluene	0.53	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 11:10	EPA 8260B	



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AP-75 (54-58)

Date Sampled

R183206-04 (Water)

08/10/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	97.2 %	70.8-139			08/10/2018	08/10/2018 11:10	EPA 8260B	
Surrogate: Toluene-d8	82.1 %	76.6-116			08/10/2018	08/10/2018 11:10	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.4 %	71.4-118			08/10/2018	08/10/2018 11:10	EPA 8260B	



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AP-75 (48-52)
R183206-05 (Water)

Date Sampled
08/10/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Tetrachloroethene	0.53	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 11:42	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-75 (48-52)
R183206-05 (Water)

Date Sampled
08/10/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	99.4 %	70.8-139			08/10/2018	08/10/2018 11:42	EPA 8260B	
Surrogate: Toluene-d8	84.5 %	76.6-116			08/10/2018	08/10/2018 11:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.9 %	71.4-118			08/10/2018	08/10/2018 11:42	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-75 (42-46)
R183206-06 (Water)

Date Sampled
08/10/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Toluene	0.50	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 12:13	EPA 8260B	



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AP-75 (42-46)

Date Sampled

R183206-06 (Water)

08/10/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	97.8 %	70.8-139			08/10/2018	08/10/2018 12:13	EPA 8260B	
Surrogate: Toluene-d8	83.6 %	76.6-116			08/10/2018	08/10/2018 12:13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	79.2 %	71.4-118			08/10/2018	08/10/2018 12:13	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-75 (36-40)
R183206-07 (Water)

Date Sampled
08/10/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/10/2018	08/10/2018 12:42	EPA 8260B	



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AP-75 (36-40)
R183206-07 (Water)

Date Sampled
08/10/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808005

Surrogate: Dibromofluoromethane	97.9 %	70.8-139			08/10/2018	08/10/2018 12:42	EPA 8260B	
Surrogate: Toluene-d8	81.9 %	76.6-116			08/10/2018	08/10/2018 12:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.8 %	71.4-118			08/10/2018	08/10/2018 12:42	EPA 8260B	



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SAP-9-1
R183207-01 (Soil)

Date Sampled
08/10/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
cis-1,2-Dichloroethene	55	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	HC
Vinyl chloride	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/13/2018	08/14/2018 14:49	EPA 8260B	



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SAP-9-1

R183207-01 (Soil)

Date Sampled
08/10/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	80.8 %	60.3-124	08/13/2018	08/14/2018 14:49	EPA 8260B
Surrogate: Toluene-d8	81.4 %	63.1-121	08/13/2018	08/14/2018 14:49	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.9 %	33.2-155	08/13/2018	08/14/2018 14:49	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.3	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-9-4
R183207-02 (Soil)

Date Sampled
08/10/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	HC
Vinyl chloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/14/2018 15:15	EPA 8260B	



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SAP-9-4
R183207-02 (Soil)

Date Sampled
 08/10/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	77.9 %	60.3-124			08/13/2018	08/14/2018 15:15	EPA 8260B	
Surrogate: Toluene-d8	76.9 %	63.1-121			08/13/2018	08/14/2018 15:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.6 %	33.2-155			08/13/2018	08/14/2018 15:15	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	77.7	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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 Project Number: [none]

SAP-9-8
R183207-03 (Soil)

Date Sampled
 08/10/2018 08:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
cis-1,2-Dichloroethene	35	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	HC
Vinyl chloride	140	25	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	HC
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/14/2018 15:41	EPA 8260B	



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SAP-9-8
R183207-03 (Soil)

Date Sampled
 08/10/2018 08:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	83.0 %			60.3-124	08/13/2018	08/14/2018 15:41	EPA 8260B	
Surrogate: Toluene-d8	86.1 %			63.1-121	08/13/2018	08/14/2018 15:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.2 %			33.2-155	08/13/2018	08/14/2018 15:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	79.1	0.00	% by Weight		1	08/13/2018	08/14/2018 10:44	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-9-12
R183207-04 (Soil)

Date Sampled
08/10/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,2,4-Trichlorobenzene	75	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,2,4-Trimethylbenzene	89	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,3,5-Trimethylbenzene	40	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Benzene	27	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
cis-1,2-Dichloroethene	130000	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	E
Ethylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Naphthalene	54	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
p-Isopropyltoluene	1200	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Toluene	43	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
trans-1,2-Dichloroethene	210	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	HC
Vinyl chloride	8900	26	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	HC
Xylenes, total	ND	77	ug/kg dry	1	08/13/2018	08/14/2018 16:07	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

83.7 %

60.3-124

08/13/2018

08/14/2018 16:07

EPA 8260B



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SAP-9-12

R183207-04 (Soil)

Date Sampled
08/10/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: Toluene-d8	82.7 %	63.1-121	08/13/2018	08/14/2018 16:07	EPA 8260B
Surrogate: 4-Bromofluorobenzene	88.8 %	33.2-155	08/13/2018	08/14/2018 16:07	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	72.5	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B
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SAP-9-16
R183207-05 (Soil)

Date Sampled
08/10/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,1-Dichloroethene	66	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	HC
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Chloromethane	500	51	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	HC
cis-1,2-Dichloroethene	41000	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	E
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	HC
Vinyl chloride	1800	25	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	HC
Xylenes, total	ND	76	ug/kg dry	1	08/13/2018	08/14/2018 16:33	EPA 8260B	



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SAP-9-16
R183207-05 (Soil)

Date Sampled
 08/10/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	78.7 %		60.3-124		08/13/2018	08/14/2018 16:33	EPA 8260B	
Surrogate: Toluene-d8	79.0 %		63.1-121		08/13/2018	08/14/2018 16:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.1 %		33.2-155		08/13/2018	08/14/2018 16:33	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	79.1	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-12-1
R183207-06 (Soil)

Date Sampled
08/10/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
cis-1,2-Dichloroethene	23	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Methylene chloride	ND	89	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Trichloroethene	39	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	HC
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/13/2018	08/14/2018 16:59	EPA 8260B	



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SAP-12-1
R183207-06 (Soil)

Date Sampled
 08/10/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	81.4 %		60.3-124		08/13/2018	08/14/2018 16:59	EPA 8260B	
Surrogate: Toluene-d8	86.1 %		63.1-121		08/13/2018	08/14/2018 16:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	102 %		33.2-155		08/13/2018	08/14/2018 16:59	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	86.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
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SAP-12-2
R183207-07 (Soil)

Date Sampled
08/10/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,1,2-Trichloroethane	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,1-Dichloroethane	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,1-Dichloroethene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,2-Dichlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,2-Dichloroethane	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,3-Dichlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
1,4-Dichlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
2-Chlorotoluene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
4-Chlorotoluene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Benzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Carbon tetrachloride	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Chlorobenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Chloroform	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Chloromethane	ND	68	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
cis-1,2-Dichloroethene	440	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Ethylbenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Isopropylbenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
m,p-Xylene	ND	68	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Methylene chloride	ND	140	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Naphthalene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
n-Butyl Benzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
n-Propyl Benzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
o-Xylene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
p-Isopropyltoluene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
sec-Butyl Benzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Styrene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
tert-Butylbenzene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Tetrachloroethene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Toluene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Trichloroethene	810	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	HC
Vinyl chloride	ND	34	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	
Xylenes, total	ND	100	ug/kg dry	1	08/13/2018	08/14/2018 17:25	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-12-2
R183207-07 (Soil)

Date Sampled
08/10/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	100 %	60.3-124			08/13/2018	08/14/2018 17:25	EPA 8260B	
Surrogate: Toluene-d8	106 %	63.1-121			08/13/2018	08/14/2018 17:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	139 %	33.2-155			08/13/2018	08/14/2018 17:25	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	94.1	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-12-4
R183207-08 (Soil)

Date Sampled
08/10/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Benzene	110	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Chloromethane	ND	56	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
cis-1,2-Dichloroethene	420	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
m,p-Xylene	ND	56	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Trichloroethene	2000	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	HC
Vinyl chloride	ND	28	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	
Xylenes, total	ND	84	ug/kg dry	1	08/13/2018	08/14/2018 17:52	EPA 8260B	



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SAP-12-4
R183207-08 (Soil)

Date Sampled
08/10/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	86.8 %		60.3-124		08/13/2018	08/14/2018 17:52	EPA 8260B	
Surrogate: Toluene-d8	97.0 %		63.1-121		08/13/2018	08/14/2018 17:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	149 %		33.2-155		08/13/2018	08/14/2018 17:52	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	88.8	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-12-8
R183207-09 (Soil)

Date Sampled
08/10/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,1-Dichloroethene	100	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	HC
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
cis-1,2-Dichloroethene	55000	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	E
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Methylene chloride	ND	87	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Tetrachloroethene	25	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
trans-1,2-Dichloroethene	210	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	
Trichloroethene	180000	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	HC, E
Vinyl chloride	110	22	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	HC
Xylenes, total	ND	65	ug/kg dry	1	08/13/2018	08/14/2018 18:18	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

74.7 %

60.3-124

08/13/2018

08/14/2018 18:18

EPA 8260B



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SAP-12-8
R183207-09 (Soil)

Date Sampled
08/10/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: Toluene-d8	77.5 %	63.1-121			08/13/2018	08/14/2018 18:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	114 %	33.2-155			08/13/2018	08/14/2018 18:18	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	80.2	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
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SAP-12-12
R183207-10 (Soil)

Date Sampled
08/10/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,1-Dichloroethene	340	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
cis-1,2-Dichloroethene	150000	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	E
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
trans-1,2-Dichloroethene	940	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	
Trichloroethene	160000	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	HC, E
Vinyl chloride	180	25	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	HC
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/14/2018 20:04	EPA 8260B	



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SAP-12-12
R183207-10 (Soil)

Date Sampled
08/10/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	76.5 %		60.3-124		08/13/2018	08/14/2018 20:04	EPA 8260B	
Surrogate: Toluene-d8	74.8 %		63.1-121		08/13/2018	08/14/2018 20:04	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.4 %		33.2-155		08/13/2018	08/14/2018 20:04	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.2	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-12-16
R183207-11 (Soil)

Date Sampled
08/10/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
cis-1,2-Dichloroethene	24000	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	E
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	
Trichloroethene	26	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	HC
Vinyl chloride	520	23	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	HC
Xylenes, total	ND	69	ug/kg dry	1	08/13/2018	08/14/2018 20:30	EPA 8260B	



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SAP-12-16
R183207-11 (Soil)

Date Sampled
 08/10/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	75.4 %		60.3-124		08/13/2018	08/14/2018 20:30	EPA 8260B	
Surrogate: Toluene-d8	73.6 %		63.1-121		08/13/2018	08/14/2018 20:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.6 %		33.2-155		08/13/2018	08/14/2018 20:30	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	77.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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 Project Number: [none]

SAP-13-1
R183301-01 (Soil)

Date Sampled
08/13/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Trichloroethene	43	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	HC
Vinyl chloride	ND	24	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/13/2018	08/14/2018 20:56	EPA 8260B	



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SAP-13-1
R183301-01 (Soil)

Date Sampled
 08/13/2018 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	85.3 %		60.3-124		08/13/2018	08/14/2018 20:56	EPA 8260B	
Surrogate: Toluene-d8	85.3 %		63.1-121		08/13/2018	08/14/2018 20:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.8 %		33.2-155		08/13/2018	08/14/2018 20:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	87.6	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-13-4
R183301-02 (Soil)

Date Sampled
 08/13/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
cis-1,2-Dichloroethene	3400	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Tetrachloroethene	85	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
trans-1,2-Dichloroethene	33	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Trichloroethene	26000	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	HC, E
Vinyl chloride	ND	26	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	
Xylenes, total	ND	79	ug/kg dry	1	08/13/2018	08/14/2018 22:15	EPA 8260B	



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SAP-13-4
R183301-02 (Soil)

Date Sampled
08/13/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: 1-Bromo-2-chloroethane	83.5 %		60.3-124		08/13/2018	08/14/2018 22:15	EPA 8260B	
Surrogate: Toluene-d8	83.5 %		63.1-121		08/13/2018	08/14/2018 22:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.1 %		33.2-155		08/13/2018	08/14/2018 22:15	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	83.1	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-13-8
R183301-03 (Soil)

Date Sampled
08/13/2018 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,1,2-Trichloroethane	40	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,1-Dichloroethene	27	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,3,5-Trimethylbenzene	29	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
cis-1,2-Dichloroethene	9200	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Tetrachloroethene	120	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
trans-1,2-Dichloroethene	97	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Trichloroethene	230000	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	HC, E
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/13/2018	08/14/2018 22:41	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

75.6 %

60.3-124

08/13/2018

08/14/2018 22:41

EPA 8260B



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-13-8
R183301-03 (Soil)

Date Sampled
 08/13/2018 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: Toluene-d8	73.9 %	63.1-121			08/13/2018	08/14/2018 22:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.8 %	33.2-155			08/13/2018	08/14/2018 22:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	80.5	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-13-12
R183301-04 (Soil)

Date Sampled
08/13/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,1-Dichloroethene	180	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	HC
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,3,5-Trimethylbenzene	26	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
cis-1,2-Dichloroethene	4400	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Tetrachloroethene	61	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
trans-1,2-Dichloroethene	1100	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	
Trichloroethene	280000	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	HC, E
Vinyl chloride	33	25	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	HC
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/14/2018 23:07	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

78.2 %

60.3-124

08/13/2018

08/14/2018 23:07

EPA 8260B



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-13-12
R183301-04 (Soil)

Date Sampled
08/13/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: Toluene-d8	76.9 %	63.1-121			08/13/2018	08/14/2018 23:07	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.6 %	33.2-155			08/13/2018	08/14/2018 23:07	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.3	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-13-16
R183301-05 (Soil)

Date Sampled
08/13/2018 12:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,1-Dichloroethene	180	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,3,5-Trimethylbenzene	33	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Chloromethane	78	49	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	HC
cis-1,2-Dichloroethene	17000	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	E
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
trans-1,2-Dichloroethene	270	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	
Trichloroethene	270000	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	HC, E
Vinyl chloride	98	25	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	HC
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/14/2018 23:33	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

75.0 %

60.3-124

08/13/2018

08/14/2018 23:33

EPA 8260B



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-13-16
R183301-05 (Soil)

Date Sampled
08/13/2018 12:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808010

Surrogate: Toluene-d8	73.6 %		63.1-121		08/13/2018	08/14/2018 23:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.2 %		33.2-155		08/13/2018	08/14/2018 23:33	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	77.1	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-14-2
R183301-06 (Soil)

Date Sampled
 08/13/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	HC
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,3,5-Trimethylbenzene	24	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Methylene chloride	ND	88	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Trichloroethene	60	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	
Xylenes, total	ND	66	ug/kg dry	1	08/13/2018	08/15/2018 01:45	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-14-2
R183301-06 (Soil)

Date Sampled
 08/13/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	78.9 %		60.3-124		08/13/2018	08/15/2018 01:45	EPA 8260B	
Surrogate: Toluene-d8	81.3 %		63.1-121		08/13/2018	08/15/2018 01:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.4 %		33.2-155		08/13/2018	08/15/2018 01:45	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	85.5	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-14-4
R183301-07 (Soil)

Date Sampled
08/13/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	X, M
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	HC
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
cis-1,2-Dichloroethene	26	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Trichloroethene	1700	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	M1
Vinyl chloride	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/13/2018	08/15/2018 02:11	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-14-4
R183301-07 (Soil)

Date Sampled
 08/13/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	82.8 %		60.3-124		08/13/2018	08/15/2018 02:11	EPA 8260B	
Surrogate: Toluene-d8	79.9 %		63.1-121		08/13/2018	08/15/2018 02:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.1 %		33.2-155		08/13/2018	08/15/2018 02:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-14-8
R183301-08 (Soil)

Date Sampled
 08/13/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	HC
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
cis-1,2-Dichloroethene	2100	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Methylene chloride	ND	89	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Trichloroethene	90000	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	E
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/13/2018	08/15/2018 03:30	EPA 8260B	



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SAP-14-8
R183301-08 (Soil)

Date Sampled
 08/13/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	78.9 %		60.3-124		08/13/2018	08/15/2018 03:30	EPA 8260B	
Surrogate: Toluene-d8	77.2 %		63.1-121		08/13/2018	08/15/2018 03:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.1 %		33.2-155		08/13/2018	08/15/2018 03:30	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.2	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-14-12
R183301-09 (Soil)

Date Sampled
08/13/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	HC
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
cis-1,2-Dichloroethene	3300	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
trans-1,2-Dichloroethene	140	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Trichloroethene	88000	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	E
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/13/2018	08/15/2018 03:56	EPA 8260B	



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SAP-14-12
R183301-09 (Soil)

Date Sampled
 08/13/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	74.2 %		60.3-124		08/13/2018	08/15/2018 03:56	EPA 8260B	
Surrogate: Toluene-d8	73.7 %		63.1-121		08/13/2018	08/15/2018 03:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.9 %		33.2-155		08/13/2018	08/15/2018 03:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.3	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-14-16
R183301-10 (Soil)

Date Sampled
08/13/2018 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	HC
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Trichloroethene	73	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/13/2018	08/15/2018 04:22	EPA 8260B	



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SAP-14-16
R183301-10 (Soil)

Date Sampled
 08/13/2018 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	79.9 %			60.3-124	08/13/2018	08/15/2018 04:22	EPA 8260B	
Surrogate: Toluene-d8	78.7 %			63.1-121	08/13/2018	08/15/2018 04:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.5 %			33.2-155	08/13/2018	08/15/2018 04:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-15-1
R183301-11 (Soil)

Date Sampled
08/13/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	HC
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/13/2018	08/15/2018 04:48	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-15-1
R183301-11 (Soil)

Date Sampled
 08/13/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	85.9 %		60.3-124		08/13/2018	08/15/2018 04:48	EPA 8260B	
Surrogate: Toluene-d8	85.6 %		63.1-121		08/13/2018	08/15/2018 04:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.0 %		33.2-155		08/13/2018	08/15/2018 04:48	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-15-3
R183301-12 (Soil)

Date Sampled
08/13/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	HC
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/13/2018	08/15/2018 05:15	EPA 8260B	



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SAP-15-3

R183301-12 (Soil)

Date Sampled
08/13/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	84.5 %	60.3-124		08/13/2018	08/15/2018 05:15	EPA 8260B
Surrogate: Toluene-d8	85.7 %	63.1-121		08/13/2018	08/15/2018 05:15	EPA 8260B
Surrogate: 4-Bromofluorobenzene	96.0 %	33.2-155		08/13/2018	08/15/2018 05:15	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	79.3	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-15-4
R183301-13 (Soil)

Date Sampled
08/13/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Trichloroethene	36	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/13/2018	08/15/2018 10:45	EPA 8260B	



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SAP-15-4
R183301-13 (Soil)

Date Sampled
 08/13/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	73.1 %	60.3-124			08/13/2018	08/15/2018 10:45	EPA 8260B	
Surrogate: Toluene-d8	76.3 %	63.1-121			08/13/2018	08/15/2018 10:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.1 %	33.2-155			08/13/2018	08/15/2018 10:45	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	78.6	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-15-8
R183301-14 (Soil)

Date Sampled
 08/13/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
cis-1,2-Dichloroethene	2500	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
trans-1,2-Dichloroethene	110	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Trichloroethene	77	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/13/2018	08/16/2018 08:11	EPA 8260B	



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SAP-15-8
R183301-14 (Soil)

Date Sampled
 08/13/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	77.1 %		60.3-124		08/13/2018	08/16/2018 08:11	EPA 8260B	
Surrogate: Toluene-d8	82.0 %		63.1-121		08/13/2018	08/16/2018 08:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.3 %		33.2-155		08/13/2018	08/16/2018 08:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.1	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-15-12
R183301-15 (Soil)

Date Sampled
08/13/2018 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
cis-1,2-Dichloroethene	6400	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
trans-1,2-Dichloroethene	210	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Trichloroethene	100000	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	E
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/13/2018	08/15/2018 11:37	EPA 8260B	



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SAP-15-12
R183301-15 (Soil)

Date Sampled
 08/13/2018 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	72.9 %		60.3-124		08/13/2018	08/15/2018 11:37	EPA 8260B	
Surrogate: Toluene-d8	78.0 %		63.1-121		08/13/2018	08/15/2018 11:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.1 %		33.2-155		08/13/2018	08/15/2018 11:37	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.7	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-15-16
R183301-16 (Soil)

Date Sampled
08/13/2018 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Trichloroethene	24	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/13/2018	08/15/2018 12:03	EPA 8260B	



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SAP-15-16
R183301-16 (Soil)

Date Sampled
 08/13/2018 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	74.3 %		60.3-124		08/13/2018	08/15/2018 12:03	EPA 8260B	
Surrogate: Toluene-d8	76.3 %		63.1-121		08/13/2018	08/15/2018 12:03	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.5 %		33.2-155		08/13/2018	08/15/2018 12:03	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	82.6	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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SAP-16-1
R183301-17 (Soil)

Date Sampled
 08/13/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Trichloroethene	53	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/13/2018	08/15/2018 12:30	EPA 8260B	



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SAP-16-1
R183301-17 (Soil)

Date Sampled
 08/13/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	81.2 %	60.3-124			08/13/2018	08/15/2018 12:30	EPA 8260B	
Surrogate: Toluene-d8	83.6 %	63.1-121			08/13/2018	08/15/2018 12:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	78.4 %	33.2-155			08/13/2018	08/15/2018 12:30	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	83.9	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-16-4
R183301-18 (Soil)

Date Sampled
08/13/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Trichloroethene	360	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/13/2018	08/15/2018 12:56	EPA 8260B	



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SAP-16-4
R183301-18 (Soil)

Date Sampled
 08/13/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	80.7 %	60.3-124			08/13/2018	08/15/2018 12:56	EPA 8260B	
Surrogate: Toluene-d8	84.3 %	63.1-121			08/13/2018	08/15/2018 12:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	106 %	33.2-155			08/13/2018	08/15/2018 12:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	77.6	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-16-8
R183301-19 (Soil)

Date Sampled
 08/13/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
cis-1,2-Dichloroethene	250	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Trichloroethene	12000	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	E
Vinyl chloride	ND	23	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/13/2018	08/15/2018 13:22	EPA 8260B	



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SAP-16-8
R183301-19 (Soil)

Date Sampled
 08/13/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	76.9 %		60.3-124		08/13/2018	08/15/2018 13:22	EPA 8260B	
Surrogate: Toluene-d8	81.9 %		63.1-121		08/13/2018	08/15/2018 13:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.2 %		33.2-155		08/13/2018	08/15/2018 13:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.0	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
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SAP-16-12
R183301-20 (Soil)

Date Sampled
08/13/2018 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	HC
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,3,5-Trimethylbenzene	22	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Chloromethane	ND	43	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
cis-1,2-Dichloroethene	2000	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
m,p-Xylene	ND	43	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Methylene chloride	ND	87	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
trans-1,2-Dichloroethene	49	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Trichloroethene	66000	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	E
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	
Xylenes, total	ND	65	ug/kg dry	1	08/13/2018	08/15/2018 13:48	EPA 8260B	



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 Project Number: [none]

SAP-16-12
R183301-20 (Soil)

Date Sampled
 08/13/2018 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	78.1 %			60.3-124	08/13/2018	08/15/2018 13:48	EPA 8260B	
Surrogate: Toluene-d8	80.9 %			63.1-121	08/13/2018	08/15/2018 13:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.7 %			33.2-155	08/13/2018	08/15/2018 13:48	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	81.9	0.00	% by Weight		1	08/13/2018	08/14/2018 10:44	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-16-16
R183301-21 (Soil)

Date Sampled
08/13/2018 16:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	HC
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
cis-1,2-Dichloroethene	2100	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Methylene chloride	ND	89	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
trans-1,2-Dichloroethene	120	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Trichloroethene	930	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	HC
Xylenes, total	ND	67	ug/kg dry	1	08/13/2018	08/15/2018 14:15	EPA 8260B	



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SAP-16-16

R183301-21 (Soil)

Date Sampled
08/13/2018 16:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808011

Surrogate: 1-Bromo-2-chloroethane	70.8 %		60.3-124		08/13/2018	08/15/2018 14:15	EPA 8260B	
Surrogate: Toluene-d8	74.5 %		63.1-121		08/13/2018	08/15/2018 14:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.3 %		33.2-155		08/13/2018	08/15/2018 14:15	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808012

% Solids	78.9	0.00	% by Weight	1	08/13/2018	08/14/2018 10:44	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-17-1
R183302-01 (Soil)

Date Sampled
08/14/2018 07:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Tetrachloroethene	61	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Trichloroethene	340	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/14/2018	08/15/2018 16:26	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-17-1

R183302-01 (Soil)

Date Sampled
08/14/2018 07:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	78.8 %	60.3-124	08/14/2018	08/15/2018 16:26	EPA 8260B
Surrogate: Toluene-d8	77.4 %	63.1-121	08/14/2018	08/15/2018 16:26	EPA 8260B
Surrogate: 4-Bromofluorobenzene	95.7 %	33.2-155	08/14/2018	08/15/2018 16:26	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	83.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-17-4
R183302-02 (Soil)

Date Sampled
08/14/2018 07:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	X
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	X, LC
cis-1,2-Dichloroethene	210	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Tetrachloroethene	1000	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	M1
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	
Trichloroethene	5600	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	M1
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	X
Xylenes, total	ND	68	ug/kg dry	1	08/14/2018	08/15/2018 16:53	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-17-4
R183302-02 (Soil)

Date Sampled
08/14/2018 07:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	78.6 %		60.3-124		08/14/2018	08/15/2018 16:53	EPA 8260B	
Surrogate: Toluene-d8	79.7 %		63.1-121		08/14/2018	08/15/2018 16:53	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.0 %		33.2-155		08/14/2018	08/15/2018 16:53	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	79.1	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-17-8
R183302-03 (Soil)

Date Sampled
 08/14/2018 07:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	LC
cis-1,2-Dichloroethene	1200	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Tetrachloroethene	840	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Trichloroethene	86000	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	E
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/14/2018	08/15/2018 18:11	EPA 8260B	



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SAP-17-8
R183302-03 (Soil)

Date Sampled
 08/14/2018 07:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	81.2 %	60.3-124			08/14/2018	08/15/2018 18:11	EPA 8260B	
Surrogate: Toluene-d8	82.5 %	63.1-121			08/14/2018	08/15/2018 18:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.1 %	33.2-155			08/14/2018	08/15/2018 18:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	81.6	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-17-12
R183302-04 (Soil)

Date Sampled
08/14/2018 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	LC
cis-1,2-Dichloroethene	14000	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	E
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
trans-1,2-Dichloroethene	300	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Trichloroethene	36000	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	E
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/14/2018	08/15/2018 18:38	EPA 8260B	



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SAP-17-12
R183302-04 (Soil)

Date Sampled
08/14/2018 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	87.3 %			60.3-124	08/14/2018	08/15/2018 18:38	EPA 8260B	
Surrogate: Toluene-d8	85.6 %			63.1-121	08/14/2018	08/15/2018 18:38	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	101 %			33.2-155	08/14/2018	08/15/2018 18:38	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	81.5	0.00	% by Weight		1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-17-16
R183302-05 (Soil)

Date Sampled
08/14/2018 08:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	LC
cis-1,2-Dichloroethene	4000	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Trichloroethene	180000	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	E
Vinyl chloride	ND	27	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	
Xylenes, total	ND	81	ug/kg dry	1	08/14/2018	08/15/2018 19:04	EPA 8260B	



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SAP-17-16
R183302-05 (Soil)

Date Sampled
08/14/2018 08:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	78.0 %			60.3-124	08/14/2018	08/15/2018 19:04	EPA 8260B	
Surrogate: Toluene-d8	77.0 %			63.1-121	08/14/2018	08/15/2018 19:04	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.4 %			33.2-155	08/14/2018	08/15/2018 19:04	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	76.3	0.00	% by Weight		1	08/14/2018	08/15/2018 11:42	SM 2540B
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SAP-18-1
R183302-06 (Soil)

Date Sampled
 08/14/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	LC
cis-1,2-Dichloroethene	150	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Tetrachloroethene	1300	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Trichloroethene	660	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	
Xylenes, total	ND	79	ug/kg dry	1	08/14/2018	08/15/2018 19:30	EPA 8260B	



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SAP-18-1
R183302-06 (Soil)

Date Sampled
 08/14/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	81.5 %	60.3-124		08/14/2018	08/15/2018 19:30	EPA 8260B
Surrogate: Toluene-d8	85.7 %	63.1-121		08/14/2018	08/15/2018 19:30	EPA 8260B
Surrogate: 4-Bromofluorobenzene	93.6 %	33.2-155		08/14/2018	08/15/2018 19:30	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	83.5	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-18-4
R183302-07 (Soil)

Date Sampled
08/14/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,1-Dichloroethene	35	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	LC
cis-1,2-Dichloroethene	13000	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	E
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
trans-1,2-Dichloroethene	390	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Trichloroethene	13000	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	E
Vinyl chloride	28	24	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/14/2018	08/15/2018 19:56	EPA 8260B	



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SAP-18-4
R183302-07 (Soil)

Date Sampled
08/14/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	88.3 %			60.3-124	08/14/2018	08/15/2018 19:56	EPA 8260B	
Surrogate: Toluene-d8	91.6 %			63.1-121	08/14/2018	08/15/2018 19:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	102 %			33.2-155	08/14/2018	08/15/2018 19:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	80.3	0.00	% by Weight		1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-18-8
R183302-08 (Soil)

Date Sampled
 08/14/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,1-Dichloroethene	76	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	LC
cis-1,2-Dichloroethene	18000	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	E
Ethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
trans-1,2-Dichloroethene	560	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	
Trichloroethene	110000	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	E
Vinyl chloride	43	25	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	HC
Xylenes, total	ND	74	ug/kg dry	1	08/14/2018	08/15/2018 21:42	EPA 8260B	



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Project: Tell City Investigation
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SAP-18-8
R183302-08 (Soil)

Date Sampled
 08/14/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	79.0 %		60.3-124		08/14/2018	08/15/2018 21:42	EPA 8260B	
Surrogate: Toluene-d8	81.4 %		63.1-121		08/14/2018	08/15/2018 21:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.0 %		33.2-155		08/14/2018	08/15/2018 21:42	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	78.6	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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SAP-18-12
R183302-09 (Soil)

Date Sampled
08/14/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	LC
cis-1,2-Dichloroethene	20000	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	E
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
trans-1,2-Dichloroethene	570	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Trichloroethene	4100	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	
Vinyl chloride	46	23	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	HC
Xylenes, total	ND	69	ug/kg dry	1	08/14/2018	08/15/2018 22:08	EPA 8260B	



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SAP-18-12
R183302-09 (Soil)

Date Sampled
 08/14/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	76.2 %		60.3-124		08/14/2018	08/15/2018 22:08	EPA 8260B	
Surrogate: Toluene-d8	78.0 %		63.1-121		08/14/2018	08/15/2018 22:08	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.9 %		33.2-155		08/14/2018	08/15/2018 22:08	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	82.2	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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SAP-18-16
R183302-10 (Soil)

Date Sampled
08/14/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	LC
cis-1,2-Dichloroethene	350	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/14/2018	08/15/2018 22:34	EPA 8260B	



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SAP-18-16

R183302-10 (Soil)

Date Sampled
08/14/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	75.6 %	60.3-124	08/14/2018	08/15/2018 22:34	EPA 8260B
Surrogate: Toluene-d8	75.7 %	63.1-121	08/14/2018	08/15/2018 22:34	EPA 8260B
Surrogate: 4-Bromofluorobenzene	86.9 %	33.2-155	08/14/2018	08/15/2018 22:34	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	76.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-10-1
R183302-11 (Soil)

Date Sampled
08/14/2018 09:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/15/2018 23:00	EPA 8260B	



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SAP-10-1
R183302-11 (Soil)

Date Sampled
 08/14/2018 09:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	82.9 %			60.3-124		08/14/2018	08/15/2018 23:00	EPA 8260B
Surrogate: Toluene-d8	84.6 %			63.1-121		08/14/2018	08/15/2018 23:00	EPA 8260B
Surrogate: 4-Bromofluorobenzene	97.0 %			33.2-155		08/14/2018	08/15/2018 23:00	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	85.2	0.00	% by Weight		1	08/14/2018	08/15/2018 11:42	SM 2540B
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 Project Number: [none]

SAP-10-4
R183302-12 (Soil)

Date Sampled
08/14/2018 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,1,2-Trichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,1-Dichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,1-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,2-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,2-Dichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,3-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
1,4-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
2-Chlorotoluene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
4-Chlorotoluene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Benzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Carbon tetrachloride	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Chlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Chloroform	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Chloromethane	ND	58	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Ethylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Isopropylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
m,p-Xylene	ND	58	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Naphthalene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
n-Butyl Benzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
n-Propyl Benzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
o-Xylene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
p-Isopropyltoluene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
sec-Butyl Benzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Styrene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
tert-Butylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Tetrachloroethene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Toluene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Trichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Vinyl chloride	ND	29	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	
Xylenes, total	ND	86	ug/kg dry	1	08/14/2018	08/15/2018 23:26	EPA 8260B	



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SAP-10-4

R183302-12 (Soil)

Date Sampled
08/14/2018 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	81.7 %	60.3-124	08/14/2018	08/15/2018 23:26	EPA 8260B
Surrogate: Toluene-d8	84.7 %	63.1-121	08/14/2018	08/15/2018 23:26	EPA 8260B
Surrogate: 4-Bromofluorobenzene	96.5 %	33.2-155	08/14/2018	08/15/2018 23:26	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	80.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-10-8
R183302-13 (Soil)

Date Sampled
 08/14/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/14/2018	08/15/2018 23:52	EPA 8260B	



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SAP-10-8

R183302-13 (Soil)

Date Sampled
08/14/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	80.8 %	60.3-124	08/14/2018	08/15/2018 23:52	EPA 8260B
Surrogate: Toluene-d8	83.8 %	63.1-121	08/14/2018	08/15/2018 23:52	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.4 %	33.2-155	08/14/2018	08/15/2018 23:52	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	83.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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 Project Number: [none]

SAP-10-12
R183302-14 (Soil)

Date Sampled
08/14/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/14/2018	08/16/2018 00:19	EPA 8260B	



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SAP-10-12

R183302-14 (Soil)

Date Sampled
08/14/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	78.1 %	60.3-124	08/14/2018	08/16/2018 00:19	EPA 8260B
Surrogate: Toluene-d8	77.0 %	63.1-121	08/14/2018	08/16/2018 00:19	EPA 8260B
Surrogate: 4-Bromofluorobenzene	84.8 %	33.2-155	08/14/2018	08/16/2018 00:19	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	78.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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SAP-10-16
R183302-15 (Soil)

Date Sampled
08/14/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Chloromethane	320	55	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
m,p-Xylene	ND	55	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	
Xylenes, total	ND	82	ug/kg dry	1	08/14/2018	08/16/2018 00:45	EPA 8260B	



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SAP-10-16

R183302-15 (Soil)

Date Sampled
08/14/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	83.2 %	60.3-124	08/14/2018	08/16/2018 00:45	EPA 8260B
Surrogate: Toluene-d8	80.4 %	63.1-121	08/14/2018	08/16/2018 00:45	EPA 8260B
Surrogate: 4-Bromofluorobenzene	86.5 %	33.2-155	08/14/2018	08/16/2018 00:45	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	75.8	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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SAP-11-1
R183302-16 (Soil)

Date Sampled
08/14/2018 11:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Naphthalene	41	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Toluene	24	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Trichloroethene	27	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/16/2018 01:11	EPA 8260B	



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SAP-11-1
R183302-16 (Soil)

Date Sampled
 08/14/2018 11:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	83.9 %		60.3-124		08/14/2018	08/16/2018 01:11	EPA 8260B	
Surrogate: Toluene-d8	87.8 %		63.1-121		08/14/2018	08/16/2018 01:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.1 %		33.2-155		08/14/2018	08/16/2018 01:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	89.2	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-11-4
R183302-17 (Soil)

Date Sampled
08/14/2018 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	LC
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/14/2018	08/16/2018 01:37	EPA 8260B	



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SAP-11-4

R183302-17 (Soil)

Date Sampled
08/14/2018 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	75.3 %	60.3-124	08/14/2018	08/16/2018 01:37	EPA 8260B
Surrogate: Toluene-d8	75.6 %	63.1-121	08/14/2018	08/16/2018 01:37	EPA 8260B
Surrogate: 4-Bromofluorobenzene	85.9 %	33.2-155	08/14/2018	08/16/2018 01:37	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	76.9	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-11-8
R183302-18 (Soil)

Date Sampled
08/14/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/14/2018	08/16/2018 02:56	EPA 8260B	



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SAP-11-8
R183302-18 (Soil)

Date Sampled
 08/14/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	74.5 %		60.3-124		08/14/2018	08/16/2018 02:56	EPA 8260B	
Surrogate: Toluene-d8	76.0 %		63.1-121		08/14/2018	08/16/2018 02:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.9 %		33.2-155		08/14/2018	08/16/2018 02:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	78.8	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-11-12
R183302-19 (Soil)

Date Sampled
08/14/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/14/2018	08/16/2018 03:22	EPA 8260B	



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SAP-11-12
R183302-19 (Soil)

Date Sampled
 08/14/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	74.7 %	60.3-124	08/14/2018	08/16/2018 03:22	EPA 8260B
Surrogate: Toluene-d8	78.7 %	63.1-121	08/14/2018	08/16/2018 03:22	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.4 %	33.2-155	08/14/2018	08/16/2018 03:22	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	79.1	0.00	% by Weight	1	08/14/2018	08/15/2018 11:42	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-11-16
R183302-20 (Soil)

Date Sampled
08/14/2018 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Chloromethane	ND	56	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
m,p-Xylene	ND	56	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Trichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Vinyl chloride	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	
Xylenes, total	ND	84	ug/kg dry	1	08/14/2018	08/16/2018 03:49	EPA 8260B	



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SAP-11-16
R183302-20 (Soil)

Date Sampled
08/14/2018 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808014

Surrogate: 1-Bromo-2-chloroethane	78.0 %			60.3-124		08/14/2018	08/16/2018 03:49	EPA 8260B
Surrogate: Toluene-d8	80.1 %			63.1-121		08/14/2018	08/16/2018 03:49	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.4 %			33.2-155		08/14/2018	08/16/2018 03:49	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808013

% Solids	79.0	0.00	% by Weight		1	08/14/2018	08/15/2018 11:42	SM 2540B
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 Project Number: [none]

SAP-19-1
R183302-21 (Soil)

Date Sampled
 08/14/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Trichloroethene	53	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/14/2018	08/16/2018 06:52	EPA 8260B	



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SAP-19-1

R183302-21 (Soil)

Date Sampled
08/14/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	77.0 %	60.3-124	08/14/2018	08/16/2018 06:52	EPA 8260B
Surrogate: Toluene-d8	80.0 %	63.1-121	08/14/2018	08/16/2018 06:52	EPA 8260B
Surrogate: 4-Bromofluorobenzene	94.7 %	33.2-155	08/14/2018	08/16/2018 06:52	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	84.2	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B
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SAP-19-4
R183302-22 (Soil)

Date Sampled
 08/14/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,1,2-Trichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,1-Dichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,1-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,2,4-Trimethylbenzene	50	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,2-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,2-Dichloroethane	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,3-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
1,4-Dichlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
2-Chlorotoluene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
4-Chlorotoluene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Benzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Carbon tetrachloride	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Chlorobenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Chloroform	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Chloromethane	ND	58	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Ethylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Isopropylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
m,p-Xylene	ND	58	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Naphthalene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
n-Butyl Benzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
n-Propyl Benzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
o-Xylene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
p-Isopropyltoluene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
sec-Butyl Benzene	200	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Styrene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
tert-Butylbenzene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Tetrachloroethene	130	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Toluene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Trichloroethene	110	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Vinyl chloride	ND	29	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	
Xylenes, total	ND	87	ug/kg dry	1	08/14/2018	08/16/2018 07:18	EPA 8260B	



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SAP-19-4
R183302-22 (Soil)

Date Sampled
08/14/2018 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	74.4 %	60.3-124			08/14/2018	08/16/2018 07:18	EPA 8260B	
Surrogate: Toluene-d8	74.9 %	63.1-121			08/14/2018	08/16/2018 07:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	172 %	33.2-155			08/14/2018	08/16/2018 07:18	EPA 8260B	S

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	85.4	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-19-8
R183302-23 (Soil)

Date Sampled
 08/14/2018 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Chloromethane	160	48	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	HC
Xylenes, total	ND	71	ug/kg dry	1	08/14/2018	08/16/2018 07:44	EPA 8260B	



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 Project Number: [none]

SAP-19-8
R183302-23 (Soil)

Date Sampled
 08/14/2018 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	123 %		60.3-124		08/14/2018	08/16/2018 07:44	EPA 8260B	
Surrogate: Toluene-d8	91.0 %		63.1-121		08/14/2018	08/16/2018 07:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	224 %		33.2-155		08/14/2018	08/16/2018 07:44	EPA 8260B	S

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	79.0	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-19-12
R183302-24 (Soil)

Date Sampled
08/14/2018 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,1-Dichloroethene	170	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Chloromethane	130	47	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
cis-1,2-Dichloroethene	45000	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	E
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
trans-1,2-Dichloroethene	370	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Trichloroethene	25000	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	E
Vinyl chloride	780	23	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/16/2018 09:55	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

71.5 %

60.3-124

08/14/2018

08/16/2018 09:55

EPA 8260B



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SAP-19-12
R183302-24 (Soil)

Date Sampled
08/14/2018 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: Toluene-d8	75.3 %	63.1-121			08/14/2018	08/16/2018 09:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.4 %	33.2-155			08/14/2018	08/16/2018 09:55	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	82.6	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-19-16
R183302-25 (Soil)

Date Sampled
08/14/2018 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,1-Dichloroethene	47	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	X
cis-1,2-Dichloroethene	43000	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	M1, X, E
Ethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
trans-1,2-Dichloroethene	140	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	M, X
Trichloroethene	53	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Vinyl chloride	1100	25	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/14/2018	08/16/2018 10:21	EPA 8260B	



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SAP-19-16
R183302-25 (Soil)

Date Sampled
08/14/2018 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	75.0 %			60.3-124		08/14/2018	08/16/2018 10:21	EPA 8260B
Surrogate: Toluene-d8	77.6 %			63.1-121		08/14/2018	08/16/2018 10:21	EPA 8260B
Surrogate: 4-Bromofluorobenzene	82.2 %			33.2-155		08/14/2018	08/16/2018 10:21	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	79.5	0.00	% by Weight		1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-20-1
R183302-26 (Soil)

Date Sampled
08/14/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Tetrachloroethene	48	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Trichloroethene	74	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	
Xylenes, total	ND	80	ug/kg dry	1	08/14/2018	08/17/2018 10:32	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-20-1
R183302-26 (Soil)

Date Sampled
08/14/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	82.1 %	60.3-124		08/14/2018	08/17/2018 10:32	EPA 8260B
Surrogate: Toluene-d8	86.6 %	63.1-121		08/14/2018	08/17/2018 10:32	EPA 8260B
Surrogate: 4-Bromofluorobenzene	91.8 %	33.2-155		08/14/2018	08/17/2018 10:32	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	78.5	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
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SAP-20-4
R183302-27 (Soil)

Date Sampled
08/14/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Tetrachloroethene	32	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Trichloroethene	210	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	
Xylenes, total	ND	78	ug/kg dry	1	08/14/2018	08/16/2018 12:06	EPA 8260B	



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SAP-20-4
R183302-27 (Soil)

Date Sampled
08/14/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	77.3 %		60.3-124		08/14/2018	08/16/2018 12:06	EPA 8260B	
Surrogate: Toluene-d8	78.5 %		63.1-121		08/14/2018	08/16/2018 12:06	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.9 %		33.2-155		08/14/2018	08/16/2018 12:06	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	82.1	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-20-8
R183302-28 (Soil)

Date Sampled
08/14/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Trichloroethene	23	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/16/2018 12:32	EPA 8260B	



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SAP-20-8
R183302-28 (Soil)

Date Sampled
 08/14/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	72.0 %		60.3-124		08/14/2018	08/16/2018 12:32	EPA 8260B	
Surrogate: Toluene-d8	74.8 %		63.1-121		08/14/2018	08/16/2018 12:32	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.4 %		33.2-155		08/14/2018	08/16/2018 12:32	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	73.5	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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SAP-20-12
R183302-29 (Soil)

Date Sampled
08/14/2018 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Chloromethane	160	57	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
cis-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
m,p-Xylene	ND	57	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Trichloroethene	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Vinyl chloride	ND	28	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	
Xylenes, total	ND	85	ug/kg dry	1	08/14/2018	08/16/2018 13:36	EPA 8260B	



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SAP-20-12
R183302-29 (Soil)

Date Sampled
 08/14/2018 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	78.1 %	60.3-124			08/14/2018	08/16/2018 13:36	EPA 8260B	
Surrogate: Toluene-d8	81.2 %	63.1-121			08/14/2018	08/16/2018 13:36	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.5 %	33.2-155			08/14/2018	08/16/2018 13:36	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	81.8	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-20-16
R183302-30 (Soil)

Date Sampled
08/14/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	
Xylenes, total	ND	79	ug/kg dry	1	08/14/2018	08/16/2018 14:02	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-20-16
R183302-30 (Soil)

Date Sampled
08/14/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	73.1 %			60.3-124	08/14/2018	08/16/2018 14:02	EPA 8260B	
Surrogate: Toluene-d8	75.0 %			63.1-121	08/14/2018	08/16/2018 14:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	79.2 %			33.2-155	08/14/2018	08/16/2018 14:02	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	77.8	0.00	% by Weight		1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-21-1
R183302-31 (Soil)

Date Sampled
08/14/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
cis-1,2-Dichloroethene	310	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Trichloroethene	3100	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/14/2018	08/16/2018 14:29	EPA 8260B	



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Project: Tell City Investigation
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SAP-21-1
R183302-31 (Soil)

Date Sampled
 08/14/2018 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	78.1 %		60.3-124		08/14/2018	08/16/2018 14:29	EPA 8260B	
Surrogate: Toluene-d8	81.7 %		63.1-121		08/14/2018	08/16/2018 14:29	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.4 %		33.2-155		08/14/2018	08/16/2018 14:29	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	81.7	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-21-4
R183302-32 (Soil)

Date Sampled
08/14/2018 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
cis-1,2-Dichloroethene	110	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Trichloroethene	3600	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/14/2018	08/16/2018 15:47	EPA 8260B	



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Project: Tell City Investigation
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SAP-21-4
R183302-32 (Soil)

Date Sampled
08/14/2018 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	80.8 %			60.3-124	08/14/2018	08/16/2018 15:47	EPA 8260B	
Surrogate: Toluene-d8	84.0 %			63.1-121	08/14/2018	08/16/2018 15:47	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.0 %			33.2-155	08/14/2018	08/16/2018 15:47	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	77.8	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-21-8
R183302-33 (Soil)

Date Sampled
 08/14/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,1-Dichloroethene	41	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
cis-1,2-Dichloroethene	510	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
trans-1,2-Dichloroethene	68	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Trichloroethene	45000	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	E
Vinyl chloride	ND	27	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	
Xylenes, total	ND	80	ug/kg dry	1	08/14/2018	08/16/2018 16:14	EPA 8260B	



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SAP-21-8

R183302-33 (Soil)

Date Sampled
08/14/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	79.6 %	60.3-124	08/14/2018	08/16/2018 16:14	EPA 8260B
Surrogate: Toluene-d8	83.9 %	63.1-121	08/14/2018	08/16/2018 16:14	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.5 %	33.2-155	08/14/2018	08/16/2018 16:14	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	79.4	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-21-12
R183302-34 (Soil)

Date Sampled
08/14/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/16/2018 16:40	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-21-12
R183302-34 (Soil)

Date Sampled
08/14/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	75.7 %		60.3-124		08/14/2018	08/16/2018 16:40	EPA 8260B	
Surrogate: Toluene-d8	78.0 %		63.1-121		08/14/2018	08/16/2018 16:40	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.4 %		33.2-155		08/14/2018	08/16/2018 16:40	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	78.2	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-21-16
R183302-35 (Soil)

Date Sampled
08/14/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Trichloroethene	40	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/14/2018	08/16/2018 17:06	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-21-16
R183302-35 (Soil)

Date Sampled
08/14/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	83.4 %			60.3-124	08/14/2018	08/16/2018 17:06	EPA 8260B	
Surrogate: Toluene-d8	82.6 %			63.1-121	08/14/2018	08/16/2018 17:06	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.1 %			33.2-155	08/14/2018	08/16/2018 17:06	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	81.0	0.00	% by Weight		1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-22-1
R183302-36 (Soil)

Date Sampled
08/14/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,1,2-Trichloroethane	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,1-Dichloroethane	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,1-Dichloroethene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,2,4-Trimethylbenzene	55	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,2-Dichlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,2-Dichloroethane	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,3,5-Trimethylbenzene	45	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,3-Dichlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
1,4-Dichlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
2-Chlorotoluene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
4-Chlorotoluene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Benzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Carbon tetrachloride	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Chlorobenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Chloroform	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Chloromethane	1400	83	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
cis-1,2-Dichloroethene	730	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Ethylbenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Isopropylbenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
m,p-Xylene	ND	83	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Methylene chloride	ND	170	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Naphthalene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
n-Butyl Benzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
n-Propyl Benzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
o-Xylene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
p-Isopropyltoluene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
sec-Butyl Benzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Styrene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
tert-Butylbenzene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Tetrachloroethene	3100	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Toluene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Trichloroethene	360000	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	E
Vinyl chloride	ND	42	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	
Xylenes, total	ND	130	ug/kg dry	1	08/14/2018	08/16/2018 17:32	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

81.3 %

60.3-124

08/14/2018

08/16/2018 17:32

EPA 8260B



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SAP-22-1
R183302-36 (Soil)

Date Sampled
08/14/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: Toluene-d8	85.3 %	63.1-121			08/14/2018	08/16/2018 17:32	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	106 %	33.2-155			08/14/2018	08/16/2018 17:32	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	89.6	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-22-4
R183302-37 (Soil)

Date Sampled
08/14/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Trichloroethene	710	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/14/2018	08/16/2018 17:59	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-22-4
R183302-37 (Soil)

Date Sampled
08/14/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	80.4 %			60.3-124	08/14/2018	08/16/2018 17:59	EPA 8260B	
Surrogate: Toluene-d8	84.7 %			63.1-121	08/14/2018	08/16/2018 17:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.6 %			33.2-155	08/14/2018	08/16/2018 17:59	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	82.3	0.00	% by Weight		1	08/14/2018	08/15/2018 11:46	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-22-8
R183302-38 (Soil)

Date Sampled
08/14/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Trichloroethene	2400	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	
Xylenes, total	ND	76	ug/kg dry	1	08/14/2018	08/16/2018 18:25	EPA 8260B	



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SAP-22-8

R183302-38 (Soil)

Date Sampled
08/14/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: 1-Bromo-2-chloroethane	80.6 %		60.3-124		08/14/2018	08/16/2018 18:25	EPA 8260B	
Surrogate: Toluene-d8	86.0 %		63.1-121		08/14/2018	08/16/2018 18:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.6 %		33.2-155		08/14/2018	08/16/2018 18:25	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	88.1	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-22-12
R183302-39 (Soil)

Date Sampled
08/14/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,1-Dichloroethene	190	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Chloromethane	300	47	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
cis-1,2-Dichloroethene	1600	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Tetrachloroethene	1400	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Trichloroethene	320000	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	E
Vinyl chloride	69	23	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/14/2018	08/16/2018 18:51	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

71.8 %

60.3-124

08/14/2018

08/16/2018 18:51

EPA 8260B



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SAP-22-12

Date Sampled

R183302-39 (Soil)

08/14/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: Toluene-d8	71.4 %	63.1-121			08/14/2018	08/16/2018 18:51	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.6 %	33.2-155			08/14/2018	08/16/2018 18:51	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	79.1	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-22-16
R183302-40 (Soil)

Date Sampled
08/14/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,1-Dichloroethene	180	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Chloromethane	710	46	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
cis-1,2-Dichloroethene	6000	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
trans-1,2-Dichloroethene	2100	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Trichloroethene	480	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Vinyl chloride	380	23	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/14/2018	08/16/2018 19:18	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

74.5 %

60.3-124

08/14/2018

08/16/2018 19:18

EPA 8260B



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Project: Tell City Investigation
 Project Number: [none]

SAP-22-16
R183302-40 (Soil)

Date Sampled
08/14/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808015

Surrogate: Toluene-d8	76.8 %	63.1-121			08/14/2018	08/16/2018 19:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.3 %	33.2-155			08/14/2018	08/16/2018 19:18	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808016

% Solids	80.4	0.00	% by Weight	1	08/14/2018	08/15/2018 11:46	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-23-1
R183303-01 (Soil)

Date Sampled
08/15/2018 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Trichloroethene	1300	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/15/2018	08/16/2018 21:56	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-23-1
R183303-01 (Soil)

Date Sampled
 08/15/2018 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	80.7 %	60.3-124			08/15/2018	08/16/2018 21:56	EPA 8260B	
Surrogate: Toluene-d8	85.0 %	63.1-121			08/15/2018	08/16/2018 21:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.7 %	33.2-155			08/15/2018	08/16/2018 21:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	82.8	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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 Project Number: [none]

SAP-23-4
R183303-02 (Soil)

Date Sampled
08/15/2018 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	X
n-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	
Trichloroethene	640	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	M1
Vinyl chloride	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	X
Xylenes, total	ND	71	ug/kg dry	1	08/15/2018	08/16/2018 22:23	EPA 8260B	



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SAP-23-4
R183303-02 (Soil)

Date Sampled
 08/15/2018 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	78.1 %	60.3-124			08/15/2018	08/16/2018 22:23	EPA 8260B	
Surrogate: Toluene-d8	81.1 %	63.1-121			08/15/2018	08/16/2018 22:23	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.2 %	33.2-155			08/15/2018	08/16/2018 22:23	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	80.8	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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SAP-23-8
R183303-03 (Soil)

Date Sampled
08/15/2018 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Tetrachloroethene	1200	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Trichloroethene	7200	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/15/2018	08/16/2018 23:41	EPA 8260B	



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SAP-23-8
R183303-03 (Soil)

Date Sampled
 08/15/2018 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	78.9 %		60.3-124		08/15/2018	08/16/2018 23:41	EPA 8260B	
Surrogate: Toluene-d8	81.6 %		63.1-121		08/15/2018	08/16/2018 23:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.0 %		33.2-155		08/15/2018	08/16/2018 23:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	78.2	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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SAP-23-12
R183303-04 (Soil)

Date Sampled
08/15/2018 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,1,2-Trichloroethane	360	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,1-Dichloroethene	250	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
cis-1,2-Dichloroethene	580	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Naphthalene	26	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Tetrachloroethene	16000	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	E
Toluene	36	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Trichloroethene	370000	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	E
Vinyl chloride	41	24	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/15/2018	08/17/2018 00:08	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane 73.5 % 60.3-124 08/15/2018 08/17/2018 00:08 EPA 8260B



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SAP-23-12

Date Sampled

R183303-04 (Soil)

08/15/2018 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: Toluene-d8	74.8 %	63.1-121			08/15/2018	08/17/2018 00:08	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.9 %	33.2-155			08/15/2018	08/17/2018 00:08	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	80.0	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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SAP-23-16
R183303-05 (Soil)

Date Sampled
08/15/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,1-Dichloroethene	570	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Chloromethane	240	45	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	HC
cis-1,2-Dichloroethene	2700	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
p-Isopropyltoluene	47	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Tetrachloroethene	53	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
trans-1,2-Dichloroethene	460	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Trichloroethene	120000	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	E
Vinyl chloride	180	23	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/15/2018	08/17/2018 00:34	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

75.7 %

60.3-124

08/15/2018

08/17/2018 00:34

EPA 8260B



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-23-16

R183303-05 (Soil)

Date Sampled
08/15/2018 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: Toluene-d8	79.8 %	63.1-121			08/15/2018	08/17/2018 00:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.2 %	33.2-155			08/15/2018	08/17/2018 00:34	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	86.3	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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 132 East Washington Street
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Project: Tell City Investigation
 Project Number: [none]

SAP-24-1
R183303-06 (Soil)

Date Sampled
08/15/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Trichloroethene	180	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	
Xylenes, total	ND	77	ug/kg dry	1	08/15/2018	08/17/2018 01:00	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-24-1
R183303-06 (Soil)

Date Sampled
 08/15/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	86.3 %		60.3-124		08/15/2018	08/17/2018 01:00	EPA 8260B	
Surrogate: Toluene-d8	88.7 %		63.1-121		08/15/2018	08/17/2018 01:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.7 %		33.2-155		08/15/2018	08/17/2018 01:00	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	88.8	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-24-4
R183303-07 (Soil)

Date Sampled
08/15/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Trichloroethene	150	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/15/2018	08/17/2018 01:27	EPA 8260B	



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SAP-24-4
R183303-07 (Soil)

Date Sampled
 08/15/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	84.8 %	60.3-124	08/15/2018	08/17/2018 01:27	EPA 8260B
Surrogate: Toluene-d8	90.4 %	63.1-121	08/15/2018	08/17/2018 01:27	EPA 8260B
Surrogate: 4-Bromofluorobenzene	97.8 %	33.2-155	08/15/2018	08/17/2018 01:27	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	82.9	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-24-8
R183303-08 (Soil)

Date Sampled
08/15/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Tetrachloroethene	290	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Trichloroethene	89000	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	E
Vinyl chloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	
Xylenes, total	ND	77	ug/kg dry	1	08/15/2018	08/17/2018 02:46	EPA 8260B	



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SAP-24-8

R183303-08 (Soil)

Date Sampled
08/15/2018 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	78.3 %	60.3-124	08/15/2018	08/17/2018 02:46	EPA 8260B
Surrogate: Toluene-d8	81.1 %	63.1-121	08/15/2018	08/17/2018 02:46	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.1 %	33.2-155	08/15/2018	08/17/2018 02:46	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	81.4	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-24-12
R183303-09 (Soil)

Date Sampled
08/15/2018 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Chloromethane	380	51	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	HC
cis-1,2-Dichloroethene	180	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Trichloroethene	1200	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	
Xylenes, total	ND	77	ug/kg dry	1	08/15/2018	08/17/2018 03:12	EPA 8260B	



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SAP-24-12
R183303-09 (Soil)

Date Sampled
08/15/2018 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	74.4 %			60.3-124	08/15/2018	08/17/2018 03:12	EPA 8260B	
Surrogate: Toluene-d8	74.7 %			63.1-121	08/15/2018	08/17/2018 03:12	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	78.8 %			33.2-155	08/15/2018	08/17/2018 03:12	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	72.6	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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 Project Number: [none]

SAP-24-16
R183303-10 (Soil)

Date Sampled
08/15/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Trichloroethene	76	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	
Xylenes, total	ND	76	ug/kg dry	1	08/15/2018	08/17/2018 03:38	EPA 8260B	



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SAP-24-16

R183303-10 (Soil)

Date Sampled
08/15/2018 14:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	78.9 %	60.3-124	08/15/2018	08/17/2018 03:38	EPA 8260B
Surrogate: Toluene-d8	82.1 %	63.1-121	08/15/2018	08/17/2018 03:38	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.3 %	33.2-155	08/15/2018	08/17/2018 03:38	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	79.8	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-25-1
R183303-11 (Soil)

Date Sampled
08/15/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,1,2-Trichloroethane	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,1-Dichloroethane	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,1-Dichloroethene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,2,3-Trichlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,2,4-Trichlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,2,4-Trimethylbenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,2-Dichlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,2-Dichloroethane	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,3,5-Trimethylbenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,3-Dichlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
1,4-Dichlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
2-Chlorotoluene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
4-Chlorotoluene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Benzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Carbon tetrachloride	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Chlorobenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Chloroform	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Chloromethane	ND	61	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
cis-1,2-Dichloroethene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Ethylbenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Isopropylbenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
m,p-Xylene	ND	61	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Naphthalene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
n-Butyl Benzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
n-Propyl Benzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
o-Xylene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
p-Isopropyltoluene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
sec-Butyl Benzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Styrene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
tert-Butylbenzene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Tetrachloroethene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Toluene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
trans-1,2-Dichloroethene	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Trichloroethene	710	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Vinyl chloride	ND	31	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	
Xylenes, total	ND	92	ug/kg dry	1	08/15/2018	08/17/2018 04:05	EPA 8260B	



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SAP-25-1
R183303-11 (Soil)

Date Sampled
 08/15/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	84.0 %		60.3-124		08/15/2018	08/17/2018 04:05	EPA 8260B	
Surrogate: Toluene-d8	91.5 %		63.1-121		08/15/2018	08/17/2018 04:05	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5 %		33.2-155		08/15/2018	08/17/2018 04:05	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	89.6	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-25-4
R183303-12 (Soil)

Date Sampled
08/15/2018 15:17

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,1,2-Trichloroethane	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,1-Dichloroethane	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,1-Dichloroethene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,2-Dichlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,2-Dichloroethane	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,3-Dichlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
1,4-Dichlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
2-Chlorotoluene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
4-Chlorotoluene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Benzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Carbon tetrachloride	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Chlorobenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Chloroform	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Chloromethane	ND	72	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Ethylbenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Isopropylbenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
m,p-Xylene	ND	72	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Methylene chloride	ND	140	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Naphthalene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
n-Butyl Benzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
n-Propyl Benzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
o-Xylene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
p-Isopropyltoluene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
sec-Butyl Benzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Styrene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
tert-Butylbenzene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Tetrachloroethene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Toluene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Trichloroethene	670	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Vinyl chloride	ND	36	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	
Xylenes, total	ND	110	ug/kg dry	1	08/15/2018	08/17/2018 04:31	EPA 8260B	



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SAP-25-4
R183303-12 (Soil)

Date Sampled
08/15/2018 15:17

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	79.4 %		60.3-124		08/15/2018	08/17/2018 04:31	EPA 8260B	
Surrogate: Toluene-d8	86.5 %		63.1-121		08/15/2018	08/17/2018 04:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.0 %		33.2-155		08/15/2018	08/17/2018 04:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	81.7	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-25-8
R183303-13 (Soil)

Date Sampled
08/15/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Trichloroethene	8300	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	
Xylenes, total	ND	78	ug/kg dry	1	08/15/2018	08/17/2018 04:58	EPA 8260B	



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SAP-25-8

R183303-13 (Soil)

Date Sampled
08/15/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	78.5 %	60.3-124		08/15/2018	08/17/2018 04:58	EPA 8260B
Surrogate: Toluene-d8	81.2 %	63.1-121		08/15/2018	08/17/2018 04:58	EPA 8260B
Surrogate: 4-Bromofluorobenzene	93.2 %	33.2-155		08/15/2018	08/17/2018 04:58	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	77.1	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B
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Project Number: [none]

SAP-25-12
R183303-14 (Soil)

Date Sampled
08/15/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Chloromethane	400	48	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	HC
cis-1,2-Dichloroethene	220	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Trichloroethene	40000	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	E
Vinyl chloride	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/15/2018	08/17/2018 05:24	EPA 8260B	



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SAP-25-12
R183303-14 (Soil)

Date Sampled
08/15/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	76.1 %			60.3-124	08/15/2018	08/17/2018 05:24	EPA 8260B	
Surrogate: Toluene-d8	79.6 %			63.1-121	08/15/2018	08/17/2018 05:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.4 %			33.2-155	08/15/2018	08/17/2018 05:24	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	78.6	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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SAP-25-16
R183303-15 (Soil)

Date Sampled
08/15/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/15/2018	08/17/2018 05:50	EPA 8260B	



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SAP-25-16
R183303-15 (Soil)

Date Sampled
 08/15/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	76.4 %		60.3-124		08/15/2018	08/17/2018 05:50	EPA 8260B	
Surrogate: Toluene-d8	77.6 %		63.1-121		08/15/2018	08/17/2018 05:50	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.0 %		33.2-155		08/15/2018	08/17/2018 05:50	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	76.8	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-26-1
R183303-16 (Soil)

Date Sampled
08/15/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Trichloroethene	1900	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	
Xylenes, total	ND	82	ug/kg dry	1	08/15/2018	08/17/2018 06:16	EPA 8260B	



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SAP-26-1
R183303-16 (Soil)

Date Sampled
08/15/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	85.6 %		60.3-124		08/15/2018	08/17/2018 06:16	EPA 8260B	
Surrogate: Toluene-d8	89.9 %		63.1-121		08/15/2018	08/17/2018 06:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.3 %		33.2-155		08/15/2018	08/17/2018 06:16	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	88.4	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-26-4
R183303-17 (Soil)

Date Sampled
08/15/2018 16:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
cis-1,2-Dichloroethene	110	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Tetrachloroethene	28	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Trichloroethene	8200	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	
Xylenes, total	ND	82	ug/kg dry	1	08/15/2018	08/17/2018 06:43	EPA 8260B	



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SAP-26-4

R183303-17 (Soil)

Date Sampled
08/15/2018 16:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	82.0 %	60.3-124	08/15/2018	08/17/2018 06:43	EPA 8260B
Surrogate: Toluene-d8	84.8 %	63.1-121	08/15/2018	08/17/2018 06:43	EPA 8260B
Surrogate: 4-Bromofluorobenzene	92.8 %	33.2-155	08/15/2018	08/17/2018 06:43	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	78.7	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-26-8
R183303-18 (Soil)

Date Sampled
08/15/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,1,2-Trichloroethane	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,1-Dichloroethane	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,1-Dichloroethene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,2,3-Trichlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,2,4-Trichlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,2,4-Trimethylbenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,2-Dichlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,2-Dichloroethane	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,3-Dichlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
1,4-Dichlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
2-Chlorotoluene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
4-Chlorotoluene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Benzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Carbon tetrachloride	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Chlorobenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Chloroform	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Chloromethane	450	61	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	HC
cis-1,2-Dichloroethene	2600	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Ethylbenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Isopropylbenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
m,p-Xylene	ND	61	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Naphthalene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
n-Butyl Benzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
n-Propyl Benzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
o-Xylene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
p-Isopropyltoluene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
sec-Butyl Benzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Styrene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
tert-Butylbenzene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Tetrachloroethene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Toluene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
trans-1,2-Dichloroethene	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Trichloroethene	12000	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Vinyl chloride	ND	30	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	
Xylenes, total	ND	91	ug/kg dry	1	08/15/2018	08/17/2018 08:47	EPA 8260B	



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Project: Tell City Investigation
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SAP-26-8
R183303-18 (Soil)

Date Sampled
 08/15/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	79.7 %		60.3-124		08/15/2018	08/17/2018 08:47	EPA 8260B	
Surrogate: Toluene-d8	81.1 %		63.1-121		08/15/2018	08/17/2018 08:47	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.1 %		33.2-155		08/15/2018	08/17/2018 08:47	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	76.0	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-26-12
R183303-19 (Soil)

Date Sampled
08/15/2018 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Chloroform	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Chloromethane	360	54	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	HC
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Naphthalene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Trichloroethene	73	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	
Xylenes, total	ND	80	ug/kg dry	1	08/15/2018	08/17/2018 09:13	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-26-12
R183303-19 (Soil)

Date Sampled
 08/15/2018 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	82.5 %		60.3-124		08/15/2018	08/17/2018 09:13	EPA 8260B	
Surrogate: Toluene-d8	85.3 %		63.1-121		08/15/2018	08/17/2018 09:13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.8 %		33.2-155		08/15/2018	08/17/2018 09:13	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	74.2	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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SAP-26-16
R183303-20 (Soil)

Date Sampled
08/15/2018 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Chloromethane	350	47	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	HC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/15/2018	08/17/2018 09:39	EPA 8260B	



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SAP-26-16
R183303-20 (Soil)

Date Sampled
 08/15/2018 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808017

Surrogate: 1-Bromo-2-chloroethane	79.2 %		60.3-124		08/15/2018	08/17/2018 09:39	EPA 8260B	
Surrogate: Toluene-d8	82.5 %		63.1-121		08/15/2018	08/17/2018 09:39	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.5 %		33.2-155		08/15/2018	08/17/2018 09:39	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808018

% Solids	80.5	0.00	% by Weight	1	08/16/2018	08/17/2018 08:52	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-27-1
R183304-01 (Soil)

Date Sampled
08/16/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,1,2-Trichloroethane	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,1-Dichloroethane	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,1-Dichloroethene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,2-Dichlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,2-Dichloroethane	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,3-Dichlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
1,4-Dichlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
2-Chlorotoluene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
4-Chlorotoluene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Benzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Carbon tetrachloride	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Chlorobenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Chloroform	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Chloromethane	ND	75	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
cis-1,2-Dichloroethene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Ethylbenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Isopropylbenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
m,p-Xylene	ND	75	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Methylene chloride	ND	150	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Naphthalene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
n-Butyl Benzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
n-Propyl Benzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
o-Xylene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
p-Isopropyltoluene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
sec-Butyl Benzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Styrene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
tert-Butylbenzene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Tetrachloroethene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Toluene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Trichloroethene	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Vinyl chloride	ND	37	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	
Xylenes, total	ND	110	ug/kg dry	1	08/16/2018	08/17/2018 12:24	EPA 8260B	



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SAP-27-1
R183304-01 (Soil)

Date Sampled
 08/16/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	83.8 %			60.3-124	08/16/2018	08/17/2018 12:24	EPA 8260B	
Surrogate: Toluene-d8	88.2 %			63.1-121	08/16/2018	08/17/2018 12:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.8 %			33.2-155	08/16/2018	08/17/2018 12:24	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	95.5	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-27-4
R183304-02 (Soil)

Date Sampled
08/16/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Methylene chloride	ND	99	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Tetrachloroethene	240	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	X
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Trichloroethene	630	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	M1, X
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/16/2018	08/17/2018 12:50	EPA 8260B	



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SAP-27-4
R183304-02 (Soil)

Date Sampled
08/16/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	81.4 %	60.3-124		08/16/2018	08/17/2018 12:50	EPA 8260B
Surrogate: Toluene-d8	83.9 %	63.1-121		08/16/2018	08/17/2018 12:50	EPA 8260B
Surrogate: 4-Bromofluorobenzene	86.2 %	33.2-155		08/16/2018	08/17/2018 12:50	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	80.1	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-27-8
R183304-03 (Soil)

Date Sampled
08/16/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/16/2018	08/17/2018 15:02	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-27-8
R183304-03 (Soil)

Date Sampled
 08/16/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.3 %		60.3-124		08/16/2018	08/17/2018 15:02	EPA 8260B	
Surrogate: Toluene-d8	81.4 %		63.1-121		08/16/2018	08/17/2018 15:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.6 %		33.2-155		08/16/2018	08/17/2018 15:02	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	80.0	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-27-12
R183304-04 (Soil)

Date Sampled
08/16/2018 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Chloromethane	210	49	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	HC
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/16/2018	08/17/2018 15:28	EPA 8260B	



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SAP-27-12
R183304-04 (Soil)

Date Sampled
08/16/2018 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.7 %	60.3-124			08/16/2018	08/17/2018 15:28	EPA 8260B	
Surrogate: Toluene-d8	82.5 %	63.1-121			08/16/2018	08/17/2018 15:28	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.0 %	33.2-155			08/16/2018	08/17/2018 15:28	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	77.5	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project Number: [none]

SAP-27-16
R183304-05 (Soil)

Date Sampled
08/16/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Chloromethane	340	46	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	HC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Trichloroethene	36	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/16/2018	08/17/2018 15:54	EPA 8260B	



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SAP-27-16
R183304-05 (Soil)

Date Sampled
 08/16/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	85.8 %		60.3-124		08/16/2018	08/17/2018 15:54	EPA 8260B	
Surrogate: Toluene-d8	84.0 %		63.1-121		08/16/2018	08/17/2018 15:54	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.6 %		33.2-155		08/16/2018	08/17/2018 15:54	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	79.8	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-6-20
R183304-06 (Soil)

Date Sampled
08/16/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Trichloroethene	57	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/16/2018	08/17/2018 16:21	EPA 8260B	



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SAP-6-20
R183304-06 (Soil)

Date Sampled
08/16/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	79.1 %	60.3-124			08/16/2018	08/17/2018 16:21	EPA 8260B	
Surrogate: Toluene-d8	80.5 %	63.1-121			08/16/2018	08/17/2018 16:21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %	33.2-155			08/16/2018	08/17/2018 16:21	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	80.0	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-28-1
R183304-07 (Soil)

Date Sampled
08/16/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/16/2018	08/17/2018 16:47	EPA 8260B	



2525 Advance Road
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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-28-1
R183304-07 (Soil)

Date Sampled
08/16/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.2 %	60.3-124			08/16/2018	08/17/2018 16:47	EPA 8260B	
Surrogate: Toluene-d8	84.6 %	63.1-121			08/16/2018	08/17/2018 16:47	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.2 %	33.2-155			08/16/2018	08/17/2018 16:47	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	83.9	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-28-4
R183304-08 (Soil)

Date Sampled
08/16/2018 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Trichloroethene	25	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/16/2018	08/17/2018 17:13	EPA 8260B	



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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-28-4
R183304-08 (Soil)

Date Sampled
 08/16/2018 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	84.1 %	60.3-124			08/16/2018	08/17/2018 17:13	EPA 8260B	
Surrogate: Toluene-d8	86.0 %	63.1-121			08/16/2018	08/17/2018 17:13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.1 %	33.2-155			08/16/2018	08/17/2018 17:13	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	82.2	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-28-8
R183304-09 (Soil)

Date Sampled
 08/16/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Naphthalene	110	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/16/2018	08/17/2018 17:40	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-28-8

R183304-09 (Soil)

Date Sampled
08/16/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	82.8 %	60.3-124	08/16/2018	08/17/2018 17:40	EPA 8260B
Surrogate: Toluene-d8	87.2 %	63.1-121	08/16/2018	08/17/2018 17:40	EPA 8260B
Surrogate: 4-Bromofluorobenzene	106 %	33.2-155	08/16/2018	08/17/2018 17:40	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	84.6	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-28-12
R183304-10 (Soil)

Date Sampled
08/16/2018 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	
Xylenes, total	ND	76	ug/kg dry	1	08/16/2018	08/17/2018 18:06	EPA 8260B	



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 Project Number: [none]

SAP-28-12
R183304-10 (Soil)

Date Sampled
08/16/2018 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	82.5 %	60.3-124			08/16/2018	08/17/2018 18:06	EPA 8260B	
Surrogate: Toluene-d8	87.7 %	63.1-121			08/16/2018	08/17/2018 18:06	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.8 %	33.2-155			08/16/2018	08/17/2018 18:06	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	82.9	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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SAP-28-16
R183304-11 (Soil)

Date Sampled
08/16/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
cis-1,2-Dichloroethene	160	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Trichloroethene	110	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/16/2018	08/17/2018 18:32	EPA 8260B	



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SAP-28-16

R183304-11 (Soil)

Date Sampled
08/16/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	86.3 %			60.3-124	08/16/2018	08/17/2018 18:32	EPA 8260B	
Surrogate: Toluene-d8	86.5 %			63.1-121	08/16/2018	08/17/2018 18:32	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.0 %			33.2-155	08/16/2018	08/17/2018 18:32	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	78.9	0.00	% by Weight		1	08/16/2018	08/18/2018 13:56	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-29-1
R183304-12 (Soil)

Date Sampled
08/16/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
cis-1,2-Dichloroethene	160	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Trichloroethene	690	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/16/2018	08/17/2018 20:18	EPA 8260B	



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SAP-29-1
R183304-12 (Soil)

Date Sampled
 08/16/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	92.2 %		60.3-124		08/16/2018	08/17/2018 20:18	EPA 8260B	
Surrogate: Toluene-d8	92.4 %		63.1-121		08/16/2018	08/17/2018 20:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	99.2 %		33.2-155		08/16/2018	08/17/2018 20:18	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	90.0	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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SAP-29-4
R183304-13 (Soil)

Date Sampled
08/16/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
cis-1,2-Dichloroethene	48	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Trichloroethene	120	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/16/2018	08/17/2018 20:44	EPA 8260B	



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SAP-29-4
R183304-13 (Soil)

Date Sampled
 08/16/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	78.6 %		60.3-124		08/16/2018	08/17/2018 20:44	EPA 8260B	
Surrogate: Toluene-d8	80.9 %		63.1-121		08/16/2018	08/17/2018 20:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.0 %		33.2-155		08/16/2018	08/17/2018 20:44	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	86.6	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-29-8
R183304-14 (Soil)

Date Sampled
 08/16/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
cis-1,2-Dichloroethene	660	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Trichloroethene	980	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/16/2018	08/17/2018 21:11	EPA 8260B	



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SAP-29-8
R183304-14 (Soil)

Date Sampled
 08/16/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.9 %			60.3-124	08/16/2018	08/17/2018 21:11	EPA 8260B	
Surrogate: Toluene-d8	83.5 %			63.1-121	08/16/2018	08/17/2018 21:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.3 %			33.2-155	08/16/2018	08/17/2018 21:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	82.0	0.00	% by Weight		1	08/16/2018	08/18/2018 13:56	SM 2540B
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SAP-29-12
R183304-15 (Soil)

Date Sampled
08/16/2018 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
cis-1,2-Dichloroethene	4100	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Trichloroethene	2600	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/16/2018	08/17/2018 21:37	EPA 8260B	



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SAP-29-12
R183304-15 (Soil)

Date Sampled
 08/16/2018 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.7 %	60.3-124			08/16/2018	08/17/2018 21:37	EPA 8260B	
Surrogate: Toluene-d8	82.4 %	63.1-121			08/16/2018	08/17/2018 21:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.6 %	33.2-155			08/16/2018	08/17/2018 21:37	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	78.7	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project Number: [none]

SAP-29-16
R183304-16 (Soil)

Date Sampled
08/16/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,1,2-Trichloroethane	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,1-Dichloroethane	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,1-Dichloroethene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,2-Dichlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,2-Dichloroethane	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,3-Dichlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
1,4-Dichlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
2-Chlorotoluene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
4-Chlorotoluene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Benzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Carbon tetrachloride	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Chlorobenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Chloroform	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Chloromethane	ND	64	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
cis-1,2-Dichloroethene	110	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Ethylbenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Isopropylbenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
m,p-Xylene	ND	64	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Methylene chloride	ND	130	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Naphthalene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
n-Butyl Benzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
n-Propyl Benzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
o-Xylene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
p-Isopropyltoluene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
sec-Butyl Benzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Styrene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
tert-Butylbenzene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Tetrachloroethene	61	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Toluene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Trichloroethene	1300	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Vinyl chloride	ND	32	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	
Xylenes, total	ND	97	ug/kg dry	1	08/16/2018	08/17/2018 22:03	EPA 8260B	



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SAP-29-16
R183304-16 (Soil)

Date Sampled
 08/16/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	81.8 %		60.3-124		08/16/2018	08/17/2018 22:03	EPA 8260B	
Surrogate: Toluene-d8	88.2 %		63.1-121		08/16/2018	08/17/2018 22:03	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.6 %		33.2-155		08/16/2018	08/17/2018 22:03	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	93.1	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-30-1
R183304-17 (Soil)

Date Sampled
08/16/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
cis-1,2-Dichloroethene	210	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Trichloroethene	310	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/16/2018	08/17/2018 22:29	EPA 8260B	



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SAP-30-1
R183304-17 (Soil)

Date Sampled
08/16/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.7 %	60.3-124			08/16/2018	08/17/2018 22:29	EPA 8260B	
Surrogate: Toluene-d8	84.4 %	63.1-121			08/16/2018	08/17/2018 22:29	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.2 %	33.2-155			08/16/2018	08/17/2018 22:29	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	88.4	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-4
R183304-18 (Soil)

Date Sampled
 08/16/2018 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
cis-1,2-Dichloroethene	460	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Trichloroethene	570	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/16/2018	08/17/2018 22:56	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-4
R183304-18 (Soil)

Date Sampled
 08/16/2018 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	77.6 %	60.3-124			08/16/2018	08/17/2018 22:56	EPA 8260B	
Surrogate: Toluene-d8	80.2 %	63.1-121			08/16/2018	08/17/2018 22:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.0 %	33.2-155			08/16/2018	08/17/2018 22:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	81.5	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-8
R183304-19 (Soil)

Date Sampled
 08/16/2018 14:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,2,4-Trimethylbenzene	40	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
cis-1,2-Dichloroethene	410	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
p-Isopropyltoluene	99	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	
Xylenes, total	ND	79	ug/kg dry	1	08/16/2018	08/17/2018 23:22	EPA 8260B	



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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-8
R183304-19 (Soil)

Date Sampled
 08/16/2018 14:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	80.8 %		60.3-124		08/16/2018	08/17/2018 23:22	EPA 8260B	
Surrogate: Toluene-d8	83.6 %		63.1-121		08/16/2018	08/17/2018 23:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.4 %		33.2-155		08/16/2018	08/17/2018 23:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	80.5	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-12
R183304-20 (Soil)

Date Sampled
08/16/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,1-Dichloroethene	150	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
cis-1,2-Dichloroethene	46000	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	E
Ethylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
trans-1,2-Dichloroethene	390	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Trichloroethene	15000	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	E
Vinyl chloride	4000	24	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/16/2018	08/17/2018 23:48	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-30-12
R183304-20 (Soil)

Date Sampled
 08/16/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808019

Surrogate: 1-Bromo-2-chloroethane	78.5 %		60.3-124		08/16/2018	08/17/2018 23:48	EPA 8260B	
Surrogate: Toluene-d8	79.9 %		63.1-121		08/16/2018	08/17/2018 23:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.6 %		33.2-155		08/16/2018	08/17/2018 23:48	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808020

% Solids	79.1	0.00	% by Weight	1	08/16/2018	08/18/2018 13:56	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-30-16
R183304-21 (Soil)

Date Sampled
 08/16/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
trans-1,2-Dichloroethene	71	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Trichloroethene	35	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Vinyl chloride	870	22	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/17/2018	08/18/2018 02:00	EPA 8260B	



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SAP-30-16
R183304-21 (Soil)

Date Sampled
08/16/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	74.3 %	60.3-124		08/17/2018	08/18/2018 02:00	EPA 8260B
Surrogate: Toluene-d8	75.7 %	63.1-121		08/17/2018	08/18/2018 02:00	EPA 8260B
Surrogate: 4-Bromofluorobenzene	84.4 %	33.2-155		08/17/2018	08/18/2018 02:00	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	81.8	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-31-1
R183304-22 (Soil)

Date Sampled
 08/16/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,1,2-Trichloroethane	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,1-Dichloroethane	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,1-Dichloroethene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,2-Dichlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,2-Dichloroethane	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,3-Dichlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
1,4-Dichlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
2-Chlorotoluene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
4-Chlorotoluene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Benzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Carbon tetrachloride	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Chlorobenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Chloroform	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Chloromethane	ND	57	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Ethylbenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Isopropylbenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
m,p-Xylene	ND	57	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Naphthalene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
n-Butyl Benzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
n-Propyl Benzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
o-Xylene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
p-Isopropyltoluene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
sec-Butyl Benzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Styrene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
tert-Butylbenzene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Tetrachloroethene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Toluene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Trichloroethene	31	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Vinyl chloride	ND	28	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	
Xylenes, total	ND	85	ug/kg dry	1	08/17/2018	08/18/2018 02:26	EPA 8260B	



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SAP-31-1
R183304-22 (Soil)

Date Sampled
 08/16/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	85.5 %		60.3-124		08/17/2018	08/18/2018 02:26	EPA 8260B	
Surrogate: Toluene-d8	88.3 %		63.1-121		08/17/2018	08/18/2018 02:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.9 %		33.2-155		08/17/2018	08/18/2018 02:26	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	90.1	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-31-4
R183304-23 (Soil)

Date Sampled
08/16/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Methylene chloride	ND	98	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Trichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Vinyl chloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X
Xylenes, total	ND	74	ug/kg dry	1	08/17/2018	08/18/2018 02:53	EPA 8260B	X



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SAP-31-4
R183304-23 (Soil)

Date Sampled
08/16/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	81.4 %	60.3-124		08/17/2018	08/18/2018 02:53	EPA 8260B
Surrogate: Toluene-d8	81.9 %	63.1-121		08/17/2018	08/18/2018 02:53	EPA 8260B
Surrogate: 4-Bromofluorobenzene	91.7 %	33.2-155		08/17/2018	08/18/2018 02:53	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	81.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-31-8
R183304-24 (Soil)

Date Sampled
08/16/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Trichloroethene	32	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/17/2018	08/18/2018 04:12	EPA 8260B	



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SAP-31-8
R183304-24 (Soil)

Date Sampled
 08/16/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	80.3 %		60.3-124		08/17/2018	08/18/2018 04:12	EPA 8260B	
Surrogate: Toluene-d8	81.8 %		63.1-121		08/17/2018	08/18/2018 04:12	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.8 %		33.2-155		08/17/2018	08/18/2018 04:12	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	79.5	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-31-12
R183304-25 (Soil)

Date Sampled
08/16/2018 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,1,2-Trichloroethane	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,1-Dichloroethane	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,1-Dichloroethene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,2-Dichlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,2-Dichloroethane	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,3-Dichlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
1,4-Dichlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
2-Chlorotoluene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
4-Chlorotoluene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Benzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Carbon tetrachloride	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Chlorobenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Chloroform	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Chloromethane	ND	62	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
cis-1,2-Dichloroethene	530	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Ethylbenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Isopropylbenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
m,p-Xylene	ND	62	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Naphthalene	39	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
n-Butyl Benzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
n-Propyl Benzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
o-Xylene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
p-Isopropyltoluene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
sec-Butyl Benzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Styrene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
tert-Butylbenzene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Tetrachloroethene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Toluene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Trichloroethene	ND	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Vinyl chloride	760	31	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	
Xylenes, total	ND	94	ug/kg dry	1	08/17/2018	08/18/2018 04:38	EPA 8260B	



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SAP-31-12
R183304-25 (Soil)

Date Sampled
 08/16/2018 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	78.7 %		60.3-124		08/17/2018	08/18/2018 04:38	EPA 8260B	
Surrogate: Toluene-d8	83.9 %		63.1-121		08/17/2018	08/18/2018 04:38	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %		33.2-155		08/17/2018	08/18/2018 04:38	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	77.4	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-31-16
R183304-26 (Soil)

Date Sampled
08/16/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,1-Dichloroethene	32	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
cis-1,2-Dichloroethene	9400	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
trans-1,2-Dichloroethene	170	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Vinyl chloride	2000	25	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/17/2018	08/18/2018 05:04	EPA 8260B	



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SAP-31-16
R183304-26 (Soil)

Date Sampled
 08/16/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	78.1 %		60.3-124		08/17/2018	08/18/2018 05:04	EPA 8260B	
Surrogate: Toluene-d8	79.3 %		63.1-121		08/17/2018	08/18/2018 05:04	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.0 %		33.2-155		08/17/2018	08/18/2018 05:04	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	77.4	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-32-1
R183305-01 (Soil)

Date Sampled
08/17/2018 08:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
cis-1,2-Dichloroethene	110	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/17/2018	08/18/2018 05:31	EPA 8260B	



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SAP-32-1
R183305-01 (Soil)

Date Sampled
08/17/2018 08:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	82.7 %	60.3-124			08/17/2018	08/18/2018 05:31	EPA 8260B	
Surrogate: Toluene-d8	85.5 %	63.1-121			08/17/2018	08/18/2018 05:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.3 %	33.2-155			08/17/2018	08/18/2018 05:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	87.4	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
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SAP-32-4
R183305-02 (Soil)

Date Sampled
08/17/2018 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/17/2018	08/18/2018 11:17	EPA 8260B	



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SAP-32-4
R183305-02 (Soil)

Date Sampled
08/17/2018 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	83.3 %		60.3-124		08/17/2018	08/18/2018 11:17	EPA 8260B	
Surrogate: Toluene-d8	83.0 %		63.1-121		08/17/2018	08/18/2018 11:17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.0 %		33.2-155		08/17/2018	08/18/2018 11:17	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	80.5	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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2525 Advance Road
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-32-8
R183305-03 (Soil)

Date Sampled
08/17/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,1-Dichloroethene	220	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,2,4-Trimethylbenzene	80	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,3,5-Trimethylbenzene	50	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Benzene	30	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
cis-1,2-Dichloroethene	110000	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	E
Ethylbenzene	130	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
m,p-Xylene	370	45	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Naphthalene	48	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
o-Xylene	180	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
p-Isopropyltoluene	370	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Toluene	200	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
trans-1,2-Dichloroethene	200	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	
Vinyl chloride	13000	23	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	HC, E
Xylenes, total	550	68	ug/kg dry	1	08/17/2018	08/18/2018 11:43	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

81.4 %

60.3-124

08/17/2018

08/18/2018 11:43

EPA 8260B



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-32-8
R183305-03 (Soil)

Date Sampled
08/17/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: Toluene-d8	82.7 %	63.1-121			08/17/2018	08/18/2018 11:43	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.0 %	33.2-155			08/17/2018	08/18/2018 11:43	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	79.8	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-32-11
R183305-04 (Soil)

Date Sampled
08/17/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,2,4-Trimethylbenzene	83	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,3,5-Trimethylbenzene	40	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Chloromethane	130	49	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	HC
cis-1,2-Dichloroethene	3300	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Ethylbenzene	250	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
m,p-Xylene	820	49	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Naphthalene	66	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
o-Xylene	460	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
p-Isopropyltoluene	100	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Toluene	380	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
trans-1,2-Dichloroethene	380	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	
Vinyl chloride	1000	25	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	HC
Xylenes, total	1300	74	ug/kg dry	1	08/17/2018	08/18/2018 12:09	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

81.0 % 60.3-124 08/17/2018 08/18/2018 12:09 EPA 8260B



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Project: Tell City Investigation
 Project Number: [none]

SAP-32-11
R183305-04 (Soil)

Date Sampled
08/17/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: Toluene-d8	83.6 %		63.1-121		08/17/2018	08/18/2018 12:09	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.7 %		33.2-155		08/17/2018	08/18/2018 12:09	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	76.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-32-12
R183305-05 (Soil)

Date Sampled
08/17/2018 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Lab #20								
Volatile Organic Compounds by Method 8260 - Direct Inject					Preparation Batch: R808021			
1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
cis-1,2-Dichloroethene	3500	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
trans-1,2-Dichloroethene	110	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Trichloroethene	380	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	
Vinyl chloride	51	23	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	HC
Xylenes, total	ND	69	ug/kg dry	1	08/17/2018	08/18/2018 12:35	EPA 8260B	



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SAP-32-12
R183305-05 (Soil)

Date Sampled
08/17/2018 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	75.9 %		60.3-124		08/17/2018	08/18/2018 12:35	EPA 8260B	
Surrogate: Toluene-d8	75.9 %		63.1-121		08/17/2018	08/18/2018 12:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.0 %		33.2-155		08/17/2018	08/18/2018 12:35	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	79.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-32-16
R183305-06 (Soil)

Date Sampled
08/17/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Chloromethane	76	47	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	HC
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/17/2018	08/18/2018 13:02	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-32-16
R183305-06 (Soil)

Date Sampled
08/17/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	78.6 %		60.3-124		08/17/2018	08/18/2018 13:02	EPA 8260B	
Surrogate: Toluene-d8	77.5 %		63.1-121		08/17/2018	08/18/2018 13:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.6 %		33.2-155		08/17/2018	08/18/2018 13:02	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	76.6	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-33-1
R183305-07 (Soil)

Date Sampled
08/17/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Chloromethane	ND	43	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
cis-1,2-Dichloroethene	330	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
m,p-Xylene	ND	43	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Methylene chloride	ND	87	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Trichloroethene	220	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	
Xylenes, total	ND	65	ug/kg dry	1	08/17/2018	08/18/2018 13:28	EPA 8260B	



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SAP-33-1

R183305-07 (Soil)

Date Sampled
08/17/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	80.1 %	60.3-124	08/17/2018	08/18/2018 13:28	EPA 8260B
Surrogate: Toluene-d8	84.0 %	63.1-121	08/17/2018	08/18/2018 13:28	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.2 %	33.2-155	08/17/2018	08/18/2018 13:28	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	91.8	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-33-4
R183305-08 (Soil)

Date Sampled
08/17/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
cis-1,2-Dichloroethene	35	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/17/2018	08/18/2018 13:55	EPA 8260B	



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SAP-33-4
R183305-08 (Soil)

Date Sampled
08/17/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	81.2 %	60.3-124		08/17/2018	08/18/2018 13:55	EPA 8260B
Surrogate: Toluene-d8	81.3 %	63.1-121		08/17/2018	08/18/2018 13:55	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.5 %	33.2-155		08/17/2018	08/18/2018 13:55	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	79.5	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-33-8
R183305-09 (Soil)

Date Sampled
08/17/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
cis-1,2-Dichloroethene	1000	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Tetrachloroethene	57	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Trichloroethene	8700	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/17/2018	08/18/2018 14:21	EPA 8260B	



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SAP-33-8
R183305-09 (Soil)

Date Sampled
08/17/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	79.1 %			60.3-124	08/17/2018	08/18/2018 14:21	EPA 8260B	
Surrogate: Toluene-d8	78.6 %			63.1-121	08/17/2018	08/18/2018 14:21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.0 %			33.2-155	08/17/2018	08/18/2018 14:21	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	77.4	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-33-12
R183305-10 (Soil)

Date Sampled
08/17/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,1-Dichloroethene	220	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,2,3-Trichlorobenzene	340	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,2,4-Trichlorobenzene	1200	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,2,4-Trimethylbenzene	280	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,3,5-Trimethylbenzene	170	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Benzene	30	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
cis-1,2-Dichloroethene	230000	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	E
Ethylbenzene	110	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
m,p-Xylene	350	47	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Naphthalene	130	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
n-Propyl Benzene	33	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
o-Xylene	160	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
p-Isopropyltoluene	73	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Tetrachloroethene	270	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Toluene	250	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
trans-1,2-Dichloroethene	610	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	
Trichloroethene	160000	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	E
Vinyl chloride	1700	23	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	HC
Xylenes, total	510	70	ug/kg dry	1	08/17/2018	08/18/2018 14:48	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

78.6 %

60.3-124

08/17/2018

08/18/2018 14:48

EPA 8260B



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SAP-33-12
R183305-10 (Soil)

Date Sampled
08/17/2018 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: Toluene-d8	79.2 %	63.1-121			08/17/2018	08/18/2018 14:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.8 %	33.2-155			08/17/2018	08/18/2018 14:48	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	79.5	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-33-16
R183305-11 (Soil)

Date Sampled
08/17/2018 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,1-Dichloroethene	75	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,2,4-Trimethylbenzene	73	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,3,5-Trimethylbenzene	70	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Chloromethane	210	48	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	HC
cis-1,2-Dichloroethene	90000	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	E
Ethylbenzene	130	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
m,p-Xylene	190	48	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Naphthalene	59	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
o-Xylene	190	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
p-Isopropyltoluene	54	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Tetrachloroethene	260	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Toluene	190	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
trans-1,2-Dichloroethene	260	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	
Trichloroethene	250000	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	E
Vinyl chloride	1400	24	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	HC
Xylenes, total	380	73	ug/kg dry	1	08/17/2018	08/18/2018 15:14	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

78.0 % 60.3-124 08/17/2018 08/18/2018 15:14 EPA 8260B



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 Project Number: [none]

SAP-33-16
R183305-11 (Soil)

Date Sampled
08/17/2018 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: Toluene-d8	78.9 %	63.1-121			08/17/2018	08/18/2018 15:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.2 %	33.2-155			08/17/2018	08/18/2018 15:14	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	80.8	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-34-1
R183305-12 (Soil)

Date Sampled
08/17/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/17/2018	08/18/2018 16:33	EPA 8260B	



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SAP-34-1
R183305-12 (Soil)

Date Sampled
08/17/2018 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	84.0 %			60.3-124	08/17/2018	08/18/2018 16:33	EPA 8260B	
Surrogate: Toluene-d8	87.7 %			63.1-121	08/17/2018	08/18/2018 16:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.3 %			33.2-155	08/17/2018	08/18/2018 16:33	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	85.3	0.00	% by Weight		1	08/17/2018	08/19/2018 10:21	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-34-4
R183305-13 (Soil)

Date Sampled
08/17/2018 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Trichloroethene	34	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/17/2018	08/18/2018 17:00	EPA 8260B	



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SAP-34-4
R183305-13 (Soil)

Date Sampled
08/17/2018 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	84.7 %	60.3-124			08/17/2018	08/18/2018 17:00	EPA 8260B	
Surrogate: Toluene-d8	88.2 %	63.1-121			08/17/2018	08/18/2018 17:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.2 %	33.2-155			08/17/2018	08/18/2018 17:00	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	85.3	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B	
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-34-8
R183305-14 (Soil)

Date Sampled
08/17/2018 09:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
cis-1,2-Dichloroethene	400	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Trichloroethene	100	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/17/2018	08/18/2018 17:26	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-34-8
R183305-14 (Soil)

Date Sampled
08/17/2018 09:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808021

Surrogate: 1-Bromo-2-chloroethane	77.1 %	60.3-124		08/17/2018	08/18/2018 17:26	EPA 8260B
Surrogate: Toluene-d8	77.1 %	63.1-121		08/17/2018	08/18/2018 17:26	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.2 %	33.2-155		08/17/2018	08/18/2018 17:26	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808023

% Solids	82.3	0.00	% by Weight	1	08/17/2018	08/19/2018 10:21	SM 2540B
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 Project Number: [none]

SAP-34-12
R183305-15 (Soil)

Date Sampled
08/17/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Trichloroethene	140	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/17/2018	08/18/2018 18:45	EPA 8260B	



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SAP-34-12
R183305-15 (Soil)

Date Sampled
08/17/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	73.4 %		60.3-124		08/17/2018	08/18/2018 18:45	EPA 8260B	
Surrogate: Toluene-d8	72.4 %		63.1-121		08/17/2018	08/18/2018 18:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.7 %		33.2-155		08/17/2018	08/18/2018 18:45	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	80.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-34-16
R183305-16 (Soil)

Date Sampled
08/17/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Methylene chloride	ND	87	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	
Xylenes, total	ND	66	ug/kg dry	1	08/17/2018	08/18/2018 19:12	EPA 8260B	



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SAP-34-16
R183305-16 (Soil)

Date Sampled
08/17/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	74.2 %		60.3-124		08/17/2018	08/18/2018 19:12	EPA 8260B	
Surrogate: Toluene-d8	71.3 %		63.1-121		08/17/2018	08/18/2018 19:12	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.3 %		33.2-155		08/17/2018	08/18/2018 19:12	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	82.6	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-35-1
R183305-17 (Soil)

Date Sampled
08/17/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Trichloroethene	210	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/17/2018	08/18/2018 19:38	EPA 8260B	



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SAP-35-1

R183305-17 (Soil)

Date Sampled
08/17/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	82.2 %	60.3-124	08/17/2018	08/18/2018 19:38	EPA 8260B
Surrogate: Toluene-d8	84.2 %	63.1-121	08/17/2018	08/18/2018 19:38	EPA 8260B
Surrogate: 4-Bromofluorobenzene	93.8 %	33.2-155	08/17/2018	08/18/2018 19:38	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	90.2	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B
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 Project Number: [none]

SAP-35-4
R183305-18 (Soil)

Date Sampled
08/17/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Trichloroethene	250	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/17/2018	08/19/2018 09:24	EPA 8260B	



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SAP-35-4
R183305-18 (Soil)

Date Sampled
08/17/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	81.3 %	60.3-124			08/17/2018	08/19/2018 09:24	EPA 8260B	
Surrogate: Toluene-d8	84.3 %	63.1-121			08/17/2018	08/19/2018 09:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.3 %	33.2-155			08/17/2018	08/19/2018 09:24	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.7	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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 Project Number: [none]

SAP-35-8
R183305-19 (Soil)

Date Sampled
08/17/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Trichloroethene	36	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/17/2018	08/19/2018 09:50	EPA 8260B	



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 Project Number: [none]

SAP-35-8
R183305-19 (Soil)

Date Sampled
08/17/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	81.9 %			60.3-124	08/17/2018	08/19/2018 09:50	EPA 8260B	
Surrogate: Toluene-d8	77.9 %			63.1-121	08/17/2018	08/19/2018 09:50	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.5 %			33.2-155	08/17/2018	08/19/2018 09:50	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.2	0.00	% by Weight		1	08/17/2018	08/19/2018 10:26	SM 2540B
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Project: Tell City Investigation
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SAP-35-12
R183305-20 (Soil)

Date Sampled
08/17/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	X
Xylenes, total	ND	71	ug/kg dry	1	08/17/2018	08/19/2018 10:16	EPA 8260B	



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SAP-35-12
R183305-20 (Soil)

Date Sampled
08/17/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	79.6 %		60.3-124		08/17/2018	08/19/2018 10:16	EPA 8260B	
Surrogate: Toluene-d8	77.1 %		63.1-121		08/17/2018	08/19/2018 10:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.8 %		33.2-155		08/17/2018	08/19/2018 10:16	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-35-16
R183305-21 (Soil)

Date Sampled
08/17/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Chloromethane	ND	43	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
m,p-Xylene	ND	43	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Methylene chloride	ND	86	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	
Xylenes, total	ND	65	ug/kg dry	1	08/17/2018	08/18/2018 23:37	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-35-16
R183305-21 (Soil)

Date Sampled
08/17/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	76.6 %		60.3-124		08/17/2018	08/18/2018 23:37	EPA 8260B	
Surrogate: Toluene-d8	76.2 %		63.1-121		08/17/2018	08/18/2018 23:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.5 %		33.2-155		08/17/2018	08/18/2018 23:37	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.9	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-36-1
R183305-22 (Soil)

Date Sampled
08/17/2018 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Trichloroethene	25	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/17/2018	08/19/2018 00:03	EPA 8260B	



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SAP-36-1

R183305-22 (Soil)

Date Sampled
08/17/2018 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	84.1 %	60.3-124		08/17/2018	08/19/2018 00:03	EPA 8260B
Surrogate: Toluene-d8	82.6 %	63.1-121		08/17/2018	08/19/2018 00:03	EPA 8260B
Surrogate: 4-Bromofluorobenzene	91.3 %	33.2-155		08/17/2018	08/19/2018 00:03	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	83.2	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-36-4
R183305-23 (Soil)

Date Sampled
08/17/2018 10:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Trichloroethene	43	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/17/2018	08/19/2018 00:29	EPA 8260B	



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SAP-36-4

R183305-23 (Soil)

Date Sampled
08/17/2018 10:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	81.1 %	60.3-124	08/17/2018	08/19/2018 00:29	EPA 8260B
Surrogate: Toluene-d8	82.1 %	63.1-121	08/17/2018	08/19/2018 00:29	EPA 8260B
Surrogate: 4-Bromofluorobenzene	88.3 %	33.2-155	08/17/2018	08/19/2018 00:29	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	80.3	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-36-8
R183305-24 (Soil)

Date Sampled
08/17/2018 10:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
cis-1,2-Dichloroethene	480	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Trichloroethene	16000	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	E
Vinyl chloride	ND	22	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/17/2018	08/19/2018 00:56	EPA 8260B	



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SAP-36-8
R183305-24 (Soil)

Date Sampled
08/17/2018 10:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	79.1 %			60.3-124	08/17/2018	08/19/2018 00:56	EPA 8260B	
Surrogate: Toluene-d8	76.9 %			63.1-121	08/17/2018	08/19/2018 00:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.2 %			33.2-155	08/17/2018	08/19/2018 00:56	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.3	0.00	% by Weight		1	08/17/2018	08/19/2018 10:26	SM 2540B
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-36-12
R183305-25 (Soil)

Date Sampled
08/17/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/17/2018	08/19/2018 01:22	EPA 8260B	



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 Project Number: [none]

SAP-36-12
R183305-25 (Soil)

Date Sampled
08/17/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	77.4 %	60.3-124			08/17/2018	08/19/2018 01:22	EPA 8260B	
Surrogate: Toluene-d8	74.1 %	63.1-121			08/17/2018	08/19/2018 01:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.8 %	33.2-155			08/17/2018	08/19/2018 01:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	81.3	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-36-16
R183305-26 (Soil)

Date Sampled
08/17/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/17/2018	08/19/2018 01:49	EPA 8260B	



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SAP-36-16
R183305-26 (Soil)

Date Sampled
08/17/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808022

Surrogate: 1-Bromo-2-chloroethane	76.5 %		60.3-124		08/17/2018	08/19/2018 01:49	EPA 8260B	
Surrogate: Toluene-d8	76.2 %		63.1-121		08/17/2018	08/19/2018 01:49	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.5 %		33.2-155		08/17/2018	08/19/2018 01:49	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808024

% Solids	80.7	0.00	% by Weight	1	08/17/2018	08/19/2018 10:26	SM 2540B	
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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-71 (62-66)
R183401-01 (Water)

Date Sampled
08/20/2018 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808025

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/20/2018	08/20/2018 14:58	EPA 8260B	



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AP-71 (62-66)

Date Sampled

R183401-01 (Water)

08/20/2018 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808025

Surrogate: Dibromofluoromethane	98.8 %	70.8-139			08/20/2018	08/20/2018 14:58	EPA 8260B	
Surrogate: Toluene-d8	90.6 %	76.6-116			08/20/2018	08/20/2018 14:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.1 %	71.4-118			08/20/2018	08/20/2018 14:58	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-71 (50-54)
R183401-02 (Water)

Date Sampled
08/20/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808025

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
cis-1,2-Dichloroethene	8.0	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	HC
Xylenes, total	ND	1.5	ug/kg	1	08/20/2018	08/20/2018 15:26	EPA 8260B	



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AP-71 (50-54)

Date Sampled

R183401-02 (Water)

08/20/2018 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808025

Surrogate: Dibromofluoromethane	97.7 %	70.8-139			08/20/2018	08/20/2018 15:26	EPA 8260B	
Surrogate: Toluene-d8	89.6 %	76.6-116			08/20/2018	08/20/2018 15:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.8 %	71.4-118			08/20/2018	08/20/2018 15:26	EPA 8260B	



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AP-90 (66-70)
R183402-01 (Water)

Date Sampled
08/21/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 12:59	EPA 8260B	



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AP-90 (66-70)

Date Sampled

R183402-01 (Water)

08/21/2018 08:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	97.5 %	70.8-139			08/21/2018	08/21/2018 12:59	EPA 8260B	
Surrogate: Toluene-d8	96.4 %	76.6-116			08/21/2018	08/21/2018 12:59	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.6 %	71.4-118			08/21/2018	08/21/2018 12:59	EPA 8260B	



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AP-90 (60-64)
R183402-02 (Water)

Date Sampled
08/21/2018 08:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 13:28	EPA 8260B	



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AP-90 (60-64)

Date Sampled

R183402-02 (Water)

08/21/2018 08:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	98.2 %	70.8-139			08/21/2018	08/21/2018 13:28	EPA 8260B	
Surrogate: Toluene-d8	92.5 %	76.6-116			08/21/2018	08/21/2018 13:28	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.4 %	71.4-118			08/21/2018	08/21/2018 13:28	EPA 8260B	



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AP-90 (54-58)
R183402-03 (Water)

Date Sampled
08/21/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 13:56	EPA 8260B	



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AP-90 (54-58)

Date Sampled

R183402-03 (Water)

08/21/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	96.3 %	70.8-139	70.8-139	08/21/2018	08/21/2018 13:56	EPA 8260B
Surrogate: Toluene-d8	92.5 %	76.6-116	76.6-116	08/21/2018	08/21/2018 13:56	EPA 8260B
Surrogate: 4-Bromofluorobenzene	94.8 %	71.4-118	71.4-118	08/21/2018	08/21/2018 13:56	EPA 8260B



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Project: Tell City Investigation
 Project Number: [none]

AP-90 (48-52)
R183402-04 (Water)

Date Sampled
08/21/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 14:25	EPA 8260B	



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AP-90 (48-52)
R183402-04 (Water)

Date Sampled
08/21/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	94.9 %	70.8-139			08/21/2018	08/21/2018 14:25	EPA 8260B	
Surrogate: Toluene-d8	93.1 %	76.6-116			08/21/2018	08/21/2018 14:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5 %	71.4-118			08/21/2018	08/21/2018 14:25	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-90 (42-46)
R183402-05 (Water)

Date Sampled
08/21/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 14:54	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-90 (42-46)
R183402-05 (Water)

Date Sampled
08/21/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	100 %	70.8-139			08/21/2018	08/21/2018 14:54	EPA 8260B	
Surrogate: Toluene-d8	95.0 %	76.6-116			08/21/2018	08/21/2018 14:54	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.1 %	71.4-118			08/21/2018	08/21/2018 14:54	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-90 (38-42)
R183402-06 (Water)

Date Sampled
08/21/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Toluene	0.61	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 15:22	EPA 8260B	



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AP-90 (38-42)

R183402-06 (Water)

Date Sampled
08/21/2018 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	96.8 %	70.8-139			08/21/2018	08/21/2018 15:22	EPA 8260B	
Surrogate: Toluene-d8	97.5 %	76.6-116			08/21/2018	08/21/2018 15:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.6 %	71.4-118			08/21/2018	08/21/2018 15:22	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-87 (75-79)
R183402-07 (Water)

Date Sampled
08/21/2018 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 15:51	EPA 8260B	



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AP-87 (75-79)

Date Sampled

R183402-07 (Water)

08/21/2018 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	100 %	70.8-139			08/21/2018	08/21/2018 15:51	EPA 8260B	
Surrogate: Toluene-d8	94.6 %	76.6-116			08/21/2018	08/21/2018 15:51	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.6 %	71.4-118			08/21/2018	08/21/2018 15:51	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-87 (66-70)
R183402-08 (Water)

Date Sampled
08/21/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Trichloroethene	0.55	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 16:20	EPA 8260B	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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AP-87 (66-70)

Date Sampled

R183402-08 (Water)

08/21/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	98.8 %	70.8-139			08/21/2018	08/21/2018 16:20	EPA 8260B	
Surrogate: Toluene-d8	95.7 %	76.6-116			08/21/2018	08/21/2018 16:20	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.3 %	71.4-118			08/21/2018	08/21/2018 16:20	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-87 (58-62)
R183402-09 (Water)

Date Sampled
08/21/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 16:48	EPA 8260B	



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AP-87 (58-62)

Date Sampled

R183402-09 (Water)

08/21/2018 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	96.1 %	70.8-139			08/21/2018	08/21/2018 16:48	EPA 8260B	
Surrogate: Toluene-d8	97.7 %	76.6-116			08/21/2018	08/21/2018 16:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.8 %	71.4-118			08/21/2018	08/21/2018 16:48	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-87 (50-54)
R183402-10 (Water)

Date Sampled
08/21/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 17:45	EPA 8260B	



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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

AP-87 (50-54)
R183402-10 (Water)

Date Sampled
08/21/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	100 %	70.8-139			08/21/2018	08/21/2018 17:45	EPA 8260B	
Surrogate: Toluene-d8	95.8 %	76.6-116			08/21/2018	08/21/2018 17:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5 %	71.4-118			08/21/2018	08/21/2018 17:45	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-87 (37-41)
R183402-11 (Water)

Date Sampled
08/21/2018 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Toluene	0.62	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 18:17	EPA 8260B	



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AP-87 (37-41)

Date Sampled

R183402-11 (Water)

08/21/2018 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	98.3 %	70.8-139			08/21/2018	08/21/2018 18:17	EPA 8260B	
Surrogate: Toluene-d8	96.6 %	76.6-116			08/21/2018	08/21/2018 18:17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5 %	71.4-118			08/21/2018	08/21/2018 18:17	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-89 (79-83)
R183402-12 (Water)

Date Sampled
08/21/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 18:45	EPA 8260B	



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AP-89 (79-83)
R183402-12 (Water)

Date Sampled
08/21/2018 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	104 %	70.8-139			08/21/2018	08/21/2018 18:45	EPA 8260B	
Surrogate: Toluene-d8	97.3 %	76.6-116			08/21/2018	08/21/2018 18:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.2 %	71.4-118			08/21/2018	08/21/2018 18:45	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

AP-89 (70-74)
R183402-13 (Water)

Date Sampled
08/21/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 19:14	EPA 8260B	



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AP-89 (70-74)
R183402-13 (Water)

Date Sampled
08/21/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

<i>Surrogate: Dibromofluoromethane</i>	<i>100 %</i>	<i>70.8-139</i>	<i>08/21/2018</i>	<i>08/21/2018 19:14</i>	<i>EPA 8260B</i>
<i>Surrogate: Toluene-d8</i>	<i>94.9 %</i>	<i>76.6-116</i>	<i>08/21/2018</i>	<i>08/21/2018 19:14</i>	<i>EPA 8260B</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.3 %</i>	<i>71.4-118</i>	<i>08/21/2018</i>	<i>08/21/2018 19:14</i>	<i>EPA 8260B</i>



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Project: Tell City Investigation
 Project Number: [none]

AP-89 (62-66)
R183402-14 (Water)

Date Sampled
 08/21/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Tetrachloroethene	0.66	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 19:42	EPA 8260B	



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AP-89 (62-66)
R183402-14 (Water)

Date Sampled
08/21/2018 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	99.9 %	70.8-139			08/21/2018	08/21/2018 19:42	EPA 8260B	
Surrogate: Toluene-d8	95.7 %	76.6-116			08/21/2018	08/21/2018 19:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.0 %	71.4-118			08/21/2018	08/21/2018 19:42	EPA 8260B	



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Project: Tell City Investigation
Project Number: [none]

AP-89 (54-58)
R183402-15 (Water)

Date Sampled
08/21/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Tetrachloroethene	0.84	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Toluene	0.51	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 22:34	EPA 8260B	



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AP-89 (54-58)

Date Sampled

R183402-15 (Water)

08/21/2018 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	104 %	70.8-139			08/21/2018	08/21/2018 22:34	EPA 8260B	
Surrogate: Toluene-d8	96.7 %	76.6-116			08/21/2018	08/21/2018 22:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.7 %	71.4-118			08/21/2018	08/21/2018 22:34	EPA 8260B	



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 Project Number: [none]

AP-89 (46-50)
R183402-16 (Water)

Date Sampled
 08/21/2018 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	1.2	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Tetrachloroethene	0.83	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Toluene	0.52	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 23:03	EPA 8260B	



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AP-89 (46-50)

Date Sampled

R183402-16 (Water)

08/21/2018 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	99.1 %	70.8-139	08/21/2018	08/21/2018 23:03	EPA 8260B
Surrogate: Toluene-d8	92.3 %	76.6-116	08/21/2018	08/21/2018 23:03	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.0 %	71.4-118	08/21/2018	08/21/2018 23:03	EPA 8260B



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AP-89 (37-41)
R183402-17 (Water)

Date Sampled
08/21/2018 17:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

1,1,1-Trichloroethane	0.64	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Chlorobenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Chloroform	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Chloromethane	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Ethylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
m,p-Xylene	ND	1.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Methylene chloride	ND	2.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Naphthalene	ND	5.0	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
o-Xylene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Styrene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Tetrachloroethene	0.80	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Toluene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Trichloroethene	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Vinyl chloride	ND	0.50	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	
Xylenes, total	ND	1.5	ug/kg	1	08/21/2018	08/21/2018 23:31	EPA 8260B	



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AP-89 (37-41)
R183402-17 (Water)

Date Sampled
08/21/2018 17:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: R808026

Surrogate: Dibromofluoromethane	104 %	70.8-139			08/21/2018	08/21/2018 23:31	EPA 8260B	
Surrogate: Toluene-d8	93.5 %	76.6-116			08/21/2018	08/21/2018 23:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.1 %	71.4-118			08/21/2018	08/21/2018 23:31	EPA 8260B	



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SAP-37-1
R183403-01 (Soil)

Date Sampled
08/22/2018 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Ethylbenzene	33	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
m,p-Xylene	48	45	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/22/2018	08/22/2018 12:45	EPA 8260B	



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SAP-37-1

R183403-01 (Soil)

Date Sampled
08/22/2018 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	82.1 %	60.3-124	08/22/2018	08/22/2018 12:45	EPA 8260B
Surrogate: Toluene-d8	80.2 %	63.1-121	08/22/2018	08/22/2018 12:45	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.3 %	33.2-155	08/22/2018	08/22/2018 12:45	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	82.8	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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 Project Number: [none]

SAP-37-4
R183403-02 (Soil)

Date Sampled
08/22/2018 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/22/2018	08/22/2018 13:11	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-37-4

R183403-02 (Soil)

Date Sampled
08/22/2018 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	81.1 %	60.3-124	08/22/2018	08/22/2018 13:11	EPA 8260B
Surrogate: Toluene-d8	79.2 %	63.1-121	08/22/2018	08/22/2018 13:11	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.8 %	33.2-155	08/22/2018	08/22/2018 13:11	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	77.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-37-8
R183403-03 (Soil)

Date Sampled
08/22/2018 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
cis-1,2-Dichloroethene	78	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Tetrachloroethene	34	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Trichloroethene	4700	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/22/2018 13:38	EPA 8260B	



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 Project Number: [none]

SAP-37-8
R183403-03 (Soil)

Date Sampled
 08/22/2018 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	77.8 %		60.3-124		08/22/2018	08/22/2018 13:38	EPA 8260B	
Surrogate: Toluene-d8	77.3 %		63.1-121		08/22/2018	08/22/2018 13:38	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	79.1 %		33.2-155		08/22/2018	08/22/2018 13:38	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	76.9	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-37-12
R183403-04 (Soil)

Date Sampled
08/22/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,1-Dichloroethene	37	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
cis-1,2-Dichloroethene	6700	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Vinyl chloride	59	24	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/22/2018 14:04	EPA 8260B	



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SAP-37-12
R183403-04 (Soil)

Date Sampled
08/22/2018 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	59.1 %			60.3-124	08/22/2018	08/22/2018 14:04	EPA 8260B	S
Surrogate: Toluene-d8	60.1 %			63.1-121	08/22/2018	08/22/2018 14:04	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene	63.6 %			33.2-155	08/22/2018	08/22/2018 14:04	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	79.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-37-16
R183403-05 (Soil)

Date Sampled
08/22/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/22/2018	08/22/2018 14:31	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-37-16
R183403-05 (Soil)

Date Sampled
08/22/2018 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	80.0 %			60.3-124	08/22/2018	08/22/2018 14:31	EPA 8260B	
Surrogate: Toluene-d8	77.0 %			63.1-121	08/22/2018	08/22/2018 14:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.0 %			33.2-155	08/22/2018	08/22/2018 14:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	81.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-38-1
R183403-06 (Soil)

Date Sampled
08/22/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/22/2018	08/22/2018 14:57	EPA 8260B	



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 Project Number: [none]

SAP-38-1
R183403-06 (Soil)

Date Sampled
 08/22/2018 08:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	81.0 %	60.3-124		08/22/2018	08/22/2018 14:57	EPA 8260B
Surrogate: Toluene-d8	81.7 %	63.1-121		08/22/2018	08/22/2018 14:57	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.2 %	33.2-155		08/22/2018	08/22/2018 14:57	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	79.0	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-38-4
R183403-07 (Soil)

Date Sampled
 08/22/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Trichloroethene	38	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/22/2018	08/22/2018 15:24	EPA 8260B	



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SAP-38-4

R183403-07 (Soil)

Date Sampled
08/22/2018 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	82.2 %	60.3-124	08/22/2018	08/22/2018 15:24	EPA 8260B
Surrogate: Toluene-d8	82.2 %	63.1-121	08/22/2018	08/22/2018 15:24	EPA 8260B
Surrogate: 4-Bromofluorobenzene	87.9 %	33.2-155	08/22/2018	08/22/2018 15:24	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	83.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-38-8
R183403-08 (Soil)

Date Sampled
 08/22/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Trichloroethene	150	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/22/2018	08/22/2018 15:50	EPA 8260B	



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SAP-38-8

R183403-08 (Soil)

Date Sampled
08/22/2018 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	79.4 %	60.3-124	08/22/2018	08/22/2018 15:50	EPA 8260B
Surrogate: Toluene-d8	79.8 %	63.1-121	08/22/2018	08/22/2018 15:50	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.1 %	33.2-155	08/22/2018	08/22/2018 15:50	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	79.9	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-38-12
R183403-09 (Soil)

Date Sampled
08/22/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,1,2-Trichloroethane	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,1-Dichloroethane	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,1-Dichloroethene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,2,3-Trichlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,2,4-Trichlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,2,4-Trimethylbenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,2-Dichlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,2-Dichloroethane	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,3,5-Trimethylbenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,3-Dichlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
1,4-Dichlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
2-Chlorotoluene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
4-Chlorotoluene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Benzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Carbon tetrachloride	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Chlorobenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Chloroform	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Chloromethane	ND	59	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
cis-1,2-Dichloroethene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Ethylbenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Isopropylbenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
m,p-Xylene	ND	59	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Naphthalene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
n-Butyl Benzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
n-Propyl Benzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
o-Xylene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
p-Isopropyltoluene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
sec-Butyl Benzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Styrene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
tert-Butylbenzene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Tetrachloroethene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Toluene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
trans-1,2-Dichloroethene	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Trichloroethene	42	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Vinyl chloride	ND	30	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	
Xylenes, total	ND	89	ug/kg dry	1	08/22/2018	08/22/2018 17:10	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-38-12
R183403-09 (Soil)

Date Sampled
08/22/2018 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	87.7 %	60.3-124			08/22/2018	08/22/2018 17:10	EPA 8260B	
Surrogate: Toluene-d8	91.8 %	63.1-121			08/22/2018	08/22/2018 17:10	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.5 %	33.2-155			08/22/2018	08/22/2018 17:10	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	85.5	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-38-16
R183403-10 (Soil)

Date Sampled
08/22/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Trichloroethene	94	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/22/2018 17:36	EPA 8260B	



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SAP-38-16
R183403-10 (Soil)

Date Sampled
08/22/2018 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	84.9 %		60.3-124		08/22/2018	08/22/2018 17:36	EPA 8260B	
Surrogate: Toluene-d8	84.5 %		63.1-121		08/22/2018	08/22/2018 17:36	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.3 %		33.2-155		08/22/2018	08/22/2018 17:36	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	76.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-39-1
R183403-11 (Soil)

Date Sampled
 08/22/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
cis-1,2-Dichloroethene	630	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Trichloroethene	330	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/22/2018	08/22/2018 18:02	EPA 8260B	



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SAP-39-1

R183403-11 (Soil)

Date Sampled
08/22/2018 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	87.7 %	60.3-124	08/22/2018	08/22/2018 18:02	EPA 8260B
Surrogate: Toluene-d8	87.5 %	63.1-121	08/22/2018	08/22/2018 18:02	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.6 %	33.2-155	08/22/2018	08/22/2018 18:02	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	88.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-39-4
R183403-12 (Soil)

Date Sampled
 08/22/2018 09:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
cis-1,2-Dichloroethene	370	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Tetrachloroethene	24	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Trichloroethene	860	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/22/2018 18:29	EPA 8260B	



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SAP-39-4
R183403-12 (Soil)

Date Sampled
08/22/2018 09:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	87.2 %	60.3-124		08/22/2018	08/22/2018 18:29	EPA 8260B
Surrogate: Toluene-d8	87.4 %	63.1-121		08/22/2018	08/22/2018 18:29	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.2 %	33.2-155		08/22/2018	08/22/2018 18:29	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	83.5	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-39-8
R183403-13 (Soil)

Date Sampled
 08/22/2018 09:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,2,4-Trichlorobenzene	54	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
cis-1,2-Dichloroethene	3200	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Tetrachloroethene	320	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Trichloroethene	6100	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/22/2018 18:55	EPA 8260B	



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SAP-39-8
R183403-13 (Soil)

Date Sampled
08/22/2018 09:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	86.3 %		60.3-124		08/22/2018	08/22/2018 18:55	EPA 8260B	
Surrogate: Toluene-d8	85.6 %		63.1-121		08/22/2018	08/22/2018 18:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.7 %		33.2-155		08/22/2018	08/22/2018 18:55	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	83.7	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-39-12
R183403-14 (Soil)

Date Sampled
08/22/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Chloromethane	ND	52	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
cis-1,2-Dichloroethene	1900	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
m,p-Xylene	ND	52	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Tetrachloroethene	1300	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Trichloroethene	24000	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	E
Vinyl chloride	ND	26	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	
Xylenes, total	ND	78	ug/kg dry	1	08/22/2018	08/22/2018 19:22	EPA 8260B	



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SAP-39-12
R183403-14 (Soil)

Date Sampled
08/22/2018 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	83.3 %		60.3-124		08/22/2018	08/22/2018 19:22	EPA 8260B	
Surrogate: Toluene-d8	83.9 %		63.1-121		08/22/2018	08/22/2018 19:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.4 %		33.2-155		08/22/2018	08/22/2018 19:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	76.3	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-39-16
R183403-15 (Soil)

Date Sampled
08/22/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
cis-1,2-Dichloroethene	2300	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Trichloroethene	84	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Vinyl chloride	48	23	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/22/2018	08/23/2018 07:43	EPA 8260B	



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SAP-39-16
R183403-15 (Soil)

Date Sampled
 08/22/2018 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	83.9 %		60.3-124		08/22/2018	08/23/2018 07:43	EPA 8260B	
Surrogate: Toluene-d8	80.0 %		63.1-121		08/22/2018	08/23/2018 07:43	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.0 %		33.2-155		08/22/2018	08/23/2018 07:43	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	78.3	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
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SAP-40-1
R183403-16 (Soil)

Date Sampled
 08/22/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
cis-1,2-Dichloroethene	680	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Tetrachloroethene	42	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Trichloroethene	12000	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	E
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/22/2018 20:41	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-40-1
R183403-16 (Soil)

Date Sampled
 08/22/2018 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	85.5 %		60.3-124		08/22/2018	08/22/2018 20:41	EPA 8260B	
Surrogate: Toluene-d8	83.0 %		63.1-121		08/22/2018	08/22/2018 20:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.2 %		33.2-155		08/22/2018	08/22/2018 20:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	80.6	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-40-4
R183403-17 (Soil)

Date Sampled
 08/22/2018 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,1,2-Trichloroethane	150	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Chloroform	52	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
cis-1,2-Dichloroethene	3300	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Tetrachloroethene	160	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
trans-1,2-Dichloroethene	33	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Trichloroethene	73000	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	E
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/22/2018 21:08	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

82.4 %

60.3-124

08/22/2018

08/22/2018 21:08

EPA 8260B



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SAP-40-4

R183403-17 (Soil)

Date Sampled
08/22/2018 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

<i>Surrogate: Toluene-d8</i>	77.5 %	63.1-121		08/22/2018	08/22/2018 21:08	EPA 8260B
<i>Surrogate: 4-Bromofluorobenzene</i>	92.3 %	33.2-155		08/22/2018	08/22/2018 21:08	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	75.5	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B
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Indianapolis IN, 46204

Project: Tell City Investigation
Project Number: [none]

SAP-40-8
R183403-18 (Soil)

Date Sampled
08/22/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,1,2-Trichloroethane	320	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,1-Dichloroethene	610	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Chloroform	31	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
cis-1,2-Dichloroethene	69000	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	E
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Tetrachloroethene	170	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Toluene	81	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
trans-1,2-Dichloroethene	1200	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Trichloroethene	280000	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	E
Vinyl chloride	32	25	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/22/2018 21:34	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

77.6 %

60.3-124

08/22/2018

08/22/2018 21:34

EPA 8260B



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-40-8
R183403-18 (Soil)

Date Sampled
08/22/2018 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: Toluene-d8	73.9 %	63.1-121			08/22/2018	08/22/2018 21:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.6 %	33.2-155			08/22/2018	08/22/2018 21:34	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	77.3	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-40-12
R183403-19 (Soil)

Date Sampled
08/22/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,1-Dichloroethene	220	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Chloromethane	160	45	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
cis-1,2-Dichloroethene	160000	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	E
Ethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
trans-1,2-Dichloroethene	1200	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Trichloroethene	91	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Vinyl chloride	130	22	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/22/2018	08/22/2018 22:54	EPA 8260B	

Surrogate: 1-Bromo-2-chloroethane

81.0 %

60.3-124

08/22/2018

08/22/2018 22:54

EPA 8260B



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 Project Number: [none]

SAP-40-12
R183403-19 (Soil)

Date Sampled
08/22/2018 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: Toluene-d8	76.5 %	63.1-121			08/22/2018	08/22/2018 22:54	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.7 %	33.2-155			08/22/2018	08/22/2018 22:54	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	80.8	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-40-16
R183403-20 (Soil)

Date Sampled
08/22/2018 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	M, X
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	M
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Chloromethane	220	47	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	M1, X
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Trichloroethene	34	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/22/2018 23:20	EPA 8260B	



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SAP-40-16
R183403-20 (Soil)

Date Sampled
08/22/2018 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808027

Surrogate: 1-Bromo-2-chloroethane	80.2 %	60.3-124			08/22/2018	08/22/2018 23:20	EPA 8260B	
Surrogate: Toluene-d8	79.9 %	63.1-121			08/22/2018	08/22/2018 23:20	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.9 %	33.2-155			08/22/2018	08/22/2018 23:20	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808029

% Solids	80.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:49	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-41-1
R183403-21 (Soil)

Date Sampled
08/22/2018 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Trichloroethene	830	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/23/2018 01:32	EPA 8260B	



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SAP-41-1
R183403-21 (Soil)

Date Sampled
08/22/2018 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	85.8 %		60.3-124		08/22/2018	08/23/2018 01:32	EPA 8260B	
Surrogate: Toluene-d8	85.9 %		63.1-121		08/22/2018	08/23/2018 01:32	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.1 %		33.2-155		08/22/2018	08/23/2018 01:32	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	86.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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 Project Number: [none]

SAP-41-4
R183403-22 (Soil)

Date Sampled
08/22/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
cis-1,2-Dichloroethene	33	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Trichloroethene	2400	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/23/2018 01:58	EPA 8260B	



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SAP-41-4

R183403-22 (Soil)

Date Sampled
08/22/2018 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	77.5 %		60.3-124		08/22/2018	08/23/2018 01:58	EPA 8260B	
Surrogate: Toluene-d8	76.5 %		63.1-121		08/22/2018	08/23/2018 01:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.1 %		33.2-155		08/22/2018	08/23/2018 01:58	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	79.8	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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SAP-41-8
R183403-23 (Soil)

Date Sampled
08/22/2018 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Trichloroethene	780	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/22/2018	08/23/2018 02:25	EPA 8260B	



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SAP-41-8
R183403-23 (Soil)

Date Sampled
 08/22/2018 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	83.0 %			60.3-124	08/22/2018	08/23/2018 02:25	EPA 8260B	
Surrogate: Toluene-d8	80.1 %			63.1-121	08/22/2018	08/23/2018 02:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.8 %			33.2-155	08/22/2018	08/23/2018 02:25	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	77.8	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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SAP-41-12
R183403-24 (Soil)

Date Sampled
08/22/2018 12:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 02:51	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-41-12
R183403-24 (Soil)

Date Sampled
08/22/2018 12:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	80.9 %		60.3-124		08/22/2018	08/23/2018 02:51	EPA 8260B	
Surrogate: Toluene-d8	76.9 %		63.1-121		08/22/2018	08/23/2018 02:51	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.6 %		33.2-155		08/22/2018	08/23/2018 02:51	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	79.0	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-41-16
R183403-25 (Soil)

Date Sampled
08/22/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Chloromethane	87	47	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 04:11	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-41-16
R183403-25 (Soil)

Date Sampled
 08/22/2018 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	79.9 %		60.3-124		08/22/2018	08/23/2018 04:11	EPA 8260B	
Surrogate: Toluene-d8	76.8 %		63.1-121		08/22/2018	08/23/2018 04:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.3 %		33.2-155		08/22/2018	08/23/2018 04:11	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	75.5	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-42-1
R183403-26 (Soil)

Date Sampled
08/22/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Tetrachloroethene	82	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Trichloroethene	4900	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/22/2018	08/23/2018 04:38	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-42-1
R183403-26 (Soil)

Date Sampled
 08/22/2018 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	84.6 %	60.3-124		08/22/2018	08/23/2018 04:38	EPA 8260B
Surrogate: Toluene-d8	85.8 %	63.1-121		08/22/2018	08/23/2018 04:38	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.4 %	33.2-155		08/22/2018	08/23/2018 04:38	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	88.9	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-42-4
R183403-27 (Soil)

Date Sampled
08/22/2018 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Trichloroethene	110	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	
Xylenes, total	ND	75	ug/kg dry	1	08/22/2018	08/23/2018 05:04	EPA 8260B	



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SAP-42-4

R183403-27 (Soil)

Date Sampled
08/22/2018 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	84.8 %	60.3-124	08/22/2018	08/23/2018 05:04	EPA 8260B
Surrogate: Toluene-d8	81.9 %	63.1-121	08/22/2018	08/23/2018 05:04	EPA 8260B
Surrogate: 4-Bromofluorobenzene	90.4 %	33.2-155	08/22/2018	08/23/2018 05:04	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	78.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-42-8
R183403-28 (Soil)

Date Sampled
08/22/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Trichloroethene	200	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/23/2018 05:31	EPA 8260B	



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SAP-42-8
R183403-28 (Soil)

Date Sampled
 08/22/2018 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	84.8 %		60.3-124		08/22/2018	08/23/2018 05:31	EPA 8260B	
Surrogate: Toluene-d8	83.8 %		63.1-121		08/22/2018	08/23/2018 05:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	88.2 %		33.2-155		08/22/2018	08/23/2018 05:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	81.9	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-42-12
R183403-29 (Soil)

Date Sampled
08/22/2018 13:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Trichloroethene	270	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/22/2018	08/23/2018 05:57	EPA 8260B	



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SAP-42-12
R183403-29 (Soil)

Date Sampled
08/22/2018 13:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	83.1 %		60.3-124		08/22/2018	08/23/2018 05:57	EPA 8260B	
Surrogate: Toluene-d8	81.0 %		63.1-121		08/22/2018	08/23/2018 05:57	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.0 %		33.2-155		08/22/2018	08/23/2018 05:57	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	77.2	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-42-16
R183403-30 (Soil)

Date Sampled
08/22/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Chloromethane	ND	50	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
m,p-Xylene	ND	50	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/23/2018 06:23	EPA 8260B	



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SAP-42-16

R183403-30 (Soil)

Date Sampled
08/22/2018 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	80.2 %	60.3-124	08/22/2018	08/23/2018 06:23	EPA 8260B
Surrogate: Toluene-d8	80.1 %	63.1-121	08/22/2018	08/23/2018 06:23	EPA 8260B
Surrogate: 4-Bromofluorobenzene	83.0 %	33.2-155	08/22/2018	08/23/2018 06:23	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	79.0	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-43-1
R183403-31 (Soil)

Date Sampled
 08/22/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Trichloroethene	250	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 06:50	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-43-1
R183403-31 (Soil)

Date Sampled
 08/22/2018 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	85.0 %		60.3-124		08/22/2018	08/23/2018 06:50	EPA 8260B	
Surrogate: Toluene-d8	86.0 %		63.1-121		08/22/2018	08/23/2018 06:50	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	90.3 %		33.2-155		08/22/2018	08/23/2018 06:50	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	87.0	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-43-4
R183403-32 (Soil)

Date Sampled
08/22/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Trichloroethene	65	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 07:16	EPA 8260B	



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SAP-43-4
R183403-32 (Soil)

Date Sampled
 08/22/2018 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	87.6 %		60.3-124		08/22/2018	08/23/2018 07:16	EPA 8260B	
Surrogate: Toluene-d8	85.1 %		63.1-121		08/22/2018	08/23/2018 07:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.2 %		33.2-155		08/22/2018	08/23/2018 07:16	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	84.6	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-43-8
R183403-33 (Soil)

Date Sampled
08/22/2018 14:03

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Trichloroethene	290	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/23/2018 09:29	EPA 8260B	



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SAP-43-8
R183403-33 (Soil)

Date Sampled
 08/22/2018 14:03

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	90.2 %		60.3-124		08/22/2018	08/23/2018 09:29	EPA 8260B	
Surrogate: Toluene-d8	91.9 %		63.1-121		08/22/2018	08/23/2018 09:29	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.7 %		33.2-155		08/22/2018	08/23/2018 09:29	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	85.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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SAP-43-12
R183403-34 (Soil)

Date Sampled
08/22/2018 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Trichloroethene	200	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/23/2018 09:55	EPA 8260B	



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SAP-43-12
R183403-34 (Soil)

Date Sampled
08/22/2018 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	83.4 %			60.3-124	08/22/2018	08/23/2018 09:55	EPA 8260B	
Surrogate: Toluene-d8	84.4 %			63.1-121	08/22/2018	08/23/2018 09:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.7 %			33.2-155	08/22/2018	08/23/2018 09:55	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	82.3	0.00	% by Weight		1	08/22/2018	08/23/2018 06:53	SM 2540B
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SAP-43-16
R183403-35 (Soil)

Date Sampled
08/22/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
cis-1,2-Dichloroethene	380	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	M
Ethylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Tetrachloroethene	1500	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	M
Toluene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	M
Trichloroethene	130000	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	M1, E
Vinyl chloride	ND	25	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/22/2018	08/23/2018 10:21	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-43-16
R183403-35 (Soil)

Date Sampled
 08/22/2018 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	80.0 %		60.3-124		08/22/2018	08/23/2018 10:21	EPA 8260B	
Surrogate: Toluene-d8	75.9 %		63.1-121		08/22/2018	08/23/2018 10:21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.5 %		33.2-155		08/22/2018	08/23/2018 10:21	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	72.1	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-44-1
R183403-36 (Soil)

Date Sampled
08/22/2018 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Methylene chloride	ND	88	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Tetrachloroethene	190	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Trichloroethene	330	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	
Xylenes, total	ND	66	ug/kg dry	1	08/22/2018	08/23/2018 11:41	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-44-1
R183403-36 (Soil)

Date Sampled
 08/22/2018 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	84.8 %		60.3-124		08/22/2018	08/23/2018 11:41	EPA 8260B	
Surrogate: Toluene-d8	82.3 %		63.1-121		08/22/2018	08/23/2018 11:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	89.9 %		33.2-155		08/22/2018	08/23/2018 11:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	83.4	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-44-4
R183403-37 (Soil)

Date Sampled
08/22/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Tetrachloroethene	14000	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	E
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Trichloroethene	970	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/22/2018	08/23/2018 12:07	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-44-4
R183403-37 (Soil)

Date Sampled
 08/22/2018 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	85.2 %		60.3-124		08/22/2018	08/23/2018 12:07	EPA 8260B	
Surrogate: Toluene-d8	84.1 %		63.1-121		08/22/2018	08/23/2018 12:07	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.5 %		33.2-155		08/22/2018	08/23/2018 12:07	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	77.7	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-44-8
R183403-38 (Soil)

Date Sampled
 08/22/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
cis-1,2-Dichloroethene	190	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Methylene chloride	ND	91	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	
Xylenes, total	ND	68	ug/kg dry	1	08/22/2018	08/23/2018 12:33	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-44-8
R183403-38 (Soil)

Date Sampled
 08/22/2018 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	81.4 %	60.3-124		08/22/2018	08/23/2018 12:33	EPA 8260B
Surrogate: Toluene-d8	79.2 %	63.1-121		08/22/2018	08/23/2018 12:33	EPA 8260B
Surrogate: 4-Bromofluorobenzene	85.1 %	33.2-155		08/22/2018	08/23/2018 12:33	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	80.3	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B
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SAP-44-12
R183403-39 (Soil)

Date Sampled
08/22/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 13:00	EPA 8260B	



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SAP-44-12
R183403-39 (Soil)

Date Sampled
08/22/2018 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	88.7 %		60.3-124		08/22/2018	08/23/2018 13:00	EPA 8260B	
Surrogate: Toluene-d8	87.7 %		63.1-121		08/22/2018	08/23/2018 13:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.0 %		33.2-155		08/22/2018	08/23/2018 13:00	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	80.0	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-44-16
R183403-40 (Soil)

Date Sampled
08/22/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/22/2018	08/23/2018 13:26	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-44-16
R183403-40 (Soil)

Date Sampled
08/22/2018 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808028

Surrogate: 1-Bromo-2-chloroethane	81.2 %	60.3-124			08/22/2018	08/23/2018 13:26	EPA 8260B	
Surrogate: Toluene-d8	76.8 %	63.1-121			08/22/2018	08/23/2018 13:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	76.6 %	33.2-155			08/22/2018	08/23/2018 13:26	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808030

% Solids	76.8	0.00	% by Weight	1	08/22/2018	08/23/2018 06:53	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-45-1
R183403-41 (Soil)

Date Sampled
08/22/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/23/2018	08/23/2018 16:04	EPA 8260B	



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SAP-45-1

R183403-41 (Soil)

Date Sampled
08/22/2018 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	86.7 %	60.3-124	08/23/2018	08/23/2018 16:04	EPA 8260B
Surrogate: Toluene-d8	86.8 %	63.1-121	08/23/2018	08/23/2018 16:04	EPA 8260B
Surrogate: 4-Bromofluorobenzene	88.8 %	33.2-155	08/23/2018	08/23/2018 16:04	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	82.0	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B
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Project: Tell City Investigation
Project Number: [none]

SAP-45-4
R183403-42 (Soil)

Date Sampled
08/22/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Tetrachloroethene	54	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Trichloroethene	150	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/23/2018	08/23/2018 16:31	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-45-4
R183403-42 (Soil)

Date Sampled
 08/22/2018 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	84.0 %		60.3-124		08/23/2018	08/23/2018 16:31	EPA 8260B	
Surrogate: Toluene-d8	84.3 %		63.1-121		08/23/2018	08/23/2018 16:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.9 %		33.2-155		08/23/2018	08/23/2018 16:31	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	80.7	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
Project Number: [none]

SAP-45-8
R183403-43 (Soil)

Date Sampled
08/22/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Chloromethane	ND	44	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
cis-1,2-Dichloroethene	250	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
m,p-Xylene	ND	44	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Methylene chloride	ND	88	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Tetrachloroethene	22000	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	E
Toluene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Trichloroethene	750	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	
Xylenes, total	ND	66	ug/kg dry	1	08/23/2018	08/23/2018 16:57	EPA 8260B	



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SAP-45-8

R183403-43 (Soil)

Date Sampled
08/22/2018 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	80.2 %	60.3-124	08/23/2018	08/23/2018 16:57	EPA 8260B
Surrogate: Toluene-d8	79.3 %	63.1-121	08/23/2018	08/23/2018 16:57	EPA 8260B
Surrogate: 4-Bromofluorobenzene	85.3 %	33.2-155	08/23/2018	08/23/2018 16:57	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	81.4	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B
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Project: Tell City Investigation
 Project Number: [none]

SAP-45-12
R183403-44 (Soil)

Date Sampled
08/22/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
cis-1,2-Dichloroethene	720	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
trans-1,2-Dichloroethene	70	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/23/2018	08/23/2018 17:24	EPA 8260B	



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SAP-45-12
R183403-44 (Soil)

Date Sampled
 08/22/2018 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	82.0 %		60.3-124		08/23/2018	08/23/2018 17:24	EPA 8260B	
Surrogate: Toluene-d8	79.6 %		63.1-121		08/23/2018	08/23/2018 17:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.0 %		33.2-155		08/23/2018	08/23/2018 17:24	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	80.6	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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SAP-45-16
R183403-45 (Soil)

Date Sampled
08/22/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	M
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	X, M
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	X
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	X
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	X
Xylenes, total	ND	72	ug/kg dry	1	08/23/2018	08/23/2018 17:50	EPA 8260B	



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SAP-45-16
R183403-45 (Soil)

Date Sampled
08/22/2018 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	78.1 %			60.3-124	08/23/2018	08/23/2018 17:50	EPA 8260B	
Surrogate: Toluene-d8	76.4 %			63.1-121	08/23/2018	08/23/2018 17:50	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	80.2 %			33.2-155	08/23/2018	08/23/2018 17:50	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	77.1	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-46-1
R183404-01 (Soil)

Date Sampled
 08/23/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Trichloroethene	36	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/23/2018	08/23/2018 20:29	EPA 8260B	



2525 Advance Road
 Madison, WI 53718
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-46-1
R183404-01 (Soil)

Date Sampled
 08/23/2018 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	85.8 %			60.3-124	08/23/2018	08/23/2018 20:29	EPA 8260B	
Surrogate: Toluene-d8	86.3 %			63.1-121	08/23/2018	08/23/2018 20:29	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.6 %			33.2-155	08/23/2018	08/23/2018 20:29	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	83.3	0.00	% by Weight		1	08/23/2018	08/24/2018 08:13	SM 2540B
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-46-4
R183404-02 (Soil)

Date Sampled
08/23/2018 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Trichloroethene	24	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/23/2018	08/23/2018 20:56	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-46-4
R183404-02 (Soil)

Date Sampled
 08/23/2018 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	83.8 %	60.3-124	08/23/2018	08/23/2018 20:56	EPA 8260B
Surrogate: Toluene-d8	81.4 %	63.1-121	08/23/2018	08/23/2018 20:56	EPA 8260B
Surrogate: 4-Bromofluorobenzene	84.6 %	33.2-155	08/23/2018	08/23/2018 20:56	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	78.6	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-46-8
R183404-03 (Soil)

Date Sampled
 08/23/2018 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Trichloroethene	84	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/23/2018	08/23/2018 21:22	EPA 8260B	



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ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-46-8
R183404-03 (Soil)

Date Sampled
08/23/2018 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	66.0 %			60.3-124	08/23/2018	08/23/2018 21:22	EPA 8260B	
Surrogate: Toluene-d8	64.7 %			63.1-121	08/23/2018	08/23/2018 21:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	67.8 %			33.2-155	08/23/2018	08/23/2018 21:22	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	81.5	0.00	% by Weight		1	08/23/2018	08/24/2018 08:13	SM 2540B
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-46-12
R183404-04 (Soil)

Date Sampled
08/23/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/23/2018	08/23/2018 21:49	EPA 8260B	



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SAP-46-12
R183404-04 (Soil)

Date Sampled
08/23/2018 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	81.4 %	60.3-124		08/23/2018	08/23/2018 21:49	EPA 8260B
Surrogate: Toluene-d8	77.8 %	63.1-121		08/23/2018	08/23/2018 21:49	EPA 8260B
Surrogate: 4-Bromofluorobenzene	80.3 %	33.2-155		08/23/2018	08/23/2018 21:49	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	79.3	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B
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SAP-46-16
R183404-05 (Soil)

Date Sampled
08/23/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/23/2018	08/23/2018 22:15	EPA 8260B	



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SAP-46-16
R183404-05 (Soil)

Date Sampled
 08/23/2018 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	83.4 %			60.3-124	08/23/2018	08/23/2018 22:15	EPA 8260B	
Surrogate: Toluene-d8	80.2 %			63.1-121	08/23/2018	08/23/2018 22:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	85.0 %			33.2-155	08/23/2018	08/23/2018 22:15	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	80.9	0.00	% by Weight		1	08/23/2018	08/24/2018 08:13	SM 2540B
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SAP-47-1
R183404-06 (Soil)

Date Sampled
08/23/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Trichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/23/2018	08/23/2018 22:42	EPA 8260B	



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SAP-47-1
R183404-06 (Soil)

Date Sampled
 08/23/2018 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	84.8 %			60.3-124		08/23/2018	08/23/2018 22:42	EPA 8260B
Surrogate: Toluene-d8	84.4 %			63.1-121		08/23/2018	08/23/2018 22:42	EPA 8260B
Surrogate: 4-Bromofluorobenzene	89.8 %			33.2-155		08/23/2018	08/23/2018 22:42	EPA 8260B

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	83.6	0.00	% by Weight		1	08/23/2018	08/24/2018 08:13	SM 2540B
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SAP-47-4
R183404-07 (Soil)

Date Sampled
08/23/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Methylene chloride	ND	94	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/23/2018	08/23/2018 23:08	EPA 8260B	



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SAP-47-4
R183404-07 (Soil)

Date Sampled
08/23/2018 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	82.1 %	60.3-124			08/23/2018	08/23/2018 23:08	EPA 8260B	
Surrogate: Toluene-d8	82.2 %	63.1-121			08/23/2018	08/23/2018 23:08	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.2 %	33.2-155			08/23/2018	08/23/2018 23:08	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	79.6	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-47-8
R183404-08 (Soil)

Date Sampled
08/23/2018 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Chloroform	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Chloromethane	ND	51	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
m,p-Xylene	ND	51	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Methylene chloride	ND	100	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Naphthalene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Trichloroethene	87	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	
Xylenes, total	ND	77	ug/kg dry	1	08/23/2018	08/23/2018 23:35	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-47-8
R183404-08 (Soil)

Date Sampled
 08/23/2018 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	84.9 %		60.3-124		08/23/2018	08/23/2018 23:35	EPA 8260B	
Surrogate: Toluene-d8	81.1 %		63.1-121		08/23/2018	08/23/2018 23:35	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	83.4 %		33.2-155		08/23/2018	08/23/2018 23:35	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	75.4	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-47-12
R183404-09 (Soil)

Date Sampled
08/23/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Chloromethane	ND	46	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
cis-1,2-Dichloroethene	100	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
m,p-Xylene	ND	46	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Methylene chloride	ND	92	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Tetrachloroethene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Trichloroethene	33000	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	E
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	
Xylenes, total	ND	69	ug/kg dry	1	08/23/2018	08/24/2018 00:01	EPA 8260B	



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SAP-47-12
R183404-09 (Soil)

Date Sampled
08/23/2018 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	83.5 %			60.3-124	08/23/2018	08/24/2018 00:01	EPA 8260B	
Surrogate: Toluene-d8	80.0 %			63.1-121	08/23/2018	08/24/2018 00:01	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.3 %			33.2-155	08/23/2018	08/24/2018 00:01	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	78.9	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-47-16
R183404-10 (Soil)

Date Sampled
08/23/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Methylene chloride	ND	95	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	
Xylenes, total	ND	71	ug/kg dry	1	08/23/2018	08/24/2018 00:28	EPA 8260B	



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Project: Tell City Investigation
 Project Number: [none]

SAP-47-16
R183404-10 (Soil)

Date Sampled
 08/23/2018 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	66.7 %		60.3-124		08/23/2018	08/24/2018 00:28	EPA 8260B	
Surrogate: Toluene-d8	64.9 %		63.1-121		08/23/2018	08/24/2018 00:28	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	68.8 %		33.2-155		08/23/2018	08/24/2018 00:28	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	79.6	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
 Project Number: [none]

SAP-48-1
R183404-11 (Soil)

Date Sampled
08/23/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,1,2-Trichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,1-Dichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,1-Dichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,2-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,2-Dichloroethane	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,3-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
1,4-Dichlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
2-Chlorotoluene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
4-Chlorotoluene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Benzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Carbon tetrachloride	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Chlorobenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Chloroform	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Chloromethane	ND	45	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
cis-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Ethylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Isopropylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
m,p-Xylene	ND	45	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Methylene chloride	ND	90	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Naphthalene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
n-Butyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
n-Propyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
o-Xylene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
p-Isopropyltoluene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
sec-Butyl Benzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Styrene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
tert-Butylbenzene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Tetrachloroethene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Toluene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Trichloroethene	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Vinyl chloride	ND	22	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	
Xylenes, total	ND	67	ug/kg dry	1	08/23/2018	08/24/2018 01:48	EPA 8260B	



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SAP-48-1
R183404-11 (Soil)

Date Sampled
 08/23/2018 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	82.4 %		60.3-124		08/23/2018	08/24/2018 01:48	EPA 8260B	
Surrogate: Toluene-d8	84.3 %		63.1-121		08/23/2018	08/24/2018 01:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	87.2 %		33.2-155		08/23/2018	08/24/2018 01:48	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	84.3	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-4
R183404-12 (Soil)

Date Sampled
08/23/2018 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Methylene chloride	ND	98	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	
Xylenes, total	ND	73	ug/kg dry	1	08/23/2018	08/24/2018 02:14	EPA 8260B	



2525 Advance Road
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 608.221.4889 Fax

ARCADIS 132 East Washington Street Indianapolis IN, 46204	Project: Tell City Investigation Project Number: [none]
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SAP-48-4
R183404-12 (Soil)

Date Sampled
08/23/2018 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	85.0 %		60.3-124		08/23/2018	08/24/2018 02:14	EPA 8260B	
Surrogate: Toluene-d8	86.0 %		63.1-121		08/23/2018	08/24/2018 02:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.0 %		33.2-155		08/23/2018	08/24/2018 02:14	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	80.0	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-8
R183404-13 (Soil)

Date Sampled
08/23/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,1,2-Trichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Benzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Chlorobenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Chloroform	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Chloromethane	ND	49	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Ethylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Isopropylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
m,p-Xylene	ND	49	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Methylene chloride	ND	99	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Naphthalene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
n-Propyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
o-Xylene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
p-Isopropyltoluene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Styrene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Tetrachloroethene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Toluene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Trichloroethene	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Vinyl chloride	ND	25	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	
Xylenes, total	ND	74	ug/kg dry	1	08/23/2018	08/24/2018 02:41	EPA 8260B	



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 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-8
R183404-13 (Soil)

Date Sampled
 08/23/2018 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	86.7 %		60.3-124		08/23/2018	08/24/2018 02:41	EPA 8260B	
Surrogate: Toluene-d8	86.6 %		63.1-121		08/23/2018	08/24/2018 02:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.3 %		33.2-155		08/23/2018	08/24/2018 02:41	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	79.7	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-12
R183404-14 (Soil)

Date Sampled
08/23/2018 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,1,2-Trichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,1-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,1-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,2,4-Trichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,2,4-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,2-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,2-Dichloroethane	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,3,5-Trimethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,3-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
1,4-Dichlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
2-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
4-Chlorotoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Carbon tetrachloride	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Chlorobenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Chloroform	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Chloromethane	ND	47	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
cis-1,2-Dichloroethene	46	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Ethylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Isopropylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
m,p-Xylene	ND	47	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Methylene chloride	ND	93	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Naphthalene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
n-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
n-Propyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
o-Xylene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
p-Isopropyltoluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
sec-Butyl Benzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Styrene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
tert-Butylbenzene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Tetrachloroethene	110	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Toluene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
trans-1,2-Dichloroethene	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Trichloroethene	8300	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Vinyl chloride	ND	23	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	
Xylenes, total	ND	70	ug/kg dry	1	08/23/2018	08/24/2018 03:07	EPA 8260B	



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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-12

Date Sampled

R183404-14 (Soil)

08/23/2018 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	81.2 %		60.3-124		08/23/2018	08/24/2018 03:07	EPA 8260B	
Surrogate: Toluene-d8	79.7 %		63.1-121		08/23/2018	08/24/2018 03:07	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	86.1 %		33.2-155		08/23/2018	08/24/2018 03:07	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	78.7	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

SAP-48-16
R183404-15 (Soil)

Date Sampled
08/23/2018 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

1,1,1-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Chloroform	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Methylene chloride	ND	96	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Naphthalene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	
Xylenes, total	ND	72	ug/kg dry	1	08/23/2018	08/24/2018 03:34	EPA 8260B	



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SAP-48-16
R183404-15 (Soil)

Date Sampled
 08/23/2018 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Lab #20

Volatile Organic Compounds by Method 8260 - Direct Inject

Preparation Batch: R808031

Surrogate: 1-Bromo-2-chloroethane	76.9 %		60.3-124		08/23/2018	08/24/2018 03:34	EPA 8260B	
Surrogate: Toluene-d8	76.4 %		63.1-121		08/23/2018	08/24/2018 03:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	76.5 %		33.2-155		08/23/2018	08/24/2018 03:34	EPA 8260B	

Classical Chemistry Parameters

Preparation Batch: R808032

% Solids	75.9	0.00	% by Weight	1	08/23/2018	08/24/2018 08:13	SM 2540B	
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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808006 - EPA 5030B

Blank (R808006-BLK1)

Prepared: 08/11/2018 Analyzed: 08/13/2018 11:09

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	452		ug/kg wet	500.0		90.5	60.3-124			
Surrogate: Toluene-d8	479		ug/kg wet	500.0		95.8	63.1-121			
Surrogate: 4-Bromofluorobenzene	484		ug/kg wet	500.0		96.7	33.2-155			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808006 - EPA 5030B

LCS (R808006-BS1)

Prepared: 08/11/2018 Analyzed: 08/13/2018 10:16

1,1,1-Trichloroethane	484	25	ug/kg wet	500.0		96.8	76.6-127			
1,1,2,2-Tetrachloroethane	474	25	ug/kg wet	500.0		94.7	76.1-126			
1,1,2-Trichloroethane	431	25	ug/kg wet	500.0		86.2	70.4-131			
1,1-Dichloroethane	523	25	ug/kg wet	500.0		105	77.6-132			
1,1-Dichloroethene	531	25	ug/kg wet	500.0		106	61.5-154			
1,2,3-Trichlorobenzene	473	25	ug/kg wet	500.0		94.5	64.4-142			
1,2,4-Trichlorobenzene	485	25	ug/kg wet	500.0		97.0	75.7-130			
1,2,4-Trimethylbenzene	549	25	ug/kg wet	500.0		110	80.5-121			
1,2-Dichlorobenzene	501	25	ug/kg wet	500.0		100	85.4-118			
1,2-Dichloroethane	448	25	ug/kg wet	500.0		89.6	77.4-121			
1,3,5-Trimethylbenzene	574	25	ug/kg wet	500.0		115	81.3-118			
1,3-Dichlorobenzene	515	25	ug/kg wet	500.0		103	87.4-113			
1,4-Dichlorobenzene	493	25	ug/kg wet	500.0		98.7	85.9-117			
2-Chlorotoluene	555	25	ug/kg wet	500.0		111	77.5-121			
4-Chlorotoluene	549	25	ug/kg wet	500.0		110	81.5-118			
Benzene	486	25	ug/kg wet	500.0		97.2	78.7-123			
Carbon tetrachloride	499	25	ug/kg wet	500.0		99.9	70.7-126			
Chlorobenzene	516	25	ug/kg wet	500.0		103	85.7-117			
Chloroform	464	25	ug/kg wet	500.0		92.8	76.5-122			
Chloromethane	548	50	ug/kg wet	500.0		110	23.2-199			
cis-1,2-Dichloroethene	481	25	ug/kg wet	500.0		96.2	83.2-121			
Ethylbenzene	525	25	ug/kg wet	500.0		105	77.6-125			
Isopropylbenzene	502	25	ug/kg wet	500.0		100	83.3-121			
m,p-Xylene	1070	50	ug/kg wet	1000		107	80.1-121			
Methylene chloride	508	100	ug/kg wet	500.0		102	70.6-128			
Naphthalene	485	25	ug/kg wet	500.0		97.1	49.1-150			
n-Butyl Benzene	529	25	ug/kg wet	500.0		106	82.8-120			
n-Propyl Benzene	575	25	ug/kg wet	500.0		115	76.3-124			
o-Xylene	502	25	ug/kg wet	500.0		100	80.6-122			
p-Isopropyltoluene	518	25	ug/kg wet	500.0		104	80.7-122			
sec-Butyl Benzene	553	25	ug/kg wet	500.0		111	82.6-119			
Styrene	473	25	ug/kg wet	500.0		94.5	82.1-122			
tert-Butylbenzene	576	25	ug/kg wet	500.0		115	78.8-126			
Tetrachloroethene	602	25	ug/kg wet	500.0		120	69.6-130			
Toluene	485	25	ug/kg wet	500.0		96.9	80.7-122			
trans-1,2-Dichloroethene	514	25	ug/kg wet	500.0		103	76-133			
Trichloroethene	518	25	ug/kg wet	500.0		104	78.7-123			
Vinyl chloride	563	25	ug/kg wet	500.0		113	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	442		ug/kg wet	500.0		88.4	60.3-124			
Surrogate: Toluene-d8	470		ug/kg wet	500.0		94.1	63.1-121			
Surrogate: 4-Bromofluorobenzene	444		ug/kg wet	500.0		88.8	33.2-155			

Matrix Spike (R808006-MS1)

Source: R183205-02

Prepared: 08/11/2018 Analyzed: 08/13/2018 12:28

1,1,1-Trichloroethane	464	23	ug/kg dry	552.7	ND	84.0	63.6-128			
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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808006 - EPA 5030B

Matrix Spike (R808006-MS1)

Source: R183205-02

Prepared: 08/11/2018 Analyzed: 08/13/2018 12:28

1,1,2,2-Tetrachloroethane	495	23	ug/kg dry	552.7	ND	89.6	60.5-123			
1,1,2-Trichloroethane	475	23	ug/kg dry	552.7	ND	86.0	60.1-127			
1,1-Dichloroethane	480	23	ug/kg dry	552.7	ND	86.8	66-132			
1,1-Dichloroethene	443	23	ug/kg dry	552.7	ND	80.1	50.9-149			
1,2,3-Trichlorobenzene	508	23	ug/kg dry	552.7	ND	91.8	54.7-127			
1,2,4-Trichlorobenzene	493	23	ug/kg dry	552.7	ND	89.2	63.7-119			
1,2,4-Trimethylbenzene	482	23	ug/kg dry	552.7	ND	87.2	61.7-130			
1,2-Dichlorobenzene	504	23	ug/kg dry	552.7	ND	91.1	70.6-118			
1,2-Dichloroethane	471	23	ug/kg dry	552.7	ND	85.3	62-121			
1,3,5-Trimethylbenzene	484	23	ug/kg dry	552.7	ND	87.6	65.5-128			
1,3-Dichlorobenzene	492	23	ug/kg dry	552.7	ND	88.9	69.5-119			
1,4-Dichlorobenzene	459	23	ug/kg dry	552.7	ND	83.1	71.8-119			
2-Chlorotoluene	480	23	ug/kg dry	552.7	ND	86.8	65.8-125			
4-Chlorotoluene	499	23	ug/kg dry	552.7	ND	90.3	66-126			
Benzene	472	23	ug/kg dry	552.7	ND	85.3	60.1-129			
Carbon tetrachloride	452	23	ug/kg dry	552.7	ND	81.7	57.4-127			
Chlorobenzene	493	23	ug/kg dry	552.7	ND	89.2	69.7-119			
Chloroform	462	23	ug/kg dry	552.7	ND	83.5	66-122			
Chloromethane	392	46	ug/kg dry	552.7	ND	70.9	11.7-191			
cis-1,2-Dichloroethene	458	23	ug/kg dry	552.7	ND	82.9	65.1-129			
Ethylbenzene	491	23	ug/kg dry	552.7	ND	88.9	66.6-125			
Isopropylbenzene	497	23	ug/kg dry	552.7	ND	89.9	71.3-121			
m,p-Xylene	993	46	ug/kg dry	1105	ND	89.9	67.4-122			
Methylene chloride	454	93	ug/kg dry	552.7	ND	82.2	58.4-127			
Naphthalene	511	23	ug/kg dry	552.7	ND	92.4	44.3-135			
n-Butyl Benzene	491	23	ug/kg dry	552.7	ND	88.8	68.7-125			
n-Propyl Benzene	487	23	ug/kg dry	552.7	ND	88.1	66.4-129			
o-Xylene	495	23	ug/kg dry	552.7	ND	89.5	66-124			
p-Isopropyltoluene	487	23	ug/kg dry	552.7	ND	88.1	66.3-127			
sec-Butyl Benzene	483	23	ug/kg dry	552.7	ND	87.4	67.2-128			
Styrene	480	23	ug/kg dry	552.7	ND	86.8	68.2-122			
tert-Butylbenzene	495	23	ug/kg dry	552.7	ND	89.5	64.9-133			
Tetrachloroethene	501	23	ug/kg dry	552.7	ND	90.6	55.6-135			
Toluene	484	23	ug/kg dry	552.7	ND	87.6	66.4-125			
trans-1,2-Dichloroethene	462	23	ug/kg dry	552.7	ND	83.5	66.6-134			
Trichloroethene	476	23	ug/kg dry	552.7	ND	86.1	66.3-125			
Vinyl chloride	362	23	ug/kg dry	552.7	ND	65.4	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	477		<i>ug/kg dry</i>	552.7		86.2	60.3-124			
<i>Surrogate: Toluene-d8</i>	474		<i>ug/kg dry</i>	552.7		85.7	63.1-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	487		<i>ug/kg dry</i>	552.7		88.1	33.2-155			

Matrix Spike Dup (R808006-MSD1)

Source: R183205-02

Prepared: 08/11/2018 Analyzed: 08/13/2018 12:54

1,1,1-Trichloroethane	503	24	ug/kg dry	575.7	ND	87.4	63.6-128	8.00	20	
1,1,2,2-Tetrachloroethane	539	24	ug/kg dry	575.7	ND	93.5	60.5-123	8.32	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808006 - EPA 5030B

Matrix Spike Dup (R808006-MSD1)	Source: R183205-02	Prepared: 08/11/2018	Analyzed: 08/13/2018 12:54					
1,1,2-Trichloroethane	508	24 ug/kg dry	575.7	ND	88.2	60.1-127	6.62	20
1,1-Dichloroethane	524	24 ug/kg dry	575.7	ND	91.0	66-132	8.76	20
1,1-Dichloroethene	492	24 ug/kg dry	575.7	ND	85.5	50.9-149	10.6	20
1,2,3-Trichlorobenzene	547	24 ug/kg dry	575.7	ND	95.1	54.7-127	7.54	20
1,2,4-Trichlorobenzene	532	24 ug/kg dry	575.7	ND	92.5	63.7-119	7.71	20
1,2,4-Trimethylbenzene	520	24 ug/kg dry	575.7	ND	90.3	61.7-130	7.51	20
1,2-Dichlorobenzene	527	24 ug/kg dry	575.7	ND	91.5	70.6-118	4.46	20
1,2-Dichloroethane	515	24 ug/kg dry	575.7	ND	89.5	62-121	8.90	20
1,3,5-Trimethylbenzene	513	24 ug/kg dry	575.7	ND	89.0	65.5-128	5.73	20
1,3-Dichlorobenzene	521	24 ug/kg dry	575.7	ND	90.6	69.5-119	5.89	20
1,4-Dichlorobenzene	498	24 ug/kg dry	575.7	ND	86.5	71.8-119	8.08	20
2-Chlorotoluene	532	24 ug/kg dry	575.7	ND	92.5	65.8-125	10.4	20
4-Chlorotoluene	504	24 ug/kg dry	575.7	ND	87.5	66-126	0.878	20
Benzene	511	24 ug/kg dry	575.7	ND	88.8	60.1-129	8.05	20
Carbon tetrachloride	492	24 ug/kg dry	575.7	ND	85.4	57.4-127	8.47	20
Chlorobenzene	533	24 ug/kg dry	575.7	ND	92.5	69.7-119	7.72	20
Chloroform	494	24 ug/kg dry	575.7	ND	85.9	66-122	6.88	20
Chloromethane	460	48 ug/kg dry	575.7	ND	80.0	11.7-191	16.1	20
cis-1,2-Dichloroethene	509	24 ug/kg dry	575.7	ND	88.4	65.1-129	10.5	20
Ethylbenzene	522	24 ug/kg dry	575.7	ND	90.7	66.6-125	6.06	20
Isopropylbenzene	533	24 ug/kg dry	575.7	ND	92.6	71.3-121	7.03	20
m,p-Xylene	1050	48 ug/kg dry	1151	ND	91.6	67.4-122	5.96	20
Methylene chloride	494	97 ug/kg dry	575.7	ND	85.9	58.4-127	8.46	20
Naphthalene	559	24 ug/kg dry	575.7	ND	97.1	44.3-135	9.01	20
n-Butyl Benzene	525	24 ug/kg dry	575.7	ND	91.2	68.7-125	6.68	20
n-Propyl Benzene	519	24 ug/kg dry	575.7	ND	90.1	66.4-129	6.29	20
o-Xylene	526	24 ug/kg dry	575.7	ND	91.4	66-124	6.25	20
p-Isopropyltoluene	524	24 ug/kg dry	575.7	ND	91.0	66.3-127	7.37	20
sec-Butyl Benzene	523	24 ug/kg dry	575.7	ND	90.8	67.2-128	7.94	20
Styrene	521	24 ug/kg dry	575.7	ND	90.5	68.2-122	8.19	20
tert-Butylbenzene	526	24 ug/kg dry	575.7	ND	91.4	64.9-133	6.10	20
Tetrachloroethene	503	24 ug/kg dry	575.7	ND	87.5	55.6-135	0.530	20
Toluene	503	24 ug/kg dry	575.7	ND	87.4	66.4-125	3.84	20
trans-1,2-Dichloroethene	492	24 ug/kg dry	575.7	ND	85.5	66.6-134	6.47	20
Trichloroethene	509	24 ug/kg dry	575.7	ND	88.4	66.3-125	6.70	20
Vinyl chloride	407	24 ug/kg dry	575.7	ND	70.8	11.4-190	11.9	20
Surrogate: 1-Bromo-2-chloroethane	506	ug/kg dry	575.7		87.8	60.3-124		
Surrogate: Toluene-d8	492	ug/kg dry	575.7		85.4	63.1-121		
Surrogate: 4-Bromofluorobenzene	517	ug/kg dry	575.7		89.7	33.2-155		



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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808007 - EPA 5030B

Blank (R808007-BLK1)

Prepared: 08/11/2018 Analyzed: 08/14/2018 00:19

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	467		ug/kg wet	500.0		93.4	60.3-124			
Surrogate: Toluene-d8	489		ug/kg wet	500.0		97.7	63.1-121			
Surrogate: 4-Bromofluorobenzene	502		ug/kg wet	500.0		100	33.2-155			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808007 - EPA 5030B

LCS (R808007-BS1)

Prepared: 08/11/2018 Analyzed: 08/13/2018 23:27

1,1,1-Trichloroethane	501	25	ug/kg wet	500.0		100	76.6-127			
1,1,2,2-Tetrachloroethane	507	25	ug/kg wet	500.0		101	76.1-126			
1,1,2-Trichloroethane	483	25	ug/kg wet	500.0		96.5	70.4-131			
1,1-Dichloroethane	509	25	ug/kg wet	500.0		102	77.6-132			
1,1-Dichloroethene	535	25	ug/kg wet	500.0		107	61.5-154			
1,2,3-Trichlorobenzene	509	25	ug/kg wet	500.0		102	64.4-142			
1,2,4-Trichlorobenzene	503	25	ug/kg wet	500.0		101	75.7-130			
1,2,4-Trimethylbenzene	511	25	ug/kg wet	500.0		102	80.5-121			
1,2-Dichlorobenzene	503	25	ug/kg wet	500.0		101	85.4-118			
1,2-Dichloroethane	493	25	ug/kg wet	500.0		98.5	77.4-121			
1,3,5-Trimethylbenzene	517	25	ug/kg wet	500.0		103	81.3-118			
1,3-Dichlorobenzene	482	25	ug/kg wet	500.0		96.4	87.4-113			
1,4-Dichlorobenzene	502	25	ug/kg wet	500.0		100	85.9-117			
2-Chlorotoluene	519	25	ug/kg wet	500.0		104	77.5-121			
4-Chlorotoluene	520	25	ug/kg wet	500.0		104	81.5-118			
Benzene	503	25	ug/kg wet	500.0		101	78.7-123			
Carbon tetrachloride	499	25	ug/kg wet	500.0		99.9	70.7-126			
Chlorobenzene	519	25	ug/kg wet	500.0		104	85.7-117			
Chloroform	488	25	ug/kg wet	500.0		97.7	76.5-122			
Chloromethane	647	50	ug/kg wet	500.0		129	23.2-199			
cis-1,2-Dichloroethene	491	25	ug/kg wet	500.0		98.2	83.2-121			
Ethylbenzene	505	25	ug/kg wet	500.0		101	77.6-125			
Isopropylbenzene	517	25	ug/kg wet	500.0		103	83.3-121			
m,p-Xylene	1050	50	ug/kg wet	1000		105	80.1-121			
Methylene chloride	492	100	ug/kg wet	500.0		98.4	70.6-128			
Naphthalene	521	25	ug/kg wet	500.0		104	49.1-150			
n-Butyl Benzene	511	25	ug/kg wet	500.0		102	82.8-120			
n-Propyl Benzene	515	25	ug/kg wet	500.0		103	76.3-124			
o-Xylene	516	25	ug/kg wet	500.0		103	80.6-122			
p-Isopropyltoluene	482	25	ug/kg wet	500.0		96.4	80.7-122			
sec-Butyl Benzene	510	25	ug/kg wet	500.0		102	82.6-119			
Styrene	500	25	ug/kg wet	500.0		100	82.1-122			
tert-Butylbenzene	547	25	ug/kg wet	500.0		109	78.8-126			
Tetrachloroethene	534	25	ug/kg wet	500.0		107	69.6-130			
Toluene	496	25	ug/kg wet	500.0		99.3	80.7-122			
trans-1,2-Dichloroethene	497	25	ug/kg wet	500.0		99.4	76-133			
Trichloroethene	497	25	ug/kg wet	500.0		99.4	78.7-123			
Vinyl chloride	596	25	ug/kg wet	500.0		119	31.2-195			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>483</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>96.6</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>487</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>97.4</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>514</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>103</i>	<i>33.2-155</i>			

LCS (R808007-BS2)

Prepared: 08/11/2018 Analyzed: 08/13/2018 23:53

1,1,1-Trichloroethane	501	25	ug/kg wet	500.0		100	76.6-127			
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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808007 - EPA 5030B

LCS (R808007-BS2)

Prepared: 08/11/2018 Analyzed: 08/13/2018 23:53

1,1,2,2-Tetrachloroethane	466	25	ug/kg wet	500.0		93.2	76.1-126			
1,1,2-Trichloroethane	420	25	ug/kg wet	500.0		84.0	70.4-131			
1,1-Dichloroethane	511	25	ug/kg wet	500.0		102	77.6-132			
1,1-Dichloroethene	560	25	ug/kg wet	500.0		112	61.5-154			
1,2,3-Trichlorobenzene	411	25	ug/kg wet	500.0		82.1	64.4-142			
1,2,4-Trichlorobenzene	444	25	ug/kg wet	500.0		88.7	75.7-130			
1,2,4-Trimethylbenzene	557	25	ug/kg wet	500.0		111	80.5-121			
1,2-Dichlorobenzene	492	25	ug/kg wet	500.0		98.5	85.4-118			
1,2-Dichloroethane	465	25	ug/kg wet	500.0		93.0	77.4-121			
1,3,5-Trimethylbenzene	574	25	ug/kg wet	500.0		115	81.3-118			
1,3-Dichlorobenzene	491	25	ug/kg wet	500.0		98.1	87.4-113			
1,4-Dichlorobenzene	507	25	ug/kg wet	500.0		101	85.9-117			
2-Chlorotoluene	566	25	ug/kg wet	500.0		113	77.5-121			
4-Chlorotoluene	554	25	ug/kg wet	500.0		111	81.5-118			
Benzene	495	25	ug/kg wet	500.0		99.0	78.7-123			
Carbon tetrachloride	506	25	ug/kg wet	500.0		101	70.7-126			
Chlorobenzene	520	25	ug/kg wet	500.0		104	85.7-117			
Chloroform	481	25	ug/kg wet	500.0		96.2	76.5-122			
Chloromethane	654	50	ug/kg wet	500.0		131	23.2-199			
cis-1,2-Dichloroethene	456	25	ug/kg wet	500.0		91.2	83.2-121			
Ethylbenzene	533	25	ug/kg wet	500.0		107	77.6-125			
Isopropylbenzene	516	25	ug/kg wet	500.0		103	83.3-121			
m,p-Xylene	1080	50	ug/kg wet	1000		108	80.1-121			
Methylene chloride	496	100	ug/kg wet	500.0		99.1	70.6-128			
Naphthalene	418	25	ug/kg wet	500.0		83.6	49.1-150			
n-Butyl Benzene	541	25	ug/kg wet	500.0		108	82.8-120			
n-Propyl Benzene	578	25	ug/kg wet	500.0		116	76.3-124			
o-Xylene	514	25	ug/kg wet	500.0		103	80.6-122			
p-Isopropyltoluene	528	25	ug/kg wet	500.0		106	80.7-122			
sec-Butyl Benzene	558	25	ug/kg wet	500.0		112	82.6-119			
Styrene	487	25	ug/kg wet	500.0		97.4	82.1-122			
tert-Butylbenzene	572	25	ug/kg wet	500.0		114	78.8-126			
Tetrachloroethene	593	25	ug/kg wet	500.0		119	69.6-130			
Toluene	484	25	ug/kg wet	500.0		96.7	80.7-122			
trans-1,2-Dichloroethene	517	25	ug/kg wet	500.0		103	76-133			
Trichloroethene	513	25	ug/kg wet	500.0		103	78.7-123			
Vinyl chloride	645	25	ug/kg wet	500.0		129	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	464		ug/kg wet	500.0		92.7	60.3-124			
Surrogate: Toluene-d8	473		ug/kg wet	500.0		94.7	63.1-121			
Surrogate: 4-Bromofluorobenzene	457		ug/kg wet	500.0		91.4	33.2-155			



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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808010 - EPA 5030B

Blank (R808010-BLK1)

Prepared: 08/13/2018 Analyzed: 08/14/2018 14:23

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	429		ug/kg wet	500.0		85.7	60.3-124			
Surrogate: Toluene-d8	450		ug/kg wet	500.0		90.0	63.1-121			
Surrogate: 4-Bromofluorobenzene	469		ug/kg wet	500.0		93.7	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808010 - EPA 5030B

LCS (R808010-BS1)

Prepared: 08/13/2018 Analyzed: 08/14/2018 13:04

1,1,1-Trichloroethane	519	25	ug/kg wet	500.0		104	76.6-127			
1,1,2,2-Tetrachloroethane	495	25	ug/kg wet	500.0		99.0	76.1-126			
1,1,2-Trichloroethane	487	25	ug/kg wet	500.0		97.4	70.4-131			
1,1-Dichloroethane	533	25	ug/kg wet	500.0		107	77.6-132			
1,1-Dichloroethene	530	25	ug/kg wet	500.0		106	61.5-154			
1,2,3-Trichlorobenzene	526	25	ug/kg wet	500.0		105	64.4-142			
1,2,4-Trichlorobenzene	510	25	ug/kg wet	500.0		102	75.7-130			
1,2,4-Trimethylbenzene	514	25	ug/kg wet	500.0		103	80.5-121			
1,2-Dichlorobenzene	507	25	ug/kg wet	500.0		101	85.4-118			
1,2-Dichloroethane	513	25	ug/kg wet	500.0		103	77.4-121			
1,3,5-Trimethylbenzene	515	25	ug/kg wet	500.0		103	81.3-118			
1,3-Dichlorobenzene	490	25	ug/kg wet	500.0		98.0	87.4-113			
1,4-Dichlorobenzene	487	25	ug/kg wet	500.0		97.4	85.9-117			
2-Chlorotoluene	526	25	ug/kg wet	500.0		105	77.5-121			
4-Chlorotoluene	500	25	ug/kg wet	500.0		100	81.5-118			
Benzene	508	25	ug/kg wet	500.0		102	78.7-123			
Carbon tetrachloride	501	25	ug/kg wet	500.0		100	70.7-126			
Chlorobenzene	511	25	ug/kg wet	500.0		102	85.7-117			
Chloroform	499	25	ug/kg wet	500.0		99.8	76.5-122			
Chloromethane	492	50	ug/kg wet	500.0		98.4	23.2-199			
cis-1,2-Dichloroethene	493	25	ug/kg wet	500.0		98.6	83.2-121			
Ethylbenzene	522	25	ug/kg wet	500.0		104	77.6-125			
Isopropylbenzene	507	25	ug/kg wet	500.0		101	83.3-121			
m,p-Xylene	1050	50	ug/kg wet	1000		105	80.1-121			
Methylene chloride	494	100	ug/kg wet	500.0		98.8	70.6-128			
Naphthalene	529	25	ug/kg wet	500.0		106	49.1-150			
n-Butyl Benzene	514	25	ug/kg wet	500.0		103	82.8-120			
n-Propyl Benzene	510	25	ug/kg wet	500.0		102	76.3-124			
o-Xylene	503	25	ug/kg wet	500.0		101	80.6-122			
p-Isopropyltoluene	522	25	ug/kg wet	500.0		104	80.7-122			
sec-Butyl Benzene	507	25	ug/kg wet	500.0		101	82.6-119			
Styrene	491	25	ug/kg wet	500.0		98.1	82.1-122			
tert-Butylbenzene	527	25	ug/kg wet	500.0		105	78.8-126			
Tetrachloroethene	543	25	ug/kg wet	500.0		109	69.6-130			
Toluene	507	25	ug/kg wet	500.0		101	80.7-122			
trans-1,2-Dichloroethene	514	25	ug/kg wet	500.0		103	76-133			
Trichloroethene	502	25	ug/kg wet	500.0		100	78.7-123			
Vinyl chloride	548	25	ug/kg wet	500.0		110	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	467		ug/kg wet	500.0		93.3	60.3-124			
Surrogate: Toluene-d8	463		ug/kg wet	500.0		92.5	63.1-121			
Surrogate: 4-Bromofluorobenzene	479		ug/kg wet	500.0		95.9	33.2-155			

Matrix Spike (R808010-MS1)

Source: R183301-01

Prepared: 08/13/2018 Analyzed: 08/14/2018 21:22

1,1,1-Trichloroethane	485	24	ug/kg dry	542.9	ND	89.4	63.6-128			
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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808010 - EPA 5030B

Matrix Spike (R808010-MS1)	Source: R183301-01			Prepared: 08/13/2018 Analyzed: 08/14/2018 21:22						
1,1,2,2-Tetrachloroethane	421	24	ug/kg dry	542.9	ND	77.6	60.5-123			
1,1,2-Trichloroethane	489	24	ug/kg dry	542.9	ND	90.0	60.1-127			
1,1-Dichloroethane	504	24	ug/kg dry	542.9	ND	92.9	66-132			
1,1-Dichloroethene	496	24	ug/kg dry	542.9	ND	91.4	50.9-149			
1,2,3-Trichlorobenzene	501	24	ug/kg dry	542.9	ND	92.3	54.7-127			
1,2,4-Trichlorobenzene	506	24	ug/kg dry	542.9	ND	93.2	63.7-119			
1,2,4-Trimethylbenzene	515	24	ug/kg dry	542.9	11.1	92.8	61.7-130			
1,2-Dichlorobenzene	500	24	ug/kg dry	542.9	ND	92.1	70.6-118			
1,2-Dichloroethane	489	24	ug/kg dry	542.9	ND	90.0	62-121			
1,3,5-Trimethylbenzene	515	24	ug/kg dry	542.9	ND	94.8	65.5-128			
1,3-Dichlorobenzene	494	24	ug/kg dry	542.9	ND	91.0	69.5-119			
1,4-Dichlorobenzene	478	24	ug/kg dry	542.9	ND	88.0	71.8-119			
2-Chlorotoluene	511	24	ug/kg dry	542.9	ND	94.1	65.8-125			
4-Chlorotoluene	485	24	ug/kg dry	542.9	ND	89.3	66-126			
Benzene	490	24	ug/kg dry	542.9	ND	90.2	60.1-129			
Carbon tetrachloride	477	24	ug/kg dry	542.9	ND	87.8	57.4-127			
Chlorobenzene	507	24	ug/kg dry	542.9	ND	93.3	69.7-119			
Chloroform	481	24	ug/kg dry	542.9	ND	88.6	66-122			
Chloromethane	421	48	ug/kg dry	542.9	ND	77.5	11.7-191			
cis-1,2-Dichloroethene	501	24	ug/kg dry	542.9	18.6	88.8	65.1-129			
Ethylbenzene	516	24	ug/kg dry	542.9	11.5	92.9	66.6-125			
Isopropylbenzene	524	24	ug/kg dry	542.9	ND	96.4	71.3-121			
m,p-Xylene	1050	48	ug/kg dry	1086	14.0	95.8	67.4-122			
Methylene chloride	469	95	ug/kg dry	542.9	ND	86.4	58.4-127			
Naphthalene	521	24	ug/kg dry	542.9	ND	95.9	44.3-135			
n-Butyl Benzene	510	24	ug/kg dry	542.9	ND	93.9	68.7-125			
n-Propyl Benzene	506	24	ug/kg dry	542.9	ND	93.3	66.4-129			
o-Xylene	520	24	ug/kg dry	542.9	6.65	94.5	66-124			
p-Isopropyltoluene	518	24	ug/kg dry	542.9	ND	95.5	66.3-127			
sec-Butyl Benzene	495	24	ug/kg dry	542.9	ND	91.1	67.2-128			
Styrene	510	24	ug/kg dry	542.9	ND	94.0	68.2-122			
tert-Butylbenzene	503	24	ug/kg dry	542.9	ND	92.7	64.9-133			
Tetrachloroethene	531	24	ug/kg dry	542.9	ND	97.9	55.6-135			
Toluene	506	24	ug/kg dry	542.9	ND	93.2	66.4-125			
trans-1,2-Dichloroethene	486	24	ug/kg dry	542.9	ND	89.6	66.6-134			
Trichloroethene	659	24	ug/kg dry	542.9	43.2	113	66.3-125			
Vinyl chloride	468	24	ug/kg dry	542.9	ND	86.1	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	472		<i>ug/kg dry</i>	542.9		86.9	60.3-124			
<i>Surrogate: Toluene-d8</i>	475		<i>ug/kg dry</i>	542.9		87.6	63.1-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	535		<i>ug/kg dry</i>	542.9		98.5	33.2-155			

Matrix Spike Dup (R808010-MSD1)	Source: R183301-01			Prepared: 08/13/2018 Analyzed: 08/14/2018 21:49						
1,1,1-Trichloroethane	482	23	ug/kg dry	534.7	ND	90.1	63.6-128	0.655	20	
1,1,2,2-Tetrachloroethane	466	23	ug/kg dry	534.7	ND	87.2	60.5-123	10.2	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808010 - EPA 5030B

Matrix Spike Dup (R808010-MSD1)	Source: R183301-01	Prepared: 08/13/2018	Analyzed: 08/14/2018 21:49
1,1,2-Trichloroethane	462	23 ug/kg dry	534.7 ND 86.4 60.1-127 5.67 20
1,1-Dichloroethane	496	23 ug/kg dry	534.7 ND 92.8 66-132 1.57 20
1,1-Dichloroethene	511	23 ug/kg dry	534.7 ND 95.6 50.9-149 3.00 20
1,2,3-Trichlorobenzene	485	23 ug/kg dry	534.7 ND 90.6 54.7-127 3.34 20
1,2,4-Trichlorobenzene	496	23 ug/kg dry	534.7 ND 92.7 63.7-119 2.06 20
1,2,4-Trimethylbenzene	515	23 ug/kg dry	534.7 11.1 94.3 61.7-130 0.0786 20
1,2-Dichlorobenzene	488	23 ug/kg dry	534.7 ND 91.3 70.6-118 2.37 20
1,2-Dichloroethane	473	23 ug/kg dry	534.7 ND 88.4 62-121 3.26 20
1,3,5-Trimethylbenzene	520	23 ug/kg dry	534.7 ND 97.2 65.5-128 0.992 20
1,3-Dichlorobenzene	479	23 ug/kg dry	534.7 ND 89.5 69.5-119 3.13 20
1,4-Dichlorobenzene	468	23 ug/kg dry	534.7 ND 87.5 71.8-119 2.09 20
2-Chlorotoluene	517	23 ug/kg dry	534.7 ND 96.7 65.8-125 1.29 20
4-Chlorotoluene	485	23 ug/kg dry	534.7 ND 90.7 66-126 0.116 20
Benzene	475	23 ug/kg dry	534.7 ND 88.9 60.1-129 3.01 20
Carbon tetrachloride	470	23 ug/kg dry	534.7 ND 88.0 57.4-127 1.37 20
Chlorobenzene	502	23 ug/kg dry	534.7 ND 93.9 69.7-119 0.864 20
Chloroform	468	23 ug/kg dry	534.7 ND 87.6 66-122 2.70 20
Chloromethane	411	47 ug/kg dry	534.7 ND 76.8 11.7-191 2.45 20
cis-1,2-Dichloroethene	472	23 ug/kg dry	534.7 18.6 84.8 65.1-129 5.93 20
Ethylbenzene	525	23 ug/kg dry	534.7 11.5 96.1 66.6-125 1.78 20
Isopropylbenzene	521	23 ug/kg dry	534.7 ND 97.4 71.3-121 0.526 20
m,p-Xylene	1050	47 ug/kg dry	1069 14.0 97.2 67.4-122 0.0342 20
Methylene chloride	461	94 ug/kg dry	534.7 ND 86.2 58.4-127 1.75 20
Naphthalene	504	23 ug/kg dry	534.7 ND 94.2 44.3-135 3.35 20
n-Butyl Benzene	503	23 ug/kg dry	534.7 ND 94.1 68.7-125 1.32 20
n-Propyl Benzene	507	23 ug/kg dry	534.7 ND 94.8 66.4-129 0.0846 20
o-Xylene	519	23 ug/kg dry	534.7 6.65 95.9 66-124 0.103 20
p-Isopropyltoluene	516	23 ug/kg dry	534.7 ND 96.5 66.3-127 0.438 20
sec-Butyl Benzene	498	23 ug/kg dry	534.7 ND 93.0 67.2-128 0.552 20
Styrene	494	23 ug/kg dry	534.7 ND 92.4 68.2-122 3.14 20
tert-Butylbenzene	510	23 ug/kg dry	534.7 ND 95.4 64.9-133 1.33 20
Tetrachloroethene	532	23 ug/kg dry	534.7 ND 99.6 55.6-135 0.219 20
Toluene	496	23 ug/kg dry	534.7 ND 92.7 66.4-125 2.01 20
trans-1,2-Dichloroethene	475	23 ug/kg dry	534.7 ND 88.8 66.6-134 2.36 20
Trichloroethene	551	23 ug/kg dry	534.7 43.2 95.0 66.3-125 17.8 20
Vinyl chloride	405	23 ug/kg dry	534.7 ND 75.8 11.4-190 14.3 20
Surrogate: 1-Bromo-2-chloroethane	458	ug/kg dry	534.7 85.6 60.3-124
Surrogate: Toluene-d8	458	ug/kg dry	534.7 85.7 63.1-121
Surrogate: 4-Bromofluorobenzene	527	ug/kg dry	534.7 98.6 33.2-155



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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808011 - EPA 5030B

Blank (R808011-BLK1)

Prepared: 08/13/2018 Analyzed: 08/15/2018 01:18

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	468		ug/kg wet	500.0		93.7	60.3-124			
Surrogate: Toluene-d8	463		ug/kg wet	500.0		92.6	63.1-121			
Surrogate: 4-Bromofluorobenzene	515		ug/kg wet	500.0		103	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808011 - EPA 5030B

LCS (R808011-BS1)

Prepared: 08/13/2018 Analyzed: 08/15/2018 00:00

1,1,1-Trichloroethane	555	25	ug/kg wet	500.0		111	76.6-127			
1,1,2,2-Tetrachloroethane	533	25	ug/kg wet	500.0		107	76.1-126			
1,1,2-Trichloroethane	510	25	ug/kg wet	500.0		102	70.4-131			
1,1-Dichloroethane	573	25	ug/kg wet	500.0		115	77.6-132			
1,1-Dichloroethene	602	25	ug/kg wet	500.0		120	61.5-154			
1,2,3-Trichlorobenzene	521	25	ug/kg wet	500.0		104	64.4-142			
1,2,4-Trichlorobenzene	519	25	ug/kg wet	500.0		104	75.7-130			
1,2,4-Trimethylbenzene	555	25	ug/kg wet	500.0		111	80.5-121			
1,2-Dichlorobenzene	518	25	ug/kg wet	500.0		104	85.4-118			
1,2-Dichloroethane	549	25	ug/kg wet	500.0		110	77.4-121			
1,3,5-Trimethylbenzene	562	25	ug/kg wet	500.0		112	81.3-118			
1,3-Dichlorobenzene	513	25	ug/kg wet	500.0		103	87.4-113			
1,4-Dichlorobenzene	507	25	ug/kg wet	500.0		101	85.9-117			
2-Chlorotoluene	555	25	ug/kg wet	500.0		111	77.5-121			
4-Chlorotoluene	532	25	ug/kg wet	500.0		106	81.5-118			
Benzene	550	25	ug/kg wet	500.0		110	78.7-123			
Carbon tetrachloride	545	25	ug/kg wet	500.0		109	70.7-126			
Chlorobenzene	546	25	ug/kg wet	500.0		109	85.7-117			
Chloroform	537	25	ug/kg wet	500.0		107	76.5-122			
Chloromethane	668	50	ug/kg wet	500.0		134	23.2-199			
cis-1,2-Dichloroethene	533	25	ug/kg wet	500.0		107	83.2-121			
Ethylbenzene	558	25	ug/kg wet	500.0		112	77.6-125			
Isopropylbenzene	552	25	ug/kg wet	500.0		110	83.3-121			
m,p-Xylene	1130	50	ug/kg wet	1000		113	80.1-121			
Methylene chloride	536	100	ug/kg wet	500.0		107	70.6-128			
Naphthalene	525	25	ug/kg wet	500.0		105	49.1-150			
n-Butyl Benzene	543	25	ug/kg wet	500.0		109	82.8-120			
n-Propyl Benzene	552	25	ug/kg wet	500.0		110	76.3-124			
o-Xylene	557	25	ug/kg wet	500.0		111	80.6-122			
p-Isopropyltoluene	562	25	ug/kg wet	500.0		112	80.7-122			
sec-Butyl Benzene	539	25	ug/kg wet	500.0		108	82.6-119			
Styrene	529	25	ug/kg wet	500.0		106	82.1-122			
tert-Butylbenzene	547	25	ug/kg wet	500.0		109	78.8-126			
Tetrachloroethene	573	25	ug/kg wet	500.0		115	69.6-130			
Toluene	552	25	ug/kg wet	500.0		110	80.7-122			
trans-1,2-Dichloroethene	561	25	ug/kg wet	500.0		112	76-133			
Trichloroethene	551	25	ug/kg wet	500.0		110	78.7-123			
Vinyl chloride	634	25	ug/kg wet	500.0		127	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	503		ug/kg wet	500.0		101	60.3-124			
Surrogate: Toluene-d8	504		ug/kg wet	500.0		101	63.1-121			
Surrogate: 4-Bromofluorobenzene	546		ug/kg wet	500.0		109	33.2-155			

Matrix Spike (R808011-MS1)

Source: R183301-07

Prepared: 08/13/2018 Analyzed: 08/15/2018 02:37

1,1,1-Trichloroethane	543	25	ug/kg dry	603.4	ND	90.1	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808011 - EPA 5030B

Matrix Spike (R808011-MS1)	Source: R183301-07			Prepared: 08/13/2018 Analyzed: 08/15/2018 02:37						
1,1,2,2-Tetrachloroethane	331	25	ug/kg dry	603.4	ND	54.8	60.5-123			M
1,1,2-Trichloroethane	522	25	ug/kg dry	603.4	ND	86.5	60.1-127			
1,1-Dichloroethane	558	25	ug/kg dry	603.4	ND	92.4	66-132			
1,1-Dichloroethene	550	25	ug/kg dry	603.4	ND	91.2	50.9-149			
1,2,3-Trichlorobenzene	565	25	ug/kg dry	603.4	ND	93.6	54.7-127			
1,2,4-Trichlorobenzene	546	25	ug/kg dry	603.4	ND	90.6	63.7-119			
1,2,4-Trimethylbenzene	555	25	ug/kg dry	603.4	13.9	89.7	61.7-130			
1,2-Dichlorobenzene	539	25	ug/kg dry	603.4	ND	89.3	70.6-118			
1,2-Dichloroethane	560	25	ug/kg dry	603.4	ND	92.8	62-121			
1,3,5-Trimethylbenzene	556	25	ug/kg dry	603.4	15.6	89.5	65.5-128			
1,3-Dichlorobenzene	525	25	ug/kg dry	603.4	ND	87.1	69.5-119			
1,4-Dichlorobenzene	532	25	ug/kg dry	603.4	ND	88.1	71.8-119			
2-Chlorotoluene	547	25	ug/kg dry	603.4	ND	90.6	65.8-125			
4-Chlorotoluene	539	25	ug/kg dry	603.4	ND	89.4	66-126			
Benzene	541	25	ug/kg dry	603.4	ND	89.6	60.1-129			
Carbon tetrachloride	534	25	ug/kg dry	603.4	ND	88.5	57.4-127			
Chlorobenzene	554	25	ug/kg dry	603.4	ND	91.8	69.7-119			
Chloroform	517	25	ug/kg dry	603.4	ND	85.7	66-122			
Chloromethane	558	49	ug/kg dry	603.4	ND	92.5	11.7-191			
cis-1,2-Dichloroethene	555	25	ug/kg dry	603.4	25.8	87.7	65.1-129			
Ethylbenzene	568	25	ug/kg dry	603.4	ND	94.1	66.6-125			
Isopropylbenzene	568	25	ug/kg dry	603.4	ND	94.2	71.3-121			
m,p-Xylene	1130	49	ug/kg dry	1207	ND	93.2	67.4-122			
Methylene chloride	526	99	ug/kg dry	603.4	ND	87.1	58.4-127			
Naphthalene	586	25	ug/kg dry	603.4	ND	97.2	44.3-135			
n-Butyl Benzene	567	25	ug/kg dry	603.4	ND	93.9	68.7-125			
n-Propyl Benzene	543	25	ug/kg dry	603.4	ND	89.9	66.4-129			
o-Xylene	560	25	ug/kg dry	603.4	ND	92.8	66-124			
p-Isopropyltoluene	570	25	ug/kg dry	603.4	ND	94.5	66.3-127			
sec-Butyl Benzene	534	25	ug/kg dry	603.4	ND	88.5	67.2-128			
Styrene	542	25	ug/kg dry	603.4	ND	89.9	68.2-122			
tert-Butylbenzene	551	25	ug/kg dry	603.4	ND	91.3	64.9-133			
Tetrachloroethene	579	25	ug/kg dry	603.4	ND	95.9	55.6-135			
Toluene	551	25	ug/kg dry	603.4	13.2	89.2	66.4-125			
trans-1,2-Dichloroethene	539	25	ug/kg dry	603.4	ND	89.4	66.6-134			
Trichloroethene	2170	25	ug/kg dry	603.4	1690	79.5	66.3-125			
Vinyl chloride	495	25	ug/kg dry	603.4	ND	82.0	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	512		<i>ug/kg dry</i>	603.4		84.9	60.3-124			
<i>Surrogate: Toluene-d8</i>	509		<i>ug/kg dry</i>	603.4		84.4	63.1-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	550		<i>ug/kg dry</i>	603.4		91.1	33.2-155			

Matrix Spike Dup (R808011-MSD1)	Source: R183301-07			Prepared: 08/13/2018 Analyzed: 08/15/2018 03:04						
1,1,1-Trichloroethane	522	25	ug/kg dry	607.0	ND	86.0	63.6-128	4.02	20	
1,1,1,2-Tetrachloroethane	510	25	ug/kg dry	607.0	ND	84.0	60.5-123	42.6	20	X



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808011 - EPA 5030B

Matrix Spike Dup (R808011-MSD1)

Source: R183301-07

Prepared: 08/13/2018 Analyzed: 08/15/2018 03:04

1,1,2-Trichloroethane	514	25	ug/kg dry	607.0	ND	84.7	60.1-127	1.40	20	
1,1-Dichloroethane	554	25	ug/kg dry	607.0	ND	91.3	66-132	0.644	20	
1,1-Dichloroethene	519	25	ug/kg dry	607.0	ND	85.4	50.9-149	5.88	20	
1,2,3-Trichlorobenzene	562	25	ug/kg dry	607.0	ND	92.6	54.7-127	0.421	20	
1,2,4-Trichlorobenzene	548	25	ug/kg dry	607.0	ND	90.3	63.7-119	0.275	20	
1,2,4-Trimethylbenzene	543	25	ug/kg dry	607.0	13.9	87.1	61.7-130	2.25	20	
1,2-Dichlorobenzene	546	25	ug/kg dry	607.0	ND	89.9	70.6-118	1.23	20	
1,2-Dichloroethane	553	25	ug/kg dry	607.0	ND	91.1	62-121	1.27	20	
1,3,5-Trimethylbenzene	538	25	ug/kg dry	607.0	15.6	86.0	65.5-128	3.30	20	
1,3-Dichlorobenzene	518	25	ug/kg dry	607.0	ND	85.4	69.5-119	1.33	20	
1,4-Dichlorobenzene	515	25	ug/kg dry	607.0	ND	84.9	71.8-119	3.10	20	
2-Chlorotoluene	535	25	ug/kg dry	607.0	ND	88.1	65.8-125	2.20	20	
4-Chlorotoluene	518	25	ug/kg dry	607.0	ND	85.3	66-126	4.07	20	
Benzene	526	25	ug/kg dry	607.0	ND	86.6	60.1-129	2.77	20	
Carbon tetrachloride	521	25	ug/kg dry	607.0	ND	85.8	57.4-127	2.46	20	
Chlorobenzene	545	25	ug/kg dry	607.0	ND	89.8	69.7-119	1.61	20	
Chloroform	534	25	ug/kg dry	607.0	ND	88.0	66-122	3.21	20	
Chloromethane	504	50	ug/kg dry	607.0	ND	83.0	11.7-191	10.2	20	
cis-1,2-Dichloroethene	546	25	ug/kg dry	607.0	25.8	85.7	65.1-129	1.64	20	
Ethylbenzene	543	25	ug/kg dry	607.0	ND	89.5	66.6-125	4.39	20	
Isopropylbenzene	563	25	ug/kg dry	607.0	ND	92.8	71.3-121	0.969	20	
m,p-Xylene	1110	50	ug/kg dry	1214	ND	91.6	67.4-122	1.12	20	
Methylene chloride	518	100	ug/kg dry	607.0	ND	85.4	58.4-127	1.43	20	
Naphthalene	575	25	ug/kg dry	607.0	ND	94.7	44.3-135	1.99	20	
n-Butyl Benzene	560	25	ug/kg dry	607.0	ND	92.3	68.7-125	1.17	20	
n-Propyl Benzene	534	25	ug/kg dry	607.0	ND	88.0	66.4-129	1.52	20	
o-Xylene	556	25	ug/kg dry	607.0	ND	91.5	66-124	0.750	20	
p-Isopropyltoluene	497	25	ug/kg dry	607.0	ND	82.0	66.3-127	13.7	20	
sec-Butyl Benzene	529	25	ug/kg dry	607.0	ND	87.1	67.2-128	0.986	20	
Styrene	540	25	ug/kg dry	607.0	ND	89.0	68.2-122	0.360	20	
tert-Butylbenzene	532	25	ug/kg dry	607.0	ND	87.6	64.9-133	3.55	20	
Tetrachloroethene	555	25	ug/kg dry	607.0	ND	91.4	55.6-135	4.27	20	
Toluene	525	25	ug/kg dry	607.0	13.2	84.3	66.4-125	4.90	20	
trans-1,2-Dichloroethene	509	25	ug/kg dry	607.0	ND	83.8	66.6-134	5.86	20	
Trichloroethene	2530	25	ug/kg dry	607.0	1690	138	66.3-125	15.3	20	M1
Vinyl chloride	410	25	ug/kg dry	607.0	ND	67.6	11.4-190	18.7	20	
Surrogate: 1-Bromo-2-chloroethane	518		ug/kg dry	607.0		85.3	60.3-124			
Surrogate: Toluene-d8	483		ug/kg dry	607.0		79.6	63.1-121			
Surrogate: 4-Bromofluorobenzene	565		ug/kg dry	607.0		93.1	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808014 - EPA 5030B

Blank (R808014-BLK1)

Prepared: 08/14/2018 Analyzed: 08/15/2018 16:00

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	438		ug/kg wet	500.0		87.7	60.3-124			
Surrogate: Toluene-d8	460		ug/kg wet	500.0		91.9	63.1-121			
Surrogate: 4-Bromofluorobenzene	517		ug/kg wet	500.0		103	33.2-155			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808014 - EPA 5030B

LCS (R808014-BS1)

Prepared: 08/14/2018 Analyzed: 08/15/2018 14:41

1,1,1-Trichloroethane	527	25	ug/kg wet	500.0		105	76.6-127			
1,1,2,2-Tetrachloroethane	553	25	ug/kg wet	500.0		111	76.1-126			
1,1,2-Trichloroethane	469	25	ug/kg wet	500.0		93.9	70.4-131			
1,1-Dichloroethane	525	25	ug/kg wet	500.0		105	77.6-132			
1,1-Dichloroethene	630	25	ug/kg wet	500.0		126	61.5-154			
1,2,3-Trichlorobenzene	493	25	ug/kg wet	500.0		98.6	64.4-142			
1,2,4-Trichlorobenzene	495	25	ug/kg wet	500.0		99.0	75.7-130			
1,2,4-Trimethylbenzene	527	25	ug/kg wet	500.0		105	80.5-121			
1,2-Dichlorobenzene	520	25	ug/kg wet	500.0		104	85.4-118			
1,2-Dichloroethane	486	25	ug/kg wet	500.0		97.2	77.4-121			
1,3,5-Trimethylbenzene	526	25	ug/kg wet	500.0		105	81.3-118			
1,3-Dichlorobenzene	494	25	ug/kg wet	500.0		98.8	87.4-113			
1,4-Dichlorobenzene	496	25	ug/kg wet	500.0		99.2	85.9-117			
2-Chlorotoluene	518	25	ug/kg wet	500.0		104	77.5-121			
4-Chlorotoluene	500	25	ug/kg wet	500.0		100	81.5-118			
Benzene	508	25	ug/kg wet	500.0		102	78.7-123			
Carbon tetrachloride	531	25	ug/kg wet	500.0		106	70.7-126			
Chlorobenzene	527	25	ug/kg wet	500.0		105	85.7-117			
Chloroform	498	25	ug/kg wet	500.0		99.6	76.5-122			
Chloromethane	747	50	ug/kg wet	500.0		149	23.2-199			
cis-1,2-Dichloroethene	510	25	ug/kg wet	500.0		102	83.2-121			
Ethylbenzene	540	25	ug/kg wet	500.0		108	77.6-125			
Isopropylbenzene	535	25	ug/kg wet	500.0		107	83.3-121			
m,p-Xylene	1090	50	ug/kg wet	1000		109	80.1-121			
Methylene chloride	525	100	ug/kg wet	500.0		105	70.6-128			
Naphthalene	510	25	ug/kg wet	500.0		102	49.1-150			
n-Butyl Benzene	528	25	ug/kg wet	500.0		106	82.8-120			
n-Propyl Benzene	521	25	ug/kg wet	500.0		104	76.3-124			
o-Xylene	545	25	ug/kg wet	500.0		109	80.6-122			
p-Isopropyltoluene	523	25	ug/kg wet	500.0		105	80.7-122			
sec-Butyl Benzene	515	25	ug/kg wet	500.0		103	82.6-119			
Styrene	525	25	ug/kg wet	500.0		105	82.1-122			
tert-Butylbenzene	532	25	ug/kg wet	500.0		106	78.8-126			
Tetrachloroethene	605	25	ug/kg wet	500.0		121	69.6-130			
Toluene	525	25	ug/kg wet	500.0		105	80.7-122			
trans-1,2-Dichloroethene	567	25	ug/kg wet	500.0		113	76-133			
Trichloroethene	539	25	ug/kg wet	500.0		108	78.7-123			
Vinyl chloride	728	25	ug/kg wet	500.0		146	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	428		ug/kg wet	500.0		85.5	60.3-124			
Surrogate: Toluene-d8	459		ug/kg wet	500.0		91.7	63.1-121			
Surrogate: 4-Bromofluorobenzene	489		ug/kg wet	500.0		97.8	33.2-155			

Matrix Spike (R808014-MS1)

Source: R183302-02

Prepared: 08/14/2018 Analyzed: 08/15/2018 17:19

1,1,1-Trichloroethane	695	24	ug/kg dry	617.7	ND	112	63.6-128			
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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808014 - EPA 5030B

Matrix Spike (R808014-MS1)	Source: R183302-02			Prepared: 08/14/2018 Analyzed: 08/15/2018 17:19						
1,1,2,2-Tetrachloroethane	714	24	ug/kg dry	617.7	ND	116	60.5-123			
1,1,2-Trichloroethane	682	24	ug/kg dry	617.7	ND	110	60.1-127			
1,1-Dichloroethane	709	24	ug/kg dry	617.7	ND	115	66-132			
1,1-Dichloroethene	596	24	ug/kg dry	617.7	ND	96.5	50.9-149			
1,2,3-Trichlorobenzene	704	24	ug/kg dry	617.7	ND	114	54.7-127			
1,2,4-Trichlorobenzene	721	24	ug/kg dry	617.7	ND	117	63.7-119			
1,2,4-Trimethylbenzene	730	24	ug/kg dry	617.7	ND	118	61.7-130			
1,2-Dichlorobenzene	708	24	ug/kg dry	617.7	ND	115	70.6-118			
1,2-Dichloroethane	702	24	ug/kg dry	617.7	ND	114	62-121			
1,3,5-Trimethylbenzene	727	24	ug/kg dry	617.7	ND	118	65.5-128			
1,3-Dichlorobenzene	651	24	ug/kg dry	617.7	ND	105	69.5-119			
1,4-Dichlorobenzene	716	24	ug/kg dry	617.7	ND	116	71.8-119			
2-Chlorotoluene	719	24	ug/kg dry	617.7	ND	116	65.8-125			
4-Chlorotoluene	721	24	ug/kg dry	617.7	ND	117	66-126			
Benzene	686	24	ug/kg dry	617.7	ND	111	60.1-129			
Carbon tetrachloride	687	24	ug/kg dry	617.7	ND	111	57.4-127			
Chlorobenzene	729	24	ug/kg dry	617.7	ND	118	69.7-119			
Chloroform	709	24	ug/kg dry	617.7	ND	115	66-122			
Chloromethane	496	49	ug/kg dry	617.7	ND	80.3	11.7-191			
cis-1,2-Dichloroethene	935	24	ug/kg dry	617.7	208	118	65.1-129			
Ethylbenzene	734	24	ug/kg dry	617.7	ND	119	66.6-125			
Isopropylbenzene	742	24	ug/kg dry	617.7	ND	120	71.3-121			
m,p-Xylene	1480	49	ug/kg dry	1235	ND	120	67.4-122			
Methylene chloride	666	98	ug/kg dry	617.7	ND	108	58.4-127			
Naphthalene	729	24	ug/kg dry	617.7	ND	118	44.3-135			
n-Butyl Benzene	740	24	ug/kg dry	617.7	ND	120	68.7-125			
n-Propyl Benzene	735	24	ug/kg dry	617.7	ND	119	66.4-129			
o-Xylene	727	24	ug/kg dry	617.7	ND	118	66-124			
p-Isopropyltoluene	690	24	ug/kg dry	617.7	ND	112	66.3-127			
sec-Butyl Benzene	718	24	ug/kg dry	617.7	ND	116	67.2-128			
Styrene	707	24	ug/kg dry	617.7	ND	114	68.2-122			
tert-Butylbenzene	786	24	ug/kg dry	617.7	ND	127	64.9-133			
Tetrachloroethene	2090	24	ug/kg dry	617.7	1020	174	55.6-135			M1
Toluene	684	24	ug/kg dry	617.7	ND	111	66.4-125			
trans-1,2-Dichloroethene	670	24	ug/kg dry	617.7	ND	108	66.6-134			
Trichloroethene	8170	24	ug/kg dry	617.7	5640	410	66.3-125			M1
Vinyl chloride	503	24	ug/kg dry	617.7	ND	81.5	11.4-190			
Surrogate: 1-Bromo-2-chloroethane	683		ug/kg dry	617.7		111	60.3-124			
Surrogate: Toluene-d8	681		ug/kg dry	617.7		110	63.1-121			
Surrogate: 4-Bromofluorobenzene	721		ug/kg dry	617.7		117	33.2-155			

Matrix Spike Dup (R808014-MSD1)	Source: R183302-02			Prepared: 08/14/2018 Analyzed: 08/15/2018 17:45						
1,1,1-Trichloroethane	591	24	ug/kg dry	595.0	ND	99.4	63.6-128	16.1	20	
1,1,2,2-Tetrachloroethane	603	24	ug/kg dry	595.0	ND	101	60.5-123	16.9	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808014 - EPA 5030B

Matrix Spike Dup (R808014-MSD1)	Source: R183302-02	Prepared: 08/14/2018	Analyzed: 08/15/2018 17:45						
1,1,2-Trichloroethane	613	24 ug/kg dry	595.0	ND	103	60.1-127	10.8	20	
1,1-Dichloroethane	621	24 ug/kg dry	595.0	ND	104	66-132	13.3	20	
1,1-Dichloroethene	483	24 ug/kg dry	595.0	ND	81.2	50.9-149	20.9	20	X
1,2,3-Trichlorobenzene	608	24 ug/kg dry	595.0	ND	102	54.7-127	14.5	20	
1,2,4-Trichlorobenzene	615	24 ug/kg dry	595.0	ND	103	63.7-119	15.9	20	
1,2,4-Trimethylbenzene	659	24 ug/kg dry	595.0	ND	111	61.7-130	10.1	20	
1,2-Dichlorobenzene	629	24 ug/kg dry	595.0	ND	106	70.6-118	11.9	20	
1,2-Dichloroethane	628	24 ug/kg dry	595.0	ND	106	62-121	11.1	20	
1,3,5-Trimethylbenzene	637	24 ug/kg dry	595.0	ND	107	65.5-128	13.1	20	
1,3-Dichlorobenzene	597	24 ug/kg dry	595.0	ND	100	69.5-119	8.56	20	
1,4-Dichlorobenzene	629	24 ug/kg dry	595.0	ND	106	71.8-119	13.0	20	
2-Chlorotoluene	641	24 ug/kg dry	595.0	ND	108	65.8-125	11.4	20	
4-Chlorotoluene	637	24 ug/kg dry	595.0	ND	107	66-126	12.4	20	
Benzene	598	24 ug/kg dry	595.0	ND	101	60.1-129	13.7	20	
Carbon tetrachloride	596	24 ug/kg dry	595.0	ND	100	57.4-127	14.2	20	
Chlorobenzene	630	24 ug/kg dry	595.0	ND	106	69.7-119	14.6	20	
Chloroform	622	24 ug/kg dry	595.0	ND	104	66-122	13.2	20	
Chloromethane	342	47 ug/kg dry	595.0	ND	57.4	11.7-191	36.8	20	X
cis-1,2-Dichloroethene	876	24 ug/kg dry	595.0	208	112	65.1-129	6.58	20	
Ethylbenzene	642	24 ug/kg dry	595.0	ND	108	66.6-125	13.3	20	
Isopropylbenzene	652	24 ug/kg dry	595.0	ND	110	71.3-121	12.9	20	
m,p-Xylene	1300	47 ug/kg dry	1190	ND	109	67.4-122	13.0	20	
Methylene chloride	570	94 ug/kg dry	595.0	ND	95.8	58.4-127	15.6	20	
Naphthalene	632	24 ug/kg dry	595.0	ND	106	44.3-135	14.2	20	
n-Butyl Benzene	668	24 ug/kg dry	595.0	ND	112	68.7-125	10.2	20	
n-Propyl Benzene	642	24 ug/kg dry	595.0	ND	108	66.4-129	13.6	20	
o-Xylene	632	24 ug/kg dry	595.0	ND	106	66-124	14.0	20	
p-Isopropyltoluene	621	24 ug/kg dry	595.0	ND	104	66.3-127	10.5	20	
sec-Butyl Benzene	635	24 ug/kg dry	595.0	ND	107	67.2-128	12.2	20	
Styrene	622	24 ug/kg dry	595.0	ND	104	68.2-122	12.8	20	
tert-Butylbenzene	653	24 ug/kg dry	595.0	ND	110	64.9-133	18.5	20	
Tetrachloroethene	2030	24 ug/kg dry	595.0	1020	169	55.6-135	3.32	20	M1
Toluene	603	24 ug/kg dry	595.0	ND	101	66.4-125	12.6	20	
trans-1,2-Dichloroethene	560	24 ug/kg dry	595.0	ND	94.1	66.6-134	17.9	20	
Trichloroethene	8260	24 ug/kg dry	595.0	5640	441	66.3-125	1.12	20	M1
Vinyl chloride	295	24 ug/kg dry	595.0	ND	49.5	11.4-190	52.3	20	X
Surrogate: 1-Bromo-2-chloroethane	546	ug/kg dry	595.0		91.8	60.3-124			
Surrogate: Toluene-d8	555	ug/kg dry	595.0		93.3	63.1-121			
Surrogate: 4-Bromofluorobenzene	613	ug/kg dry	595.0		103	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808015 - EPA 5030B

Blank (R808015-BLK1)

Prepared: 08/14/2018 Analyzed: 08/16/2018 04:41

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	425		ug/kg wet	500.0		84.9	60.3-124			
Surrogate: Toluene-d8	471		ug/kg wet	500.0		94.2	63.1-121			
Surrogate: 4-Bromofluorobenzene	449		ug/kg wet	500.0		89.8	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808015 - EPA 5030B

LCS (R808015-BS1)

Prepared: 08/14/2018 Analyzed: 08/16/2018 04:15

1,1,1-Trichloroethane	508	25	ug/kg wet	500.0		102	76.6-127			
1,1,2,2-Tetrachloroethane	505	25	ug/kg wet	500.0		101	76.1-126			
1,1,2-Trichloroethane	473	25	ug/kg wet	500.0		94.7	70.4-131			
1,1-Dichloroethane	549	25	ug/kg wet	500.0		110	77.6-132			
1,1-Dichloroethene	564	25	ug/kg wet	500.0		113	61.5-154			
1,2,3-Trichlorobenzene	509	25	ug/kg wet	500.0		102	64.4-142			
1,2,4-Trichlorobenzene	503	25	ug/kg wet	500.0		101	75.7-130			
1,2,4-Trimethylbenzene	522	25	ug/kg wet	500.0		104	80.5-121			
1,2-Dichlorobenzene	492	25	ug/kg wet	500.0		98.5	85.4-118			
1,2-Dichloroethane	485	25	ug/kg wet	500.0		97.0	77.4-121			
1,3,5-Trimethylbenzene	524	25	ug/kg wet	500.0		105	81.3-118			
1,3-Dichlorobenzene	472	25	ug/kg wet	500.0		94.4	87.4-113			
1,4-Dichlorobenzene	509	25	ug/kg wet	500.0		102	85.9-117			
2-Chlorotoluene	523	25	ug/kg wet	500.0		105	77.5-121			
4-Chlorotoluene	538	25	ug/kg wet	500.0		108	81.5-118			
Benzene	498	25	ug/kg wet	500.0		99.6	78.7-123			
Carbon tetrachloride	513	25	ug/kg wet	500.0		103	70.7-126			
Chlorobenzene	512	25	ug/kg wet	500.0		102	85.7-117			
Chloroform	479	25	ug/kg wet	500.0		95.8	76.5-122			
Chloromethane	701	50	ug/kg wet	500.0		140	23.2-199			
cis-1,2-Dichloroethene	483	25	ug/kg wet	500.0		96.6	83.2-121			
Ethylbenzene	523	25	ug/kg wet	500.0		105	77.6-125			
Isopropylbenzene	510	25	ug/kg wet	500.0		102	83.3-121			
m,p-Xylene	1040	50	ug/kg wet	1000		104	80.1-121			
Methylene chloride	487	100	ug/kg wet	500.0		97.3	70.6-128			
Naphthalene	513	25	ug/kg wet	500.0		103	49.1-150			
n-Butyl Benzene	517	25	ug/kg wet	500.0		103	82.8-120			
n-Propyl Benzene	522	25	ug/kg wet	500.0		104	76.3-124			
o-Xylene	522	25	ug/kg wet	500.0		104	80.6-122			
p-Isopropyltoluene	505	25	ug/kg wet	500.0		101	80.7-122			
sec-Butyl Benzene	533	25	ug/kg wet	500.0		107	82.6-119			
Styrene	506	25	ug/kg wet	500.0		101	82.1-122			
tert-Butylbenzene	532	25	ug/kg wet	500.0		106	78.8-126			
Tetrachloroethene	547	25	ug/kg wet	500.0		109	69.6-130			
Toluene	491	25	ug/kg wet	500.0		98.3	80.7-122			
trans-1,2-Dichloroethene	522	25	ug/kg wet	500.0		104	76-133			
Trichloroethene	518	25	ug/kg wet	500.0		104	78.7-123			
Vinyl chloride	698	25	ug/kg wet	500.0		140	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	473		ug/kg wet	500.0		94.6	60.3-124			
Surrogate: Toluene-d8	480		ug/kg wet	500.0		96.0	63.1-121			
Surrogate: 4-Bromofluorobenzene	510		ug/kg wet	500.0		102	33.2-155			

Matrix Spike (R808015-MS1)

Source: R183302-25

Prepared: 08/14/2018 Analyzed: 08/17/2018 10:05

1,1,1-Trichloroethane	517	26	ug/kg dry	647.1	ND	79.9	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808015 - EPA 5030B

Matrix Spike (R808015-MS1)	Source: R183302-25			Prepared: 08/14/2018 Analyzed: 08/17/2018 10:05						
1,1,2,2-Tetrachloroethane	586	26	ug/kg dry	647.1	ND	90.6	60.5-123			
1,1,2-Trichloroethane	540	26	ug/kg dry	647.1	ND	83.4	60.1-127			
1,1-Dichloroethane	533	26	ug/kg dry	647.1	ND	82.3	66-132			
1,1-Dichloroethene	519	26	ug/kg dry	647.1	46.7	72.9	50.9-149			
1,2,3-Trichlorobenzene	524	26	ug/kg dry	647.1	ND	81.0	54.7-127			
1,2,4-Trichlorobenzene	493	26	ug/kg dry	647.1	ND	76.2	63.7-119			
1,2,4-Trimethylbenzene	533	26	ug/kg dry	647.1	ND	82.4	61.7-130			
1,2-Dichlorobenzene	551	26	ug/kg dry	647.1	ND	85.1	70.6-118			
1,2-Dichloroethane	556	26	ug/kg dry	647.1	ND	85.9	62-121			
1,3,5-Trimethylbenzene	527	26	ug/kg dry	647.1	ND	81.5	65.5-128			
1,3-Dichlorobenzene	497	26	ug/kg dry	647.1	ND	76.9	69.5-119			
1,4-Dichlorobenzene	526	26	ug/kg dry	647.1	ND	81.2	71.8-119			
2-Chlorotoluene	543	26	ug/kg dry	647.1	ND	84.0	65.8-125			
4-Chlorotoluene	546	26	ug/kg dry	647.1	ND	84.4	66-126			
Benzene	515	26	ug/kg dry	647.1	ND	79.6	60.1-129			
Carbon tetrachloride	374	26	ug/kg dry	647.1	ND	57.7	57.4-127			
Chlorobenzene	556	26	ug/kg dry	647.1	ND	85.9	69.7-119			
Chloroform	563	26	ug/kg dry	647.1	ND	86.9	66-122			
Chloromethane	488	51	ug/kg dry	647.1	ND	75.5	11.7-191			
cis-1,2-Dichloroethene	32900	26	ug/kg dry	647.1	43000	NR	65.1-129			M1, E
Ethylbenzene	556	26	ug/kg dry	647.1	ND	85.9	66.6-125			
Isopropylbenzene	562	26	ug/kg dry	647.1	ND	86.9	71.3-121			
m,p-Xylene	1110	51	ug/kg dry	1294	ND	85.5	67.4-122			
Methylene chloride	499	100	ug/kg dry	647.1	ND	77.1	58.4-127			
Naphthalene	569	26	ug/kg dry	647.1	ND	87.9	44.3-135			
n-Butyl Benzene	532	26	ug/kg dry	647.1	ND	82.2	68.7-125			
n-Propyl Benzene	535	26	ug/kg dry	647.1	ND	82.6	66.4-129			
o-Xylene	547	26	ug/kg dry	647.1	ND	84.6	66-124			
p-Isopropyltoluene	517	26	ug/kg dry	647.1	ND	80.0	66.3-127			
sec-Butyl Benzene	537	26	ug/kg dry	647.1	ND	83.1	67.2-128			
Styrene	526	26	ug/kg dry	647.1	ND	81.3	68.2-122			
tert-Butylbenzene	538	26	ug/kg dry	647.1	ND	83.1	64.9-133			
Tetrachloroethene	559	26	ug/kg dry	647.1	ND	86.4	55.6-135			
Toluene	539	26	ug/kg dry	647.1	ND	83.3	66.4-125			
trans-1,2-Dichloroethene	573	26	ug/kg dry	647.1	145	66.2	66.6-134			M
Trichloroethene	558	26	ug/kg dry	647.1	53.4	77.9	66.3-125			
Vinyl chloride	1260	26	ug/kg dry	647.1	1150	17.8	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	529		<i>ug/kg dry</i>	<i>647.1</i>		<i>81.7</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	530		<i>ug/kg dry</i>	<i>647.1</i>		<i>81.9</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	581		<i>ug/kg dry</i>	<i>647.1</i>		<i>89.8</i>	<i>33.2-155</i>			

Matrix Spike Dup (R808015-MSD1)	Source: R183302-25			Prepared: 08/14/2018 Analyzed: 08/16/2018 11:14						
1,1,1-Trichloroethane	513	24	ug/kg dry	611.3	ND	84.0	63.6-128	0.790	20	
1,1,1,2-Tetrachloroethane	584	24	ug/kg dry	611.3	ND	95.5	60.5-123	0.436	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808015 - EPA 5030B

Matrix Spike Dup (R808015-MSD1)

Source: R183302-25

Prepared: 08/14/2018 Analyzed: 08/16/2018 11:14

1,1,2-Trichloroethane	518	24	ug/kg dry	611.3	ND	84.7	60.1-127	4.13	20	
1,1-Dichloroethane	522	24	ug/kg dry	611.3	ND	85.5	66-132	1.97	20	
1,1-Dichloroethene	552	24	ug/kg dry	611.3	46.7	82.6	50.9-149	6.19	20	
1,2,3-Trichlorobenzene	505	24	ug/kg dry	611.3	ND	82.6	54.7-127	3.67	20	
1,2,4-Trichlorobenzene	483	24	ug/kg dry	611.3	ND	79.0	63.7-119	2.10	20	
1,2,4-Trimethylbenzene	531	24	ug/kg dry	611.3	ND	86.8	61.7-130	0.429	20	
1,2-Dichlorobenzene	527	24	ug/kg dry	611.3	ND	86.3	70.6-118	4.28	20	
1,2-Dichloroethane	512	24	ug/kg dry	611.3	ND	83.8	62-121	8.23	20	
1,3,5-Trimethylbenzene	551	24	ug/kg dry	611.3	ND	90.2	65.5-128	4.39	20	
1,3-Dichlorobenzene	504	24	ug/kg dry	611.3	ND	82.5	69.5-119	1.37	20	
1,4-Dichlorobenzene	510	24	ug/kg dry	611.3	ND	83.4	71.8-119	3.04	20	
2-Chlorotoluene	564	24	ug/kg dry	611.3	ND	92.3	65.8-125	3.77	20	
4-Chlorotoluene	557	24	ug/kg dry	611.3	ND	91.1	66-126	1.92	20	
Benzene	511	24	ug/kg dry	611.3	ND	83.6	60.1-129	0.817	20	
Carbon tetrachloride	420	24	ug/kg dry	611.3	ND	68.7	57.4-127	11.7	20	
Chlorobenzene	556	24	ug/kg dry	611.3	ND	90.9	69.7-119	0.0672	20	
Chloroform	537	24	ug/kg dry	611.3	ND	87.8	66-122	4.73	20	
Chloromethane	380	49	ug/kg dry	611.3	ND	62.2	11.7-191	24.9	20	X
cis-1,2-Dichloroethene	55400	24	ug/kg dry	611.3	43000	NR	65.1-129	51.0	20	M1, X, E
Ethylbenzene	555	24	ug/kg dry	611.3	ND	90.7	66.6-125	0.207	20	
Isopropylbenzene	558	24	ug/kg dry	611.3	ND	91.3	71.3-121	0.707	20	
m,p-Xylene	1110	49	ug/kg dry	1223	ND	90.9	67.4-122	0.402	20	
Methylene chloride	492	97	ug/kg dry	611.3	ND	80.4	58.4-127	1.52	20	
Naphthalene	528	24	ug/kg dry	611.3	ND	86.3	44.3-135	7.47	20	
n-Butyl Benzene	540	24	ug/kg dry	611.3	ND	88.4	68.7-125	1.54	20	
n-Propyl Benzene	557	24	ug/kg dry	611.3	ND	91.1	66.4-129	4.14	20	
o-Xylene	549	24	ug/kg dry	611.3	ND	89.9	66-124	0.354	20	
p-Isopropyltoluene	552	24	ug/kg dry	611.3	ND	90.3	66.3-127	6.45	20	
sec-Butyl Benzene	543	24	ug/kg dry	611.3	ND	88.8	67.2-128	0.968	20	
Styrene	531	24	ug/kg dry	611.3	ND	86.9	68.2-122	0.969	20	
tert-Butylbenzene	563	24	ug/kg dry	611.3	ND	92.2	64.9-133	4.64	20	
Tetrachloroethene	557	24	ug/kg dry	611.3	ND	91.2	55.6-135	0.380	20	
Toluene	524	24	ug/kg dry	611.3	ND	85.7	66.4-125	2.82	20	
trans-1,2-Dichloroethene	1240	24	ug/kg dry	611.3	145	178	66.6-134	73.2	20	M, X
Trichloroethene	562	24	ug/kg dry	611.3	53.4	83.1	66.3-125	0.732	20	
Vinyl chloride	1240	24	ug/kg dry	611.3	1150	14.4	11.4-190	2.18	20	
Surrogate: 1-Bromo-2-chloroethane	505		ug/kg dry	611.3		82.6	60.3-124			
Surrogate: Toluene-d8	509		ug/kg dry	611.3		83.3	63.1-121			
Surrogate: 4-Bromofluorobenzene	537		ug/kg dry	611.3		87.8	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808017 - EPA 5030B

Blank (R808017-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018 21:30

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	456		ug/kg wet	500.0		91.2	60.3-124			
Surrogate: Toluene-d8	481		ug/kg wet	500.0		96.3	63.1-121			
Surrogate: 4-Bromofluorobenzene	494		ug/kg wet	500.0		98.7	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808017 - EPA 5030B

LCS (R808017-BS1)

Prepared: 08/15/2018 Analyzed: 08/16/2018 19:44

1,1,1-Trichloroethane	496	25	ug/kg wet	500.0		99.2	76.6-127			
1,1,2,2-Tetrachloroethane	489	25	ug/kg wet	500.0		97.8	76.1-126			
1,1,2-Trichloroethane	476	25	ug/kg wet	500.0		95.1	70.4-131			
1,1-Dichloroethane	499	25	ug/kg wet	500.0		99.7	77.6-132			
1,1-Dichloroethene	534	25	ug/kg wet	500.0		107	61.5-154			
1,2,3-Trichlorobenzene	538	25	ug/kg wet	500.0		108	64.4-142			
1,2,4-Trichlorobenzene	521	25	ug/kg wet	500.0		104	75.7-130			
1,2,4-Trimethylbenzene	500	25	ug/kg wet	500.0		100	80.5-121			
1,2-Dichlorobenzene	502	25	ug/kg wet	500.0		100	85.4-118			
1,2-Dichloroethane	475	25	ug/kg wet	500.0		95.0	77.4-121			
1,3,5-Trimethylbenzene	490	25	ug/kg wet	500.0		98.0	81.3-118			
1,3-Dichlorobenzene	462	25	ug/kg wet	500.0		92.4	87.4-113			
1,4-Dichlorobenzene	510	25	ug/kg wet	500.0		102	85.9-117			
2-Chlorotoluene	494	25	ug/kg wet	500.0		98.9	77.5-121			
4-Chlorotoluene	501	25	ug/kg wet	500.0		100	81.5-118			
Benzene	471	25	ug/kg wet	500.0		94.1	78.7-123			
Carbon tetrachloride	479	25	ug/kg wet	500.0		95.8	70.7-126			
Chlorobenzene	509	25	ug/kg wet	500.0		102	85.7-117			
Chloroform	466	25	ug/kg wet	500.0		93.2	76.5-122			
Chloromethane	584	50	ug/kg wet	500.0		117	23.2-199			
cis-1,2-Dichloroethene	469	25	ug/kg wet	500.0		93.7	83.2-121			
Ethylbenzene	513	25	ug/kg wet	500.0		103	77.6-125			
Isopropylbenzene	512	25	ug/kg wet	500.0		102	83.3-121			
m,p-Xylene	1030	50	ug/kg wet	1000		103	80.1-121			
Methylene chloride	462	100	ug/kg wet	500.0		92.3	70.6-128			
Naphthalene	551	25	ug/kg wet	500.0		110	49.1-150			
n-Butyl Benzene	496	25	ug/kg wet	500.0		99.3	82.8-120			
n-Propyl Benzene	491	25	ug/kg wet	500.0		98.2	76.3-124			
o-Xylene	502	25	ug/kg wet	500.0		100	80.6-122			
p-Isopropyltoluene	477	25	ug/kg wet	500.0		95.3	80.7-122			
sec-Butyl Benzene	493	25	ug/kg wet	500.0		98.7	82.6-119			
Styrene	502	25	ug/kg wet	500.0		100	82.1-122			
tert-Butylbenzene	511	25	ug/kg wet	500.0		102	78.8-126			
Tetrachloroethene	541	25	ug/kg wet	500.0		108	69.6-130			
Toluene	495	25	ug/kg wet	500.0		99.0	80.7-122			
trans-1,2-Dichloroethene	492	25	ug/kg wet	500.0		98.4	76-133			
Trichloroethene	512	25	ug/kg wet	500.0		102	78.7-123			
Vinyl chloride	557	25	ug/kg wet	500.0		111	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	465		ug/kg wet	500.0		92.9	60.3-124			
Surrogate: Toluene-d8	468		ug/kg wet	500.0		93.6	63.1-121			
Surrogate: 4-Bromofluorobenzene	498		ug/kg wet	500.0		99.5	33.2-155			

Matrix Spike (R808017-MS1)

Source: R183303-02

Prepared: 08/15/2018 Analyzed: 08/16/2018 22:49

1,1,1-Trichloroethane	475	24	ug/kg dry	598.3	ND	79.5	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808017 - EPA 5030B

Matrix Spike (R808017-MS1)	Source: R183303-02			Prepared: 08/15/2018 Analyzed: 08/16/2018 22:49						
1,1,2,2-Tetrachloroethane	479	24	ug/kg dry	598.3	ND	80.0	60.5-123			
1,1,2-Trichloroethane	466	24	ug/kg dry	598.3	ND	77.8	60.1-127			
1,1-Dichloroethane	484	24	ug/kg dry	598.3	ND	80.9	66-132			
1,1-Dichloroethene	430	24	ug/kg dry	598.3	ND	71.9	50.9-149			
1,2,3-Trichlorobenzene	496	24	ug/kg dry	598.3	ND	82.9	54.7-127			
1,2,4-Trichlorobenzene	512	24	ug/kg dry	598.3	ND	85.6	63.7-119			
1,2,4-Trimethylbenzene	571	24	ug/kg dry	598.3	ND	95.5	61.7-130			
1,2-Dichlorobenzene	529	24	ug/kg dry	598.3	ND	88.3	70.6-118			
1,2-Dichloroethane	480	24	ug/kg dry	598.3	ND	80.2	62-121			
1,3,5-Trimethylbenzene	587	24	ug/kg dry	598.3	ND	98.1	65.5-128			
1,3-Dichlorobenzene	515	24	ug/kg dry	598.3	ND	86.0	69.5-119			
1,4-Dichlorobenzene	543	24	ug/kg dry	598.3	ND	90.8	71.8-119			
2-Chlorotoluene	567	24	ug/kg dry	598.3	ND	94.8	65.8-125			
4-Chlorotoluene	533	24	ug/kg dry	598.3	ND	89.0	66-126			
Benzene	462	24	ug/kg dry	598.3	ND	77.2	60.1-129			
Carbon tetrachloride	460	24	ug/kg dry	598.3	ND	76.9	57.4-127			
Chlorobenzene	542	24	ug/kg dry	598.3	ND	90.6	69.7-119			
Chloroform	470	24	ug/kg dry	598.3	ND	78.6	66-122			
Chloromethane	382	48	ug/kg dry	598.3	ND	63.9	11.7-191			
cis-1,2-Dichloroethene	458	24	ug/kg dry	598.3	ND	76.5	65.1-129			
Ethylbenzene	540	24	ug/kg dry	598.3	ND	90.3	66.6-125			
Isopropylbenzene	554	24	ug/kg dry	598.3	ND	92.6	71.3-121			
m,p-Xylene	1110	48	ug/kg dry	1197	ND	92.6	67.4-122			
Methylene chloride	456	97	ug/kg dry	598.3	ND	76.1	58.4-127			
Naphthalene	493	24	ug/kg dry	598.3	ND	82.4	44.3-135			
n-Butyl Benzene	572	24	ug/kg dry	598.3	ND	95.7	68.7-125			
n-Propyl Benzene	574	24	ug/kg dry	598.3	ND	96.0	66.4-129			
o-Xylene	539	24	ug/kg dry	598.3	ND	90.1	66-124			
p-Isopropyltoluene	554	24	ug/kg dry	598.3	ND	92.5	66.3-127			
sec-Butyl Benzene	577	24	ug/kg dry	598.3	ND	96.4	67.2-128			
Styrene	507	24	ug/kg dry	598.3	ND	84.7	68.2-122			
tert-Butylbenzene	594	24	ug/kg dry	598.3	ND	99.3	64.9-133			
Tetrachloroethene	624	24	ug/kg dry	598.3	ND	104	55.6-135			
Toluene	514	24	ug/kg dry	598.3	ND	85.9	66.4-125			
trans-1,2-Dichloroethene	462	24	ug/kg dry	598.3	ND	77.3	66.6-134			
Trichloroethene	1150	24	ug/kg dry	598.3	635	85.4	66.3-125			
Vinyl chloride	328	24	ug/kg dry	598.3	ND	54.8	11.4-190			
Surrogate: 1-Bromo-2-chloroethane	463		ug/kg dry	598.3		77.3	60.3-124			
Surrogate: Toluene-d8	483		ug/kg dry	598.3		80.7	63.1-121			
Surrogate: 4-Bromofluorobenzene	498		ug/kg dry	598.3		83.3	33.2-155			

Matrix Spike Dup (R808017-MSD1)	Source: R183303-02			Prepared: 08/15/2018 Analyzed: 08/16/2018 23:15						
1,1,1-Trichloroethane	514	25	ug/kg dry	630.0	ND	81.5	63.6-128	7.74	20	
1,1,1,2-Tetrachloroethane	537	25	ug/kg dry	630.0	ND	85.2	60.5-123	11.4	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808017 - EPA 5030B

Matrix Spike Dup (R808017-MSD1)	Source: R183303-02	Prepared: 08/15/2018	Analyzed: 08/16/2018 23:15						
1,1,2-Trichloroethane	512	25 ug/kg dry	630.0	ND	81.2	60.1-127	9.43	20	
1,1-Dichloroethane	535	25 ug/kg dry	630.0	ND	85.0	66-132	10.1	20	
1,1-Dichloroethene	505	25 ug/kg dry	630.0	ND	80.2	50.9-149	16.0	20	
1,2,3-Trichlorobenzene	584	25 ug/kg dry	630.0	ND	92.7	54.7-127	16.3	20	
1,2,4-Trichlorobenzene	574	25 ug/kg dry	630.0	ND	91.1	63.7-119	11.3	20	
1,2,4-Trimethylbenzene	556	25 ug/kg dry	630.0	ND	88.3	61.7-130	2.73	20	
1,2-Dichlorobenzene	554	25 ug/kg dry	630.0	ND	87.9	70.6-118	4.62	20	
1,2-Dichloroethane	527	25 ug/kg dry	630.0	ND	83.7	62-121	9.40	20	
1,3,5-Trimethylbenzene	549	25 ug/kg dry	630.0	ND	87.1	65.5-128	6.69	20	
1,3-Dichlorobenzene	508	25 ug/kg dry	630.0	ND	80.7	69.5-119	1.24	20	
1,4-Dichlorobenzene	565	25 ug/kg dry	630.0	ND	89.7	71.8-119	3.92	20	
2-Chlorotoluene	544	25 ug/kg dry	630.0	ND	86.4	65.8-125	4.22	20	
4-Chlorotoluene	563	25 ug/kg dry	630.0	ND	89.4	66-126	5.63	20	
Benzene	506	25 ug/kg dry	630.0	ND	80.3	60.1-129	9.10	20	
Carbon tetrachloride	510	25 ug/kg dry	630.0	ND	80.9	57.4-127	10.2	20	
Chlorobenzene	558	25 ug/kg dry	630.0	ND	88.6	69.7-119	2.93	20	
Chloroform	505	25 ug/kg dry	630.0	ND	80.1	66-122	7.11	20	
Chloromethane	610	51 ug/kg dry	630.0	ND	96.8	11.7-191	45.9	20	X
cis-1,2-Dichloroethene	504	25 ug/kg dry	630.0	ND	80.0	65.1-129	9.64	20	
Ethylbenzene	546	25 ug/kg dry	630.0	ND	86.6	66.6-125	1.05	20	
Isopropylbenzene	573	25 ug/kg dry	630.0	ND	91.0	71.3-121	3.40	20	
m,p-Xylene	1120	51 ug/kg dry	1260	ND	88.8	67.4-122	0.932	20	
Methylene chloride	496	100 ug/kg dry	630.0	ND	78.8	58.4-127	8.59	20	
Naphthalene	613	25 ug/kg dry	630.0	ND	97.3	44.3-135	21.7	20	X
n-Butyl Benzene	561	25 ug/kg dry	630.0	ND	89.1	68.7-125	2.00	20	
n-Propyl Benzene	537	25 ug/kg dry	630.0	ND	85.2	66.4-129	6.69	20	
o-Xylene	550	25 ug/kg dry	630.0	ND	87.3	66-124	1.95	20	
p-Isopropyltoluene	520	25 ug/kg dry	630.0	ND	82.6	66.3-127	6.26	20	
sec-Butyl Benzene	555	25 ug/kg dry	630.0	ND	88.0	67.2-128	3.88	20	
Styrene	528	25 ug/kg dry	630.0	ND	83.9	68.2-122	4.13	20	
tert-Butylbenzene	560	25 ug/kg dry	630.0	ND	89.0	64.9-133	5.81	20	
Tetrachloroethene	597	25 ug/kg dry	630.0	ND	94.7	55.6-135	4.46	20	
Toluene	551	25 ug/kg dry	630.0	ND	87.5	66.4-125	7.05	20	
trans-1,2-Dichloroethene	511	25 ug/kg dry	630.0	ND	81.1	66.6-134	10.0	20	
Trichloroethene	1030	25 ug/kg dry	630.0	635	62.9	66.3-125	10.5	20	M1
Vinyl chloride	443	25 ug/kg dry	630.0	ND	70.3	11.4-190	29.9	20	X
Surrogate: 1-Bromo-2-chloroethane	518	ug/kg dry	630.0		82.3	60.3-124			
Surrogate: Toluene-d8	530	ug/kg dry	630.0		84.1	63.1-121			
Surrogate: 4-Bromofluorobenzene	566	ug/kg dry	630.0		89.9	33.2-155			



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 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808019 - EPA 5030B

Blank (R808019-BLK1)

Prepared: 08/16/2018 Analyzed: 08/17/2018 11:58

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	438		ug/kg wet	500.0		87.6	60.3-124			
Surrogate: Toluene-d8	478		ug/kg wet	500.0		95.7	63.1-121			
Surrogate: 4-Bromofluorobenzene	458		ug/kg wet	500.0		91.6	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808019 - EPA 5030B

LCS (R808019-BS1)

Prepared: 08/16/2018 Analyzed: 08/17/2018 11:31

1,1,1-Trichloroethane	496	25	ug/kg wet	500.0		99.2	76.6-127			
1,1,2,2-Tetrachloroethane	437	25	ug/kg wet	500.0		87.4	76.1-126			
1,1,2-Trichloroethane	409	25	ug/kg wet	500.0		81.7	70.4-131			
1,1-Dichloroethane	493	25	ug/kg wet	500.0		98.6	77.6-132			
1,1-Dichloroethene	554	25	ug/kg wet	500.0		111	61.5-154			
1,2,3-Trichlorobenzene	458	25	ug/kg wet	500.0		91.6	64.4-142			
1,2,4-Trichlorobenzene	457	25	ug/kg wet	500.0		91.5	75.7-130			
1,2,4-Trimethylbenzene	521	25	ug/kg wet	500.0		104	80.5-121			
1,2-Dichlorobenzene	491	25	ug/kg wet	500.0		98.1	85.4-118			
1,2-Dichloroethane	450	25	ug/kg wet	500.0		90.0	77.4-121			
1,3,5-Trimethylbenzene	522	25	ug/kg wet	500.0		104	81.3-118			
1,3-Dichlorobenzene	460	25	ug/kg wet	500.0		92.0	87.4-113			
1,4-Dichlorobenzene	496	25	ug/kg wet	500.0		99.1	85.9-117			
2-Chlorotoluene	521	25	ug/kg wet	500.0		104	77.5-121			
4-Chlorotoluene	534	25	ug/kg wet	500.0		107	81.5-118			
Benzene	462	25	ug/kg wet	500.0		92.4	78.7-123			
Carbon tetrachloride	492	25	ug/kg wet	500.0		98.5	70.7-126			
Chlorobenzene	503	25	ug/kg wet	500.0		101	85.7-117			
Chloroform	463	25	ug/kg wet	500.0		92.6	76.5-122			
Chloromethane	696	50	ug/kg wet	500.0		139	23.2-199			
cis-1,2-Dichloroethene	452	25	ug/kg wet	500.0		90.3	83.2-121			
Ethylbenzene	516	25	ug/kg wet	500.0		103	77.6-125			
Isopropylbenzene	498	25	ug/kg wet	500.0		99.5	83.3-121			
m,p-Xylene	1060	50	ug/kg wet	1000		106	80.1-121			
Methylene chloride	472	100	ug/kg wet	500.0		94.3	70.6-128			
Naphthalene	477	25	ug/kg wet	500.0		95.5	49.1-150			
n-Butyl Benzene	524	25	ug/kg wet	500.0		105	82.8-120			
n-Propyl Benzene	527	25	ug/kg wet	500.0		105	76.3-124			
o-Xylene	514	25	ug/kg wet	500.0		103	80.6-122			
p-Isopropyltoluene	489	25	ug/kg wet	500.0		97.9	80.7-122			
sec-Butyl Benzene	510	25	ug/kg wet	500.0		102	82.6-119			
Styrene	468	25	ug/kg wet	500.0		93.6	82.1-122			
tert-Butylbenzene	521	25	ug/kg wet	500.0		104	78.8-126			
Tetrachloroethene	597	25	ug/kg wet	500.0		119	69.6-130			
Toluene	472	25	ug/kg wet	500.0		94.4	80.7-122			
trans-1,2-Dichloroethene	519	25	ug/kg wet	500.0		104	76-133			
Trichloroethene	510	25	ug/kg wet	500.0		102	78.7-123			
Vinyl chloride	711	25	ug/kg wet	500.0		142	31.2-195			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>414</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>82.8</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>437</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>87.4</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>429</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>85.9</i>	<i>33.2-155</i>			

Matrix Spike (R808019-MS1)

Source: R183304-02

Prepared: 08/16/2018 Analyzed: 08/17/2018 13:17

1,1,1-Trichloroethane	492	24	ug/kg dry	600.3	ND	81.9	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808019 - EPA 5030B

Matrix Spike (R808019-MS1)	Source: R183304-02			Prepared: 08/16/2018 Analyzed: 08/17/2018 13:17						
1,1,2,2-Tetrachloroethane	504	24	ug/kg dry	600.3	ND	84.0	60.5-123			
1,1,2-Trichloroethane	502	24	ug/kg dry	600.3	ND	83.6	60.1-127			
1,1-Dichloroethane	507	24	ug/kg dry	600.3	ND	84.4	66-132			
1,1-Dichloroethene	435	24	ug/kg dry	600.3	ND	72.4	50.9-149			
1,2,3-Trichlorobenzene	501	24	ug/kg dry	600.3	ND	83.4	54.7-127			
1,2,4-Trichlorobenzene	494	24	ug/kg dry	600.3	ND	82.2	63.7-119			
1,2,4-Trimethylbenzene	511	24	ug/kg dry	600.3	ND	85.1	61.7-130			
1,2-Dichlorobenzene	512	24	ug/kg dry	600.3	ND	85.3	70.6-118			
1,2-Dichloroethane	509	24	ug/kg dry	600.3	ND	84.9	62-121			
1,3,5-Trimethylbenzene	507	24	ug/kg dry	600.3	ND	84.5	65.5-128			
1,3-Dichlorobenzene	471	24	ug/kg dry	600.3	ND	78.5	69.5-119			
1,4-Dichlorobenzene	511	24	ug/kg dry	600.3	ND	85.1	71.8-119			
2-Chlorotoluene	505	24	ug/kg dry	600.3	ND	84.1	65.8-125			
4-Chlorotoluene	510	24	ug/kg dry	600.3	ND	85.0	66-126			
Benzene	484	24	ug/kg dry	600.3	ND	80.7	60.1-129			
Carbon tetrachloride	476	24	ug/kg dry	600.3	ND	79.3	57.4-127			
Chlorobenzene	522	24	ug/kg dry	600.3	ND	87.0	69.7-119			
Chloroform	500	24	ug/kg dry	600.3	ND	83.3	66-122			
Chloromethane	377	48	ug/kg dry	600.3	ND	62.8	11.7-191			
cis-1,2-Dichloroethene	481	24	ug/kg dry	600.3	ND	80.1	65.1-129			
Ethylbenzene	525	24	ug/kg dry	600.3	ND	87.5	66.6-125			
Isopropylbenzene	532	24	ug/kg dry	600.3	ND	88.6	71.3-121			
m,p-Xylene	1060	48	ug/kg dry	1201	ND	88.5	67.4-122			
Methylene chloride	460	96	ug/kg dry	600.3	ND	76.7	58.4-127			
Naphthalene	538	24	ug/kg dry	600.3	ND	89.6	44.3-135			
n-Butyl Benzene	520	24	ug/kg dry	600.3	ND	86.7	68.7-125			
n-Propyl Benzene	506	24	ug/kg dry	600.3	ND	84.3	66.4-129			
o-Xylene	515	24	ug/kg dry	600.3	ND	85.7	66-124			
p-Isopropyltoluene	490	24	ug/kg dry	600.3	ND	81.6	66.3-127			
sec-Butyl Benzene	512	24	ug/kg dry	600.3	ND	85.3	67.2-128			
Styrene	495	24	ug/kg dry	600.3	ND	82.5	68.2-122			
tert-Butylbenzene	530	24	ug/kg dry	600.3	ND	88.3	64.9-133			
Tetrachloroethene	793	24	ug/kg dry	600.3	236	92.7	55.6-135			
Toluene	497	24	ug/kg dry	600.3	ND	82.7	66.4-125			
trans-1,2-Dichloroethene	481	24	ug/kg dry	600.3	ND	80.1	66.6-134			
Trichloroethene	1110	24	ug/kg dry	600.3	631	79.6	66.3-125			
Vinyl chloride	318	24	ug/kg dry	600.3	ND	53.0	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>484</i>		<i>ug/kg dry</i>	<i>600.3</i>		<i>80.6</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>488</i>		<i>ug/kg dry</i>	<i>600.3</i>		<i>81.3</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>526</i>		<i>ug/kg dry</i>	<i>600.3</i>		<i>87.7</i>	<i>33.2-155</i>			

Matrix Spike Dup (R808019-MSD1)	Source: R183304-02			Prepared: 08/16/2018 Analyzed: 08/17/2018 14:36						
1,1,1-Trichloroethane	580	29	ug/kg dry	736.2	ND	78.8	63.6-128	16.5	20	
1,1,2,2-Tetrachloroethane	587	29	ug/kg dry	736.2	ND	79.7	60.5-123	15.2	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808019 - EPA 5030B

Matrix Spike Dup (R808019-MSD1)	Source: R183304-02	Prepared: 08/16/2018	Analyzed: 08/17/2018 14:36						
1,1,2-Trichloroethane	567	29 ug/kg dry	736.2	ND	77.1	60.1-127	12.3	20	
1,1-Dichloroethane	584	29 ug/kg dry	736.2	ND	79.4	66-132	14.2	20	
1,1-Dichloroethene	469	29 ug/kg dry	736.2	ND	63.8	50.9-149	7.70	20	
1,2,3-Trichlorobenzene	517	29 ug/kg dry	736.2	ND	70.3	54.7-127	3.27	20	
1,2,4-Trichlorobenzene	551	29 ug/kg dry	736.2	ND	74.8	63.7-119	11.0	20	
1,2,4-Trimethylbenzene	665	29 ug/kg dry	736.2	ND	90.4	61.7-130	26.3	20	X
1,2-Dichlorobenzene	611	29 ug/kg dry	736.2	ND	83.0	70.6-118	17.7	20	
1,2-Dichloroethane	608	29 ug/kg dry	736.2	ND	82.5	62-121	17.6	20	
1,3,5-Trimethylbenzene	670	29 ug/kg dry	736.2	ND	91.0	65.5-128	27.7	20	X
1,3-Dichlorobenzene	565	29 ug/kg dry	736.2	ND	76.7	69.5-119	18.0	20	
1,4-Dichlorobenzene	636	29 ug/kg dry	736.2	ND	86.5	71.8-119	21.9	20	X
2-Chlorotoluene	668	29 ug/kg dry	736.2	ND	90.7	65.8-125	27.7	20	X
4-Chlorotoluene	666	29 ug/kg dry	736.2	ND	90.5	66-126	26.5	20	X
Benzene	569	29 ug/kg dry	736.2	ND	77.3	60.1-129	16.1	20	
Carbon tetrachloride	568	29 ug/kg dry	736.2	ND	77.2	57.4-127	17.7	20	
Chlorobenzene	635	29 ug/kg dry	736.2	ND	86.2	69.7-119	19.5	20	
Chloroform	582	29 ug/kg dry	736.2	ND	79.1	66-122	15.2	20	
Chloromethane	381	59 ug/kg dry	736.2	ND	51.7	11.7-191	1.07	20	
cis-1,2-Dichloroethene	568	29 ug/kg dry	736.2	ND	77.2	65.1-129	16.7	20	
Ethylbenzene	650	29 ug/kg dry	736.2	ND	88.3	66.6-125	21.3	20	X
Isopropylbenzene	650	29 ug/kg dry	736.2	ND	88.3	71.3-121	20.0	20	
m,p-Xylene	1300	59 ug/kg dry	1472	ND	88.5	67.4-122	20.3	20	X
Methylene chloride	534	120 ug/kg dry	736.2	ND	72.5	58.4-127	14.8	20	
Naphthalene	535	29 ug/kg dry	736.2	ND	72.7	44.3-135	0.518	20	
n-Butyl Benzene	645	29 ug/kg dry	736.2	ND	87.6	68.7-125	21.4	20	X
n-Propyl Benzene	684	29 ug/kg dry	736.2	ND	92.9	66.4-129	29.9	20	X
o-Xylene	639	29 ug/kg dry	736.2	ND	86.8	66-124	21.5	20	X
p-Isopropyltoluene	639	29 ug/kg dry	736.2	ND	86.8	66.3-127	26.5	20	X
sec-Butyl Benzene	674	29 ug/kg dry	736.2	ND	91.6	67.2-128	27.4	20	X
Styrene	588	29 ug/kg dry	736.2	ND	79.9	68.2-122	17.2	20	
tert-Butylbenzene	698	29 ug/kg dry	736.2	ND	94.9	64.9-133	27.4	20	X
Tetrachloroethene	1130	29 ug/kg dry	736.2	236	121	55.6-135	34.7	20	X
Toluene	600	29 ug/kg dry	736.2	ND	81.5	66.4-125	18.8	20	
trans-1,2-Dichloroethene	537	29 ug/kg dry	736.2	ND	72.9	66.6-134	11.0	20	
Trichloroethene	1850	29 ug/kg dry	736.2	631	165	66.3-125	50.0	20	M1, X
Vinyl chloride	311	29 ug/kg dry	736.2	ND	42.2	11.4-190	2.37	20	
Surrogate: 1-Bromo-2-chloroethane	570	ug/kg dry	736.2		77.5	60.3-124			
Surrogate: Toluene-d8	584	ug/kg dry	736.2		79.4	63.1-121			
Surrogate: 4-Bromofluorobenzene	617	ug/kg dry	736.2		83.8	33.2-155			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808021 - EPA 5030B

Blank (R808021-BLK1)

Prepared: 08/17/2018 Analyzed: 08/18/2018 01:34

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	445		ug/kg wet	500.0		89.0	60.3-124			
Surrogate: Toluene-d8	472		ug/kg wet	500.0		94.5	63.1-121			
Surrogate: 4-Bromofluorobenzene	509		ug/kg wet	500.0		102	33.2-155			



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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808021 - EPA 5030B

LCS (R808021-BS1)

Prepared: 08/17/2018 Analyzed: 08/18/2018 00:15

1,1,1-Trichloroethane	502	25	ug/kg wet	500.0		100	76.6-127			
1,1,2,2-Tetrachloroethane	499	25	ug/kg wet	500.0		99.9	76.1-126			
1,1,2-Trichloroethane	459	25	ug/kg wet	500.0		91.7	70.4-131			
1,1-Dichloroethane	508	25	ug/kg wet	500.0		102	77.6-132			
1,1-Dichloroethene	539	25	ug/kg wet	500.0		108	61.5-154			
1,2,3-Trichlorobenzene	511	25	ug/kg wet	500.0		102	64.4-142			
1,2,4-Trichlorobenzene	506	25	ug/kg wet	500.0		101	75.7-130			
1,2,4-Trimethylbenzene	500	25	ug/kg wet	500.0		100	80.5-121			
1,2-Dichlorobenzene	492	25	ug/kg wet	500.0		98.4	85.4-118			
1,2-Dichloroethane	497	25	ug/kg wet	500.0		99.5	77.4-121			
1,3,5-Trimethylbenzene	505	25	ug/kg wet	500.0		101	81.3-118			
1,3-Dichlorobenzene	460	25	ug/kg wet	500.0		91.9	87.4-113			
1,4-Dichlorobenzene	501	25	ug/kg wet	500.0		100	85.9-117			
2-Chlorotoluene	504	25	ug/kg wet	500.0		101	77.5-121			
4-Chlorotoluene	513	25	ug/kg wet	500.0		103	81.5-118			
Benzene	485	25	ug/kg wet	500.0		97.0	78.7-123			
Carbon tetrachloride	496	25	ug/kg wet	500.0		99.2	70.7-126			
Chlorobenzene	511	25	ug/kg wet	500.0		102	85.7-117			
Chloroform	487	25	ug/kg wet	500.0		97.3	76.5-122			
Chloromethane	589	50	ug/kg wet	500.0		118	23.2-199			
cis-1,2-Dichloroethene	467	25	ug/kg wet	500.0		93.3	83.2-121			
Ethylbenzene	511	25	ug/kg wet	500.0		102	77.6-125			
Isopropylbenzene	527	25	ug/kg wet	500.0		105	83.3-121			
m,p-Xylene	1030	50	ug/kg wet	1000		103	80.1-121			
Methylene chloride	470	100	ug/kg wet	500.0		94.1	70.6-128			
Naphthalene	538	25	ug/kg wet	500.0		108	49.1-150			
n-Butyl Benzene	529	25	ug/kg wet	500.0		106	82.8-120			
n-Propyl Benzene	506	25	ug/kg wet	500.0		101	76.3-124			
o-Xylene	515	25	ug/kg wet	500.0		103	80.6-122			
p-Isopropyltoluene	475	25	ug/kg wet	500.0		95.0	80.7-122			
sec-Butyl Benzene	497	25	ug/kg wet	500.0		99.3	82.6-119			
Styrene	490	25	ug/kg wet	500.0		97.9	82.1-122			
tert-Butylbenzene	499	25	ug/kg wet	500.0		99.8	78.8-126			
Tetrachloroethene	532	25	ug/kg wet	500.0		106	69.6-130			
Toluene	483	25	ug/kg wet	500.0		96.5	80.7-122			
trans-1,2-Dichloroethene	506	25	ug/kg wet	500.0		101	76-133			
Trichloroethene	512	25	ug/kg wet	500.0		102	78.7-123			
Vinyl chloride	572	25	ug/kg wet	500.0		114	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	470		ug/kg wet	500.0		94.0	60.3-124			
Surrogate: Toluene-d8	469		ug/kg wet	500.0		93.8	63.1-121			
Surrogate: 4-Bromofluorobenzene	520		ug/kg wet	500.0		104	33.2-155			

Matrix Spike (R808021-MS1)

Source: R183304-23

Prepared: 08/17/2018 Analyzed: 08/18/2018 03:19

1,1,1-Trichloroethane	667	31	ug/kg dry	757.0	ND	88.1	63.6-128			
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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808021 - EPA 5030B

Matrix Spike (R808021-MS1)

Source: R183304-23

Prepared: 08/17/2018 Analyzed: 08/18/2018 03:19

1,1,2,2-Tetrachloroethane	663	31	ug/kg dry	757.0	ND	87.5	60.5-123			
1,1,2-Trichloroethane	625	31	ug/kg dry	757.0	ND	82.6	60.1-127			
1,1-Dichloroethane	679	31	ug/kg dry	757.0	ND	89.7	66-132			
1,1-Dichloroethene	678	31	ug/kg dry	757.0	ND	89.6	50.9-149			
1,2,3-Trichlorobenzene	674	31	ug/kg dry	757.0	ND	89.1	54.7-127			
1,2,4-Trichlorobenzene	690	31	ug/kg dry	757.0	ND	91.2	63.7-119			
1,2,4-Trimethylbenzene	676	31	ug/kg dry	757.0	ND	89.3	61.7-130			
1,2-Dichlorobenzene	659	31	ug/kg dry	757.0	ND	87.1	70.6-118			
1,2-Dichloroethane	674	31	ug/kg dry	757.0	ND	89.0	62-121			
1,3,5-Trimethylbenzene	684	31	ug/kg dry	757.0	ND	90.4	65.5-128			
1,3-Dichlorobenzene	625	31	ug/kg dry	757.0	ND	82.6	69.5-119			
1,4-Dichlorobenzene	666	31	ug/kg dry	757.0	ND	88.0	71.8-119			
2-Chlorotoluene	689	31	ug/kg dry	757.0	ND	91.0	65.8-125			
4-Chlorotoluene	683	31	ug/kg dry	757.0	ND	90.3	66-126			
Benzene	655	31	ug/kg dry	757.0	ND	86.5	60.1-129			
Carbon tetrachloride	648	31	ug/kg dry	757.0	ND	85.6	57.4-127			
Chlorobenzene	678	31	ug/kg dry	757.0	ND	89.6	69.7-119			
Chloroform	651	31	ug/kg dry	757.0	ND	85.9	66-122			
Chloromethane	717	62	ug/kg dry	757.0	ND	94.7	11.7-191			
cis-1,2-Dichloroethene	625	31	ug/kg dry	757.0	ND	82.6	65.1-129			
Ethylbenzene	674	31	ug/kg dry	757.0	ND	89.1	66.6-125			
Isopropylbenzene	711	31	ug/kg dry	757.0	ND	94.0	71.3-121			
m,p-Xylene	1370	62	ug/kg dry	1514	ND	90.3	67.4-122			
Methylene chloride	634	120	ug/kg dry	757.0	ND	83.7	58.4-127			
Naphthalene	714	31	ug/kg dry	757.0	ND	94.3	44.3-135			
n-Butyl Benzene	671	31	ug/kg dry	757.0	ND	88.6	68.7-125			
n-Propyl Benzene	681	31	ug/kg dry	757.0	ND	90.0	66.4-129			
o-Xylene	681	31	ug/kg dry	757.0	ND	89.9	66-124			
p-Isopropyltoluene	648	31	ug/kg dry	757.0	ND	85.6	66.3-127			
sec-Butyl Benzene	671	31	ug/kg dry	757.0	ND	88.6	67.2-128			
Styrene	656	31	ug/kg dry	757.0	ND	86.7	68.2-122			
tert-Butylbenzene	686	31	ug/kg dry	757.0	ND	90.7	64.9-133			
Tetrachloroethene	687	31	ug/kg dry	757.0	ND	90.7	55.6-135			
Toluene	641	31	ug/kg dry	757.0	ND	84.7	66.4-125			
trans-1,2-Dichloroethene	652	31	ug/kg dry	757.0	ND	86.1	66.6-134			
Trichloroethene	687	31	ug/kg dry	757.0	20.2	88.1	66.3-125			
Vinyl chloride	680	31	ug/kg dry	757.0	ND	89.8	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	638		<i>ug/kg dry</i>	757.0		84.3	60.3-124			
<i>Surrogate: Toluene-d8</i>	657		<i>ug/kg dry</i>	757.0		86.8	63.1-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	710		<i>ug/kg dry</i>	757.0		93.8	33.2-155			

Matrix Spike Dup (R808021-MSD1)

Source: R183304-23

Prepared: 08/17/2018 Analyzed: 08/18/2018 03:45

1,1,1-Trichloroethane	511	25	ug/kg dry	600.0	ND	85.2	63.6-128	26.4	20	X
1,1,1,2-Tetrachloroethane	517	25	ug/kg dry	600.0	ND	86.1	60.5-123	24.7	20	X



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Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808021 - EPA 5030B

Matrix Spike Dup (R808021-MSD1)

Source: R183304-23

Prepared: 08/17/2018 Analyzed: 08/18/2018 03:45

1,1,2-Trichloroethane	484	25	ug/kg dry	600.0	ND	80.6	60.1-127	25.5	20	X
1,1-Dichloroethane	518	25	ug/kg dry	600.0	ND	86.3	66-132	27.0	20	X
1,1-Dichloroethene	518	25	ug/kg dry	600.0	ND	86.3	50.9-149	26.8	20	X
1,2,3-Trichlorobenzene	539	25	ug/kg dry	600.0	ND	89.9	54.7-127	22.2	20	X
1,2,4-Trichlorobenzene	534	25	ug/kg dry	600.0	ND	89.0	63.7-119	25.5	20	X
1,2,4-Trimethylbenzene	509	25	ug/kg dry	600.0	ND	84.9	61.7-130	28.1	20	X
1,2-Dichlorobenzene	514	25	ug/kg dry	600.0	ND	85.7	70.6-118	24.7	20	X
1,2-Dichloroethane	507	25	ug/kg dry	600.0	ND	84.4	62-121	28.4	20	X
1,3,5-Trimethylbenzene	537	25	ug/kg dry	600.0	ND	89.4	65.5-128	24.2	20	X
1,3-Dichlorobenzene	480	25	ug/kg dry	600.0	ND	80.0	69.5-119	26.3	20	X
1,4-Dichlorobenzene	516	25	ug/kg dry	600.0	ND	86.0	71.8-119	25.4	20	X
2-Chlorotoluene	523	25	ug/kg dry	600.0	ND	87.1	65.8-125	27.5	20	X
4-Chlorotoluene	536	25	ug/kg dry	600.0	ND	89.4	66-126	24.1	20	X
Benzene	493	25	ug/kg dry	600.0	ND	82.1	60.1-129	28.3	20	X
Carbon tetrachloride	510	25	ug/kg dry	600.0	ND	85.0	57.4-127	23.8	20	X
Chlorobenzene	522	25	ug/kg dry	600.0	ND	86.9	69.7-119	26.1	20	X
Chloroform	496	25	ug/kg dry	600.0	ND	82.7	66-122	27.0	20	X
Chloromethane	513	49	ug/kg dry	600.0	ND	85.5	11.7-191	33.1	20	X
cis-1,2-Dichloroethene	490	25	ug/kg dry	600.0	ND	81.7	65.1-129	24.3	20	X
Ethylbenzene	534	25	ug/kg dry	600.0	ND	89.1	66.6-125	23.1	20	X
Isopropylbenzene	534	25	ug/kg dry	600.0	ND	88.9	71.3-121	28.5	20	X
m,p-Xylene	1040	49	ug/kg dry	1200	ND	86.4	67.4-122	27.5	20	X
Methylene chloride	485	98	ug/kg dry	600.0	ND	80.9	58.4-127	26.5	20	X
Naphthalene	563	25	ug/kg dry	600.0	ND	93.9	44.3-135	23.6	20	X
n-Butyl Benzene	526	25	ug/kg dry	600.0	ND	87.7	68.7-125	24.2	20	X
n-Propyl Benzene	512	25	ug/kg dry	600.0	ND	85.4	66.4-129	28.3	20	X
o-Xylene	519	25	ug/kg dry	600.0	ND	86.6	66-124	26.9	20	X
p-Isopropyltoluene	486	25	ug/kg dry	600.0	ND	80.9	66.3-127	28.7	20	X
sec-Butyl Benzene	512	25	ug/kg dry	600.0	ND	85.3	67.2-128	27.0	20	X
Styrene	504	25	ug/kg dry	600.0	ND	83.9	68.2-122	26.3	20	X
tert-Butylbenzene	525	25	ug/kg dry	600.0	ND	87.5	64.9-133	26.6	20	X
Tetrachloroethene	534	25	ug/kg dry	600.0	ND	89.0	55.6-135	25.1	20	X
Toluene	484	25	ug/kg dry	600.0	ND	80.6	66.4-125	28.0	20	X
trans-1,2-Dichloroethene	513	25	ug/kg dry	600.0	ND	85.5	66.6-134	23.9	20	X
Trichloroethene	509	25	ug/kg dry	600.0	20.2	81.4	66.3-125	29.8	20	X
Vinyl chloride	555	25	ug/kg dry	600.0	ND	92.5	11.4-190	20.2	20	X
Surrogate: 1-Bromo-2-chloroethane	488		ug/kg dry	600.0		81.3	60.3-124			
Surrogate: Toluene-d8	488		ug/kg dry	600.0		81.3	63.1-121			
Surrogate: 4-Bromofluorobenzene	540		ug/kg dry	600.0		90.1	33.2-155			



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 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808022 - EPA 5030B

Blank (R808022-BLK1)

Prepared: 08/17/2018 Analyzed: 08/18/2018 18:19

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	461		ug/kg wet	500.0		92.1	60.3-124			
Surrogate: Toluene-d8	476		ug/kg wet	500.0		95.1	63.1-121			
Surrogate: 4-Bromofluorobenzene	516		ug/kg wet	500.0		103	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808022 - EPA 5030B

LCS (R808022-BS1)

Prepared: 08/17/2018 Analyzed: 08/18/2018 17:52

1,1,1-Trichloroethane	506	25	ug/kg wet	500.0		101	76.6-127			
1,1,2,2-Tetrachloroethane	507	25	ug/kg wet	500.0		101	76.1-126			
1,1,2-Trichloroethane	468	25	ug/kg wet	500.0		93.5	70.4-131			
1,1-Dichloroethane	513	25	ug/kg wet	500.0		103	77.6-132			
1,1-Dichloroethene	531	25	ug/kg wet	500.0		106	61.5-154			
1,2,3-Trichlorobenzene	529	25	ug/kg wet	500.0		106	64.4-142			
1,2,4-Trichlorobenzene	514	25	ug/kg wet	500.0		103	75.7-130			
1,2,4-Trimethylbenzene	519	25	ug/kg wet	500.0		104	80.5-121			
1,2-Dichlorobenzene	509	25	ug/kg wet	500.0		102	85.4-118			
1,2-Dichloroethane	507	25	ug/kg wet	500.0		101	77.4-121			
1,3,5-Trimethylbenzene	519	25	ug/kg wet	500.0		104	81.3-118			
1,3-Dichlorobenzene	488	25	ug/kg wet	500.0		97.6	87.4-113			
1,4-Dichlorobenzene	484	25	ug/kg wet	500.0		96.8	85.9-117			
2-Chlorotoluene	516	25	ug/kg wet	500.0		103	77.5-121			
4-Chlorotoluene	528	25	ug/kg wet	500.0		106	81.5-118			
Benzene	488	25	ug/kg wet	500.0		97.6	78.7-123			
Carbon tetrachloride	495	25	ug/kg wet	500.0		99.0	70.7-126			
Chlorobenzene	503	25	ug/kg wet	500.0		101	85.7-117			
Chloroform	482	25	ug/kg wet	500.0		96.4	76.5-122			
Chloromethane	560	50	ug/kg wet	500.0		112	23.2-199			
cis-1,2-Dichloroethene	465	25	ug/kg wet	500.0		92.9	83.2-121			
Ethylbenzene	513	25	ug/kg wet	500.0		103	77.6-125			
Isopropylbenzene	522	25	ug/kg wet	500.0		104	83.3-121			
m,p-Xylene	1030	50	ug/kg wet	1000		103	80.1-121			
Methylene chloride	478	100	ug/kg wet	500.0		95.6	70.6-128			
Naphthalene	537	25	ug/kg wet	500.0		107	49.1-150			
n-Butyl Benzene	514	25	ug/kg wet	500.0		103	82.8-120			
n-Propyl Benzene	524	25	ug/kg wet	500.0		105	76.3-124			
o-Xylene	517	25	ug/kg wet	500.0		103	80.6-122			
p-Isopropyltoluene	479	25	ug/kg wet	500.0		95.9	80.7-122			
sec-Butyl Benzene	513	25	ug/kg wet	500.0		103	82.6-119			
Styrene	494	25	ug/kg wet	500.0		98.8	82.1-122			
tert-Butylbenzene	525	25	ug/kg wet	500.0		105	78.8-126			
Tetrachloroethene	532	25	ug/kg wet	500.0		106	69.6-130			
Toluene	487	25	ug/kg wet	500.0		97.5	80.7-122			
trans-1,2-Dichloroethene	501	25	ug/kg wet	500.0		100	76-133			
Trichloroethene	512	25	ug/kg wet	500.0		102	78.7-123			
Vinyl chloride	538	25	ug/kg wet	500.0		108	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	474		ug/kg wet	500.0		94.8	60.3-124			
Surrogate: Toluene-d8	463		ug/kg wet	500.0		92.6	63.1-121			
Surrogate: 4-Bromofluorobenzene	508		ug/kg wet	500.0		102	33.2-155			

Matrix Spike (R808022-MS1)

Source: R183305-20

Prepared: 08/17/2018 Analyzed: 08/19/2018 10:43

1,1,1-Trichloroethane	419	23	ug/kg dry	556.3	ND	75.3	63.6-128			
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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808022 - EPA 5030B

Matrix Spike (R808022-MS1)	Source: R183305-20	Prepared: 08/17/2018	Analyzed: 08/19/2018 10:43
1,1,2,2-Tetrachloroethane	505	23 ug/kg dry	556.3 ND 90.8 60.5-123
1,1,2-Trichloroethane	456	23 ug/kg dry	556.3 ND 82.0 60.1-127
1,1-Dichloroethane	424	23 ug/kg dry	556.3 ND 76.2 66-132
1,1-Dichloroethene	321	23 ug/kg dry	556.3 ND 57.8 50.9-149
1,2,3-Trichlorobenzene	429	23 ug/kg dry	556.3 ND 77.1 54.7-127
1,2,4-Trichlorobenzene	422	23 ug/kg dry	556.3 ND 75.8 63.7-119
1,2,4-Trimethylbenzene	450	23 ug/kg dry	556.3 ND 80.8 61.7-130
1,2-Dichlorobenzene	448	23 ug/kg dry	556.3 ND 80.6 70.6-118
1,2-Dichloroethane	468	23 ug/kg dry	556.3 ND 84.1 62-121
1,3,5-Trimethylbenzene	442	23 ug/kg dry	556.3 ND 79.5 65.5-128
1,3-Dichlorobenzene	409	23 ug/kg dry	556.3 ND 73.6 69.5-119
1,4-Dichlorobenzene	438	23 ug/kg dry	556.3 ND 78.7 71.8-119
2-Chlorotoluene	451	23 ug/kg dry	556.3 ND 81.1 65.8-125
4-Chlorotoluene	457	23 ug/kg dry	556.3 ND 82.2 66-126
Benzene	419	23 ug/kg dry	556.3 ND 75.3 60.1-129
Carbon tetrachloride	398	23 ug/kg dry	556.3 ND 71.6 57.4-127
Chlorobenzene	473	23 ug/kg dry	556.3 ND 85.1 69.7-119
Chloroform	457	23 ug/kg dry	556.3 ND 82.2 66-122
Chloromethane	187	46 ug/kg dry	556.3 ND 33.7 11.7-191
cis-1,2-Dichloroethene	400	23 ug/kg dry	556.3 ND 71.8 65.1-129
Ethylbenzene	476	23 ug/kg dry	556.3 ND 85.5 66.6-125
Isopropylbenzene	469	23 ug/kg dry	556.3 ND 84.3 71.3-121
m,p-Xylene	935	46 ug/kg dry	1113 ND 84.0 67.4-122
Methylene chloride	390	91 ug/kg dry	556.3 ND 70.2 58.4-127
Naphthalene	480	23 ug/kg dry	556.3 ND 86.4 44.3-135
n-Butyl Benzene	446	23 ug/kg dry	556.3 ND 80.1 68.7-125
n-Propyl Benzene	453	23 ug/kg dry	556.3 ND 81.4 66.4-129
o-Xylene	466	23 ug/kg dry	556.3 ND 83.8 66-124
p-Isopropyltoluene	423	23 ug/kg dry	556.3 ND 75.9 66.3-127
sec-Butyl Benzene	450	23 ug/kg dry	556.3 ND 80.8 67.2-128
Styrene	450	23 ug/kg dry	556.3 ND 80.9 68.2-122
tert-Butylbenzene	462	23 ug/kg dry	556.3 ND 83.1 64.9-133
Tetrachloroethene	452	23 ug/kg dry	556.3 ND 81.2 55.6-135
Toluene	438	23 ug/kg dry	556.3 ND 78.7 66.4-125
trans-1,2-Dichloroethene	421	23 ug/kg dry	556.3 ND 75.6 66.6-134
Trichloroethene	425	23 ug/kg dry	556.3 ND 76.3 66.3-125
Vinyl chloride	280	23 ug/kg dry	556.3 ND 50.3 11.4-190
Surrogate: 1-Bromo-2-chloroethane	437	ug/kg dry	556.3 78.5 60.3-124
Surrogate: Toluene-d8	412	ug/kg dry	556.3 74.0 63.1-121
Surrogate: 4-Bromofluorobenzene	470	ug/kg dry	556.3 84.4 33.2-155

Matrix Spike Dup (R808022-MSD1)	Source: R183305-20	Prepared: 08/17/2018	Analyzed: 08/19/2018 11:09
1,1,1-Trichloroethane	392	22 ug/kg dry	532.1 ND 73.6 63.6-128 6.68 20
1,1,2,2-Tetrachloroethane	480	22 ug/kg dry	532.1 ND 90.2 60.5-123 5.11 20



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808022 - EPA 5030B

Matrix Spike Dup (R808022-MSD1)	Source: R183305-20	Prepared: 08/17/2018	Analyzed: 08/19/2018 11:09
1,1,2-Trichloroethane	438	22 ug/kg dry	532.1 ND 82.3 60.1-127 4.06 20
1,1-Dichloroethane	397	22 ug/kg dry	532.1 ND 74.6 66-132 6.48 20
1,1-Dichloroethene	284	22 ug/kg dry	532.1 ND 53.3 50.9-149 12.5 20
1,2,3-Trichlorobenzene	418	22 ug/kg dry	532.1 ND 78.5 54.7-127 2.72 20
1,2,4-Trichlorobenzene	407	22 ug/kg dry	532.1 ND 76.6 63.7-119 3.45 20
1,2,4-Trimethylbenzene	419	22 ug/kg dry	532.1 ND 78.8 61.7-130 6.97 20
1,2-Dichlorobenzene	424	22 ug/kg dry	532.1 ND 79.7 70.6-118 5.56 20
1,2-Dichloroethane	452	22 ug/kg dry	532.1 ND 84.9 62-121 3.50 20
1,3,5-Trimethylbenzene	418	22 ug/kg dry	532.1 ND 78.5 65.5-128 5.68 20
1,3-Dichlorobenzene	391	22 ug/kg dry	532.1 ND 73.5 69.5-119 4.55 20
1,4-Dichlorobenzene	416	22 ug/kg dry	532.1 ND 78.1 71.8-119 5.25 20
2-Chlorotoluene	433	22 ug/kg dry	532.1 ND 81.3 65.8-125 4.20 20
4-Chlorotoluene	438	22 ug/kg dry	532.1 ND 82.4 66-126 4.21 20
Benzene	395	22 ug/kg dry	532.1 ND 74.2 60.1-129 5.86 20
Carbon tetrachloride	372	22 ug/kg dry	532.1 ND 70.0 57.4-127 6.73 20
Chlorobenzene	448	22 ug/kg dry	532.1 ND 84.2 69.7-119 5.54 20
Chloroform	419	22 ug/kg dry	532.1 ND 78.8 66-122 8.63 20
Chloromethane	167	44 ug/kg dry	532.1 ND 31.4 11.7-191 11.3 20
cis-1,2-Dichloroethene	398	22 ug/kg dry	532.1 ND 74.8 65.1-129 0.428 20
Ethylbenzene	446	22 ug/kg dry	532.1 ND 83.8 66.6-125 6.48 20
Isopropylbenzene	455	22 ug/kg dry	532.1 ND 85.6 71.3-121 2.89 20
m,p-Xylene	884	44 ug/kg dry	1064 ND 83.1 67.4-122 5.60 20
Methylene chloride	372	87 ug/kg dry	532.1 ND 69.9 58.4-127 4.80 20
Naphthalene	461	22 ug/kg dry	532.1 ND 86.6 44.3-135 4.20 20
n-Butyl Benzene	420	22 ug/kg dry	532.1 ND 79.0 68.7-125 5.79 20
n-Propyl Benzene	426	22 ug/kg dry	532.1 ND 80.0 66.4-129 6.11 20
o-Xylene	443	22 ug/kg dry	532.1 ND 83.3 66-124 5.09 20
p-Isopropyltoluene	398	22 ug/kg dry	532.1 ND 74.9 66.3-127 5.88 20
sec-Butyl Benzene	424	22 ug/kg dry	532.1 ND 79.7 67.2-128 5.87 20
Styrene	439	22 ug/kg dry	532.1 ND 82.5 68.2-122 2.52 20
tert-Butylbenzene	442	22 ug/kg dry	532.1 ND 83.1 64.9-133 4.49 20
Tetrachloroethene	412	22 ug/kg dry	532.1 ND 77.4 55.6-135 9.17 20
Toluene	410	22 ug/kg dry	532.1 ND 77.1 66.4-125 6.46 20
trans-1,2-Dichloroethene	382	22 ug/kg dry	532.1 ND 71.8 66.6-134 9.54 20
Trichloroethene	415	22 ug/kg dry	532.1 ND 78.1 66.3-125 2.21 20
Vinyl chloride	225	22 ug/kg dry	532.1 ND 42.3 11.4-190 21.7 20 X
Surrogate: 1-Bromo-2-chloroethane	415	ug/kg dry	532.1 78.0 60.3-124
Surrogate: Toluene-d8	383	ug/kg dry	532.1 71.9 63.1-121
Surrogate: 4-Bromofluorobenzene	454	ug/kg dry	532.1 85.4 33.2-155



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808027 - EPA 5030B

Blank (R808027-BLK1)

Prepared: 08/22/2018 Analyzed: 08/22/2018 12:19

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	467		ug/kg wet	500.0		93.5	60.3-124			
Surrogate: Toluene-d8	471		ug/kg wet	500.0		94.3	63.1-121			
Surrogate: 4-Bromofluorobenzene	487		ug/kg wet	500.0		97.5	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808027 - EPA 5030B

LCS (R808027-BS1)

Prepared: 08/22/2018 Analyzed: 08/22/2018 11:53

1,1,1-Trichloroethane	483	25	ug/kg wet	500.0		96.6	76.6-127			
1,1,2,2-Tetrachloroethane	492	25	ug/kg wet	500.0		98.5	76.1-126			
1,1,2-Trichloroethane	486	25	ug/kg wet	500.0		97.2	70.4-131			
1,1-Dichloroethane	485	25	ug/kg wet	500.0		97.0	77.6-132			
1,1-Dichloroethene	402	25	ug/kg wet	500.0		80.5	61.5-154			
1,2,3-Trichlorobenzene	520	25	ug/kg wet	500.0		104	64.4-142			
1,2,4-Trichlorobenzene	508	25	ug/kg wet	500.0		102	75.7-130			
1,2,4-Trimethylbenzene	492	25	ug/kg wet	500.0		98.4	80.5-121			
1,2-Dichlorobenzene	499	25	ug/kg wet	500.0		99.8	85.4-118			
1,2-Dichloroethane	517	25	ug/kg wet	500.0		103	77.4-121			
1,3,5-Trimethylbenzene	483	25	ug/kg wet	500.0		96.6	81.3-118			
1,3-Dichlorobenzene	518	25	ug/kg wet	500.0		104	87.4-113			
1,4-Dichlorobenzene	494	25	ug/kg wet	500.0		98.8	85.9-117			
2-Chlorotoluene	500	25	ug/kg wet	500.0		100	77.5-121			
4-Chlorotoluene	482	25	ug/kg wet	500.0		96.5	81.5-118			
Benzene	482	25	ug/kg wet	500.0		96.5	78.7-123			
Carbon tetrachloride	474	25	ug/kg wet	500.0		94.8	70.7-126			
Chlorobenzene	503	25	ug/kg wet	500.0		101	85.7-117			
Chloroform	481	25	ug/kg wet	500.0		96.3	76.5-122			
Chloromethane	271	50	ug/kg wet	500.0		54.1	23.2-199			
cis-1,2-Dichloroethene	484	25	ug/kg wet	500.0		96.9	83.2-121			
Ethylbenzene	495	25	ug/kg wet	500.0		99.0	77.6-125			
Isopropylbenzene	500	25	ug/kg wet	500.0		100	83.3-121			
m,p-Xylene	985	50	ug/kg wet	1000		98.5	80.1-121			
Methylene chloride	480	100	ug/kg wet	500.0		96.1	70.6-128			
Naphthalene	517	25	ug/kg wet	500.0		103	49.1-150			
n-Butyl Benzene	512	25	ug/kg wet	500.0		102	82.8-120			
n-Propyl Benzene	493	25	ug/kg wet	500.0		98.5	76.3-124			
o-Xylene	497	25	ug/kg wet	500.0		99.4	80.6-122			
p-Isopropyltoluene	527	25	ug/kg wet	500.0		105	80.7-122			
sec-Butyl Benzene	499	25	ug/kg wet	500.0		99.8	82.6-119			
Styrene	487	25	ug/kg wet	500.0		97.4	82.1-122			
tert-Butylbenzene	491	25	ug/kg wet	500.0		98.3	78.8-126			
Tetrachloroethene	494	25	ug/kg wet	500.0		98.8	69.6-130			
Toluene	488	25	ug/kg wet	500.0		97.6	80.7-122			
trans-1,2-Dichloroethene	453	25	ug/kg wet	500.0		90.6	76-133			
Trichloroethene	489	25	ug/kg wet	500.0		97.9	78.7-123			
Vinyl chloride	308	25	ug/kg wet	500.0		61.6	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	494		ug/kg wet	500.0		98.8	60.3-124			
Surrogate: Toluene-d8	483		ug/kg wet	500.0		96.5	63.1-121			
Surrogate: 4-Bromofluorobenzene	483		ug/kg wet	500.0		96.7	33.2-155			

Matrix Spike (R808027-MS1)

Source: R183403-20

Prepared: 08/22/2018 Analyzed: 08/22/2018 23:47

1,1,1-Trichloroethane	383	23	ug/kg dry	568.4	ND	67.4	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808027 - EPA 5030B

Matrix Spike (R808027-MS1)	Source: R183403-20			Prepared: 08/22/2018 Analyzed: 08/22/2018 23:47						
1,1,2,2-Tetrachloroethane	494	23	ug/kg dry	568.4	ND	86.9	60.5-123			
1,1,2-Trichloroethane	490	23	ug/kg dry	568.4	ND	86.3	60.1-127			
1,1-Dichloroethane	384	23	ug/kg dry	568.4	ND	67.6	66-132			
1,1-Dichloroethene	242	23	ug/kg dry	568.4	ND	42.5	50.9-149			M
1,2,3-Trichlorobenzene	460	23	ug/kg dry	568.4	ND	80.9	54.7-127			
1,2,4-Trichlorobenzene	448	23	ug/kg dry	568.4	ND	78.8	63.7-119			
1,2,4-Trimethylbenzene	442	23	ug/kg dry	568.4	ND	77.8	61.7-130			
1,2-Dichlorobenzene	470	23	ug/kg dry	568.4	ND	82.6	70.6-118			
1,2-Dichloroethane	474	23	ug/kg dry	568.4	ND	83.3	62-121			
1,3,5-Trimethylbenzene	433	23	ug/kg dry	568.4	ND	76.2	65.5-128			
1,3-Dichlorobenzene	460	23	ug/kg dry	568.4	ND	80.9	69.5-119			
1,4-Dichlorobenzene	451	23	ug/kg dry	568.4	ND	79.3	71.8-119			
2-Chlorotoluene	442	23	ug/kg dry	568.4	ND	77.7	65.8-125			
4-Chlorotoluene	442	23	ug/kg dry	568.4	ND	77.8	66-126			
Benzene	419	23	ug/kg dry	568.4	ND	73.8	60.1-129			
Carbon tetrachloride	292	23	ug/kg dry	568.4	ND	51.4	57.4-127			M
Chlorobenzene	463	23	ug/kg dry	568.4	ND	81.4	69.7-119			
Chloroform	438	23	ug/kg dry	568.4	ND	77.1	66-122			
Chloromethane	208	46	ug/kg dry	568.4	215	NR	11.7-191			M1
cis-1,2-Dichloroethene	433	23	ug/kg dry	568.4	ND	76.1	65.1-129			
Ethylbenzene	453	23	ug/kg dry	568.4	ND	79.7	66.6-125			
Isopropylbenzene	452	23	ug/kg dry	568.4	ND	79.5	71.3-121			
m,p-Xylene	900	46	ug/kg dry	1137	ND	79.2	67.4-122			
Methylene chloride	373	91	ug/kg dry	568.4	ND	65.7	58.4-127			
Naphthalene	491	23	ug/kg dry	568.4	ND	86.3	44.3-135			
n-Butyl Benzene	445	23	ug/kg dry	568.4	ND	78.2	68.7-125			
n-Propyl Benzene	436	23	ug/kg dry	568.4	ND	76.7	66.4-129			
o-Xylene	449	23	ug/kg dry	568.4	ND	79.0	66-124			
p-Isopropyltoluene	426	23	ug/kg dry	568.4	ND	75.0	66.3-127			
sec-Butyl Benzene	453	23	ug/kg dry	568.4	ND	79.6	67.2-128			
Styrene	432	23	ug/kg dry	568.4	ND	76.0	68.2-122			
tert-Butylbenzene	446	23	ug/kg dry	568.4	ND	78.4	64.9-133			
Tetrachloroethene	404	23	ug/kg dry	568.4	ND	71.1	55.6-135			
Toluene	431	23	ug/kg dry	568.4	ND	75.8	66.4-125			
trans-1,2-Dichloroethene	451	23	ug/kg dry	568.4	ND	79.3	66.6-134			
Trichloroethene	425	23	ug/kg dry	568.4	34.3	68.7	66.3-125			
Vinyl chloride	71.1	23	ug/kg dry	568.4	ND	12.5	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>461</i>		<i>ug/kg dry</i>	<i>568.4</i>		<i>81.1</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>438</i>		<i>ug/kg dry</i>	<i>568.4</i>		<i>77.1</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>470</i>		<i>ug/kg dry</i>	<i>568.4</i>		<i>82.6</i>	<i>33.2-155</i>			

Matrix Spike Dup (R808027-MSD1)	Source: R183403-20			Prepared: 08/22/2018 Analyzed: 08/23/2018 00:13						
1,1,1-Trichloroethane	426	24	ug/kg dry	592.2	ND	72.0	63.6-128	10.7	20	
1,1,2,2-Tetrachloroethane	526	24	ug/kg dry	592.2	ND	88.9	60.5-123	6.34	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808027 - EPA 5030B

Matrix Spike Dup (R808027-MSD1)	Source: R183403-20	Prepared: 08/22/2018	Analyzed: 08/23/2018 00:13						
1,1,2-Trichloroethane	515	24 ug/kg dry	592.2	ND	86.9	60.1-127	4.86	20	
1,1-Dichloroethane	426	24 ug/kg dry	592.2	ND	71.9	66-132	10.3	20	
1,1-Dichloroethene	296	24 ug/kg dry	592.2	ND	50.0	50.9-149	20.3	20	M, X
1,2,3-Trichlorobenzene	504	24 ug/kg dry	592.2	ND	85.1	54.7-127	9.03	20	
1,2,4-Trichlorobenzene	496	24 ug/kg dry	592.2	ND	83.7	63.7-119	10.2	20	
1,2,4-Trimethylbenzene	498	24 ug/kg dry	592.2	ND	84.1	61.7-130	11.8	20	
1,2-Dichlorobenzene	499	24 ug/kg dry	592.2	ND	84.3	70.6-118	6.06	20	
1,2-Dichloroethane	519	24 ug/kg dry	592.2	ND	87.7	62-121	9.14	20	
1,3,5-Trimethylbenzene	450	24 ug/kg dry	592.2	ND	76.0	65.5-128	3.90	20	
1,3-Dichlorobenzene	482	24 ug/kg dry	592.2	ND	81.4	69.5-119	4.62	20	
1,4-Dichlorobenzene	476	24 ug/kg dry	592.2	ND	80.4	71.8-119	5.45	20	
2-Chlorotoluene	465	24 ug/kg dry	592.2	ND	78.5	65.8-125	5.14	20	
4-Chlorotoluene	472	24 ug/kg dry	592.2	ND	79.7	66-126	6.52	20	
Benzene	460	24 ug/kg dry	592.2	ND	77.7	60.1-129	9.32	20	
Carbon tetrachloride	341	24 ug/kg dry	592.2	ND	57.5	57.4-127	15.4	20	
Chlorobenzene	485	24 ug/kg dry	592.2	ND	81.8	69.7-119	4.64	20	
Chloroform	481	24 ug/kg dry	592.2	ND	81.3	66-122	9.29	20	
Chloromethane	283	47 ug/kg dry	592.2	215	11.4	11.7-191	30.7	20	X, M1
cis-1,2-Dichloroethene	450	24 ug/kg dry	592.2	ND	76.0	65.1-129	3.98	20	
Ethylbenzene	480	24 ug/kg dry	592.2	ND	81.0	66.6-125	5.75	20	
Isopropylbenzene	492	24 ug/kg dry	592.2	ND	83.0	71.3-121	8.39	20	
m,p-Xylene	939	47 ug/kg dry	1184	ND	79.3	67.4-122	4.29	20	
Methylene chloride	416	95 ug/kg dry	592.2	ND	70.3	58.4-127	10.9	20	
Naphthalene	533	24 ug/kg dry	592.2	ND	90.0	44.3-135	8.20	20	
n-Butyl Benzene	471	24 ug/kg dry	592.2	ND	79.5	68.7-125	5.67	20	
n-Propyl Benzene	460	24 ug/kg dry	592.2	ND	77.8	66.4-129	5.47	20	
o-Xylene	471	24 ug/kg dry	592.2	ND	79.5	66-124	4.81	20	
p-Isopropyltoluene	448	24 ug/kg dry	592.2	ND	75.7	66.3-127	5.00	20	
sec-Butyl Benzene	469	24 ug/kg dry	592.2	ND	79.2	67.2-128	3.52	20	
Styrene	461	24 ug/kg dry	592.2	ND	77.9	68.2-122	6.53	20	
tert-Butylbenzene	476	24 ug/kg dry	592.2	ND	80.4	64.9-133	6.58	20	
Tetrachloroethene	438	24 ug/kg dry	592.2	ND	73.9	55.6-135	8.05	20	
Toluene	473	24 ug/kg dry	592.2	ND	79.8	66.4-125	9.21	20	
trans-1,2-Dichloroethene	418	24 ug/kg dry	592.2	ND	70.5	66.6-134	7.61	20	
Trichloroethene	468	24 ug/kg dry	592.2	34.3	73.3	66.3-125	9.76	20	
Vinyl chloride	152	24 ug/kg dry	592.2	ND	25.7	11.4-190	72.5	20	X
Surrogate: 1-Bromo-2-chloroethane	502	ug/kg dry	592.2		84.8	60.3-124			
Surrogate: Toluene-d8	474	ug/kg dry	592.2		80.0	63.1-121			
Surrogate: 4-Bromofluorobenzene	506	ug/kg dry	592.2		85.4	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808028 - EPA 5030B

Blank (R808028-BLK1)

Prepared: 08/22/2018 Analyzed: 08/23/2018 01:06

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	470		ug/kg wet	500.0		94.0	60.3-124			
Surrogate: Toluene-d8	481		ug/kg wet	500.0		96.1	63.1-121			
Surrogate: 4-Bromofluorobenzene	478		ug/kg wet	500.0		95.7	33.2-155			



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808028 - EPA 5030B

LCS (R808028-BS1)

Prepared: 08/22/2018 Analyzed: 08/23/2018 00:39

1,1,1-Trichloroethane	480	25	ug/kg wet	500.0		96.1	76.6-127			
1,1,2,2-Tetrachloroethane	477	25	ug/kg wet	500.0		95.4	76.1-126			
1,1,2-Trichloroethane	492	25	ug/kg wet	500.0		98.4	70.4-131			
1,1-Dichloroethane	463	25	ug/kg wet	500.0		92.5	77.6-132			
1,1-Dichloroethene	423	25	ug/kg wet	500.0		84.5	61.5-154			
1,2,3-Trichlorobenzene	502	25	ug/kg wet	500.0		100	64.4-142			
1,2,4-Trichlorobenzene	498	25	ug/kg wet	500.0		99.5	75.7-130			
1,2,4-Trimethylbenzene	480	25	ug/kg wet	500.0		96.0	80.5-121			
1,2-Dichlorobenzene	488	25	ug/kg wet	500.0		97.5	85.4-118			
1,2-Dichloroethane	506	25	ug/kg wet	500.0		101	77.4-121			
1,3,5-Trimethylbenzene	478	25	ug/kg wet	500.0		95.5	81.3-118			
1,3-Dichlorobenzene	483	25	ug/kg wet	500.0		96.7	87.4-113			
1,4-Dichlorobenzene	497	25	ug/kg wet	500.0		99.4	85.9-117			
2-Chlorotoluene	476	25	ug/kg wet	500.0		95.2	77.5-121			
4-Chlorotoluene	485	25	ug/kg wet	500.0		97.0	81.5-118			
Benzene	481	25	ug/kg wet	500.0		96.2	78.7-123			
Carbon tetrachloride	472	25	ug/kg wet	500.0		94.3	70.7-126			
Chlorobenzene	503	25	ug/kg wet	500.0		101	85.7-117			
Chloroform	470	25	ug/kg wet	500.0		94.0	76.5-122			
Chloromethane	319	50	ug/kg wet	500.0		63.8	23.2-199			
cis-1,2-Dichloroethene	477	25	ug/kg wet	500.0		95.4	83.2-121			
Ethylbenzene	499	25	ug/kg wet	500.0		99.8	77.6-125			
Isopropylbenzene	501	25	ug/kg wet	500.0		100	83.3-121			
m,p-Xylene	989	50	ug/kg wet	1000		98.9	80.1-121			
Methylene chloride	464	100	ug/kg wet	500.0		92.8	70.6-128			
Naphthalene	511	25	ug/kg wet	500.0		102	49.1-150			
n-Butyl Benzene	491	25	ug/kg wet	500.0		98.2	82.8-120			
n-Propyl Benzene	475	25	ug/kg wet	500.0		95.0	76.3-124			
o-Xylene	484	25	ug/kg wet	500.0		96.8	80.6-122			
p-Isopropyltoluene	468	25	ug/kg wet	500.0		93.5	80.7-122			
sec-Butyl Benzene	479	25	ug/kg wet	500.0		95.8	82.6-119			
Styrene	488	25	ug/kg wet	500.0		97.7	82.1-122			
tert-Butylbenzene	474	25	ug/kg wet	500.0		94.9	78.8-126			
Tetrachloroethene	494	25	ug/kg wet	500.0		98.8	69.6-130			
Toluene	474	25	ug/kg wet	500.0		94.8	80.7-122			
trans-1,2-Dichloroethene	454	25	ug/kg wet	500.0		90.7	76-133			
Trichloroethene	477	25	ug/kg wet	500.0		95.3	78.7-123			
Vinyl chloride	333	25	ug/kg wet	500.0		66.5	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	480		ug/kg wet	500.0		95.9	60.3-124			
Surrogate: Toluene-d8	471		ug/kg wet	500.0		94.2	63.1-121			
Surrogate: 4-Bromofluorobenzene	486		ug/kg wet	500.0		97.3	33.2-155			

Matrix Spike (R808028-MS1)

Source: R183403-35

Prepared: 08/22/2018 Analyzed: 08/23/2018 10:48

1,1,1-Trichloroethane	552	26	ug/kg dry	725.1	ND	76.1	63.6-128			
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808028 - EPA 5030B

Matrix Spike (R808028-MS1)	Source: R183403-35			Prepared: 08/22/2018 Analyzed: 08/23/2018 10:48						
1,1,2,2-Tetrachloroethane	599	26	ug/kg dry	725.1	ND	82.7	60.5-123			
1,1,2-Trichloroethane	669	26	ug/kg dry	725.1	ND	92.3	60.1-127			
1,1-Dichloroethane	524	26	ug/kg dry	725.1	ND	72.3	66-132			
1,1-Dichloroethene	391	26	ug/kg dry	725.1	ND	54.0	50.9-149			
1,2,3-Trichlorobenzene	621	26	ug/kg dry	725.1	ND	85.7	54.7-127			
1,2,4-Trichlorobenzene	600	26	ug/kg dry	725.1	ND	82.8	63.7-119			
1,2,4-Trimethylbenzene	551	26	ug/kg dry	725.1	ND	75.9	61.7-130			
1,2-Dichlorobenzene	614	26	ug/kg dry	725.1	ND	84.7	70.6-118			
1,2-Dichloroethane	618	26	ug/kg dry	725.1	ND	85.2	62-121			
1,3,5-Trimethylbenzene	549	26	ug/kg dry	725.1	ND	75.7	65.5-128			
1,3-Dichlorobenzene	587	26	ug/kg dry	725.1	ND	80.9	69.5-119			
1,4-Dichlorobenzene	576	26	ug/kg dry	725.1	ND	79.5	71.8-119			
2-Chlorotoluene	572	26	ug/kg dry	725.1	ND	78.9	65.8-125			
4-Chlorotoluene	566	26	ug/kg dry	725.1	ND	78.1	66-126			
Benzene	556	26	ug/kg dry	725.1	ND	76.7	60.1-129			
Carbon tetrachloride	519	26	ug/kg dry	725.1	ND	71.6	57.4-127			
Chlorobenzene	586	26	ug/kg dry	725.1	ND	80.8	69.7-119			
Chloroform	594	26	ug/kg dry	725.1	ND	81.9	66-122			
Chloromethane	223	52	ug/kg dry	725.1	ND	30.8	11.7-191			
cis-1,2-Dichloroethene	845	26	ug/kg dry	725.1	378	64.3	65.1-129			M
Ethylbenzene	584	26	ug/kg dry	725.1	ND	80.5	66.6-125			
Isopropylbenzene	586	26	ug/kg dry	725.1	ND	80.8	71.3-121			
m,p-Xylene	1140	52	ug/kg dry	1450	ND	78.8	67.4-122			
Methylene chloride	532	100	ug/kg dry	725.1	ND	73.4	58.4-127			
Naphthalene	649	26	ug/kg dry	725.1	ND	89.6	44.3-135			
n-Butyl Benzene	580	26	ug/kg dry	725.1	ND	80.0	68.7-125			
n-Propyl Benzene	560	26	ug/kg dry	725.1	ND	77.3	66.4-129			
o-Xylene	577	26	ug/kg dry	725.1	ND	79.6	66-124			
p-Isopropyltoluene	559	26	ug/kg dry	725.1	ND	77.1	66.3-127			
sec-Butyl Benzene	566	26	ug/kg dry	725.1	ND	78.0	67.2-128			
Styrene	583	26	ug/kg dry	725.1	ND	80.5	68.2-122			
tert-Butylbenzene	551	26	ug/kg dry	725.1	ND	76.0	64.9-133			
Tetrachloroethene	1670	26	ug/kg dry	725.1	1550	17.5	55.6-135			M
Toluene	581	26	ug/kg dry	725.1	ND	80.2	66.4-125			
trans-1,2-Dichloroethene	497	26	ug/kg dry	725.1	ND	68.5	66.6-134			
Trichloroethene	97100	26	ug/kg dry	725.1	127000	NR	66.3-125			M1, E
Vinyl chloride	254	26	ug/kg dry	725.1	ND	35.1	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>591</i>		<i>ug/kg dry</i>	<i>725.1</i>		<i>81.6</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>590</i>		<i>ug/kg dry</i>	<i>725.1</i>		<i>81.4</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>609</i>		<i>ug/kg dry</i>	<i>725.1</i>		<i>84.0</i>	<i>33.2-155</i>			

Matrix Spike Dup (R808028-MSD1)	Source: R183403-35			Prepared: 08/22/2018 Analyzed: 08/23/2018 11:14						
1,1,1-Trichloroethane	507	25	ug/kg dry	690.4	ND	73.5	63.6-128	8.37	20	
1,1,2,2-Tetrachloroethane	581	25	ug/kg dry	690.4	ND	84.2	60.5-123	3.08	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808028 - EPA 5030B

Matrix Spike Dup (R808028-MSD1)	Source: R183403-35	Prepared: 08/22/2018	Analyzed: 08/23/2018 11:14						
1,1,2-Trichloroethane	642	25 ug/kg dry	690.4	ND	93.0	60.1-127	4.16	20	
1,1-Dichloroethane	505	25 ug/kg dry	690.4	ND	73.1	66-132	3.80	20	
1,1-Dichloroethene	354	25 ug/kg dry	690.4	ND	51.3	50.9-149	9.93	20	
1,2,3-Trichlorobenzene	557	25 ug/kg dry	690.4	ND	80.7	54.7-127	10.9	20	
1,2,4-Trichlorobenzene	527	25 ug/kg dry	690.4	ND	76.3	63.7-119	13.1	20	
1,2,4-Trimethylbenzene	498	25 ug/kg dry	690.4	ND	72.1	61.7-130	10.1	20	
1,2-Dichlorobenzene	563	25 ug/kg dry	690.4	ND	81.6	70.6-118	8.58	20	
1,2-Dichloroethane	607	25 ug/kg dry	690.4	ND	87.9	62-121	1.80	20	
1,3,5-Trimethylbenzene	497	25 ug/kg dry	690.4	ND	72.0	65.5-128	9.81	20	
1,3-Dichlorobenzene	523	25 ug/kg dry	690.4	ND	75.7	69.5-119	11.5	20	
1,4-Dichlorobenzene	543	25 ug/kg dry	690.4	ND	78.7	71.8-119	5.90	20	
2-Chlorotoluene	511	25 ug/kg dry	690.4	ND	74.1	65.8-125	11.2	20	
4-Chlorotoluene	501	25 ug/kg dry	690.4	ND	72.5	66-126	12.3	20	
Benzene	524	25 ug/kg dry	690.4	ND	75.9	60.1-129	5.99	20	
Carbon tetrachloride	481	25 ug/kg dry	690.4	ND	69.6	57.4-127	7.66	20	
Chlorobenzene	542	25 ug/kg dry	690.4	ND	78.4	69.7-119	7.80	20	
Chloroform	570	25 ug/kg dry	690.4	ND	82.6	66-122	4.12	20	
Chloromethane	214	50 ug/kg dry	690.4	ND	31.0	11.7-191	4.19	20	
cis-1,2-Dichloroethene	873	25 ug/kg dry	690.4	378	71.7	65.1-129	3.32	20	
Ethylbenzene	522	25 ug/kg dry	690.4	ND	75.6	66.6-125	11.2	20	
Isopropylbenzene	534	25 ug/kg dry	690.4	ND	77.3	71.3-121	9.30	20	
m,p-Xylene	1040	50 ug/kg dry	1381	ND	75.2	67.4-122	9.53	20	
Methylene chloride	487	100 ug/kg dry	690.4	ND	70.6	58.4-127	8.85	20	
Naphthalene	613	25 ug/kg dry	690.4	ND	88.8	44.3-135	5.73	20	
n-Butyl Benzene	529	25 ug/kg dry	690.4	ND	76.7	68.7-125	9.09	20	
n-Propyl Benzene	495	25 ug/kg dry	690.4	ND	71.7	66.4-129	12.4	20	
o-Xylene	514	25 ug/kg dry	690.4	ND	74.4	66-124	11.7	20	
p-Isopropyltoluene	491	25 ug/kg dry	690.4	ND	71.1	66.3-127	12.9	20	
sec-Butyl Benzene	513	25 ug/kg dry	690.4	ND	74.3	67.2-128	9.83	20	
Styrene	548	25 ug/kg dry	690.4	ND	79.4	68.2-122	6.21	20	
tert-Butylbenzene	511	25 ug/kg dry	690.4	ND	74.0	64.9-133	7.56	20	
Tetrachloroethene	1740	25 ug/kg dry	690.4	1550	28.7	55.6-135	4.17	20	M
Toluene	534	25 ug/kg dry	690.4	ND	77.3	66.4-125	8.47	20	
trans-1,2-Dichloroethene	450	25 ug/kg dry	690.4	ND	65.2	66.6-134	9.84	20	M
Trichloroethene	112000	25 ug/kg dry	690.4	127000	NR	66.3-125	14.0	20	M1, E
Vinyl chloride	256	25 ug/kg dry	690.4	ND	37.0	11.4-190	0.568	20	
Surrogate: 1-Bromo-2-chloroethane	564	ug/kg dry	690.4		81.6	60.3-124			
Surrogate: Toluene-d8	540	ug/kg dry	690.4		78.2	63.1-121			
Surrogate: 4-Bromofluorobenzene	564	ug/kg dry	690.4		81.7	33.2-155			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808031 - EPA 5030B

Blank (R808031-BLK1)

Prepared: 08/23/2018 Analyzed: 08/23/2018 15:38

1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trichlorobenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	25	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Xylenes, total	ND	75	ug/kg wet							
Surrogate: 1-Bromo-2-chloroethane	483		ug/kg wet	500.0		96.6	60.3-124			
Surrogate: Toluene-d8	491		ug/kg wet	500.0		98.2	63.1-121			
Surrogate: 4-Bromofluorobenzene	494		ug/kg wet	500.0		98.8	33.2-155			



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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808031 - EPA 5030B

LCS (R808031-BS1)

Prepared: 08/23/2018 Analyzed: 08/23/2018 15:12

1,1,1-Trichloroethane	479	25	ug/kg wet	500.0		95.8	76.6-127			
1,1,2,2-Tetrachloroethane	498	25	ug/kg wet	500.0		99.6	76.1-126			
1,1,2-Trichloroethane	500	25	ug/kg wet	500.0		100	70.4-131			
1,1-Dichloroethane	461	25	ug/kg wet	500.0		92.1	77.6-132			
1,1-Dichloroethene	403	25	ug/kg wet	500.0		80.6	61.5-154			
1,2,3-Trichlorobenzene	512	25	ug/kg wet	500.0		102	64.4-142			
1,2,4-Trichlorobenzene	506	25	ug/kg wet	500.0		101	75.7-130			
1,2,4-Trimethylbenzene	469	25	ug/kg wet	500.0		93.8	80.5-121			
1,2-Dichlorobenzene	496	25	ug/kg wet	500.0		99.3	85.4-118			
1,2-Dichloroethane	502	25	ug/kg wet	500.0		100	77.4-121			
1,3,5-Trimethylbenzene	467	25	ug/kg wet	500.0		93.5	81.3-118			
1,3-Dichlorobenzene	489	25	ug/kg wet	500.0		97.9	87.4-113			
1,4-Dichlorobenzene	488	25	ug/kg wet	500.0		97.5	85.9-117			
2-Chlorotoluene	477	25	ug/kg wet	500.0		95.3	77.5-121			
4-Chlorotoluene	467	25	ug/kg wet	500.0		93.3	81.5-118			
Benzene	471	25	ug/kg wet	500.0		94.2	78.7-123			
Carbon tetrachloride	466	25	ug/kg wet	500.0		93.2	70.7-126			
Chlorobenzene	488	25	ug/kg wet	500.0		97.6	85.7-117			
Chloroform	470	25	ug/kg wet	500.0		94.0	76.5-122			
Chloromethane	251	50	ug/kg wet	500.0		50.2	23.2-199			
cis-1,2-Dichloroethene	472	25	ug/kg wet	500.0		94.5	83.2-121			
Ethylbenzene	485	25	ug/kg wet	500.0		97.1	77.6-125			
Isopropylbenzene	486	25	ug/kg wet	500.0		97.3	83.3-121			
m,p-Xylene	968	50	ug/kg wet	1000		96.8	80.1-121			
Methylene chloride	451	100	ug/kg wet	500.0		90.2	70.6-128			
Naphthalene	518	25	ug/kg wet	500.0		104	49.1-150			
n-Butyl Benzene	487	25	ug/kg wet	500.0		97.4	82.8-120			
n-Propyl Benzene	477	25	ug/kg wet	500.0		95.5	76.3-124			
o-Xylene	486	25	ug/kg wet	500.0		97.2	80.6-122			
p-Isopropyltoluene	472	25	ug/kg wet	500.0		94.4	80.7-122			
sec-Butyl Benzene	484	25	ug/kg wet	500.0		96.8	82.6-119			
Styrene	479	25	ug/kg wet	500.0		95.7	82.1-122			
tert-Butylbenzene	483	25	ug/kg wet	500.0		96.6	78.8-126			
Tetrachloroethene	469	25	ug/kg wet	500.0		93.7	69.6-130			
Toluene	488	25	ug/kg wet	500.0		97.5	80.7-122			
trans-1,2-Dichloroethene	441	25	ug/kg wet	500.0		88.2	76-133			
Trichloroethene	474	25	ug/kg wet	500.0		94.8	78.7-123			
Vinyl chloride	276	25	ug/kg wet	500.0		55.1	31.2-195			
Surrogate: 1-Bromo-2-chloroethane	490		ug/kg wet	500.0		98.1	60.3-124			
Surrogate: Toluene-d8	486		ug/kg wet	500.0		97.2	63.1-121			
Surrogate: 4-Bromofluorobenzene	492		ug/kg wet	500.0		98.4	33.2-155			

Matrix Spike (R808031-MS1)

Source: R183403-45

Prepared: 08/23/2018 Analyzed: 08/23/2018 18:17

1,1,1-Trichloroethane	408	24	ug/kg dry	621.4	ND	65.6	63.6-128			
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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808031 - EPA 5030B

Matrix Spike (R808031-MS1)	Source: R183403-45			Prepared: 08/23/2018 Analyzed: 08/23/2018 18:17						
1,1,2,2-Tetrachloroethane	510	24	ug/kg dry	621.4	ND	82.1	60.5-123			
1,1,2-Trichloroethane	529	24	ug/kg dry	621.4	ND	85.1	60.1-127			
1,1-Dichloroethane	409	24	ug/kg dry	621.4	ND	65.9	66-132			M
1,1-Dichloroethene	246	24	ug/kg dry	621.4	ND	39.5	50.9-149			M
1,2,3-Trichlorobenzene	456	24	ug/kg dry	621.4	ND	73.3	54.7-127			
1,2,4-Trichlorobenzene	455	24	ug/kg dry	621.4	ND	73.2	63.7-119			
1,2,4-Trimethylbenzene	449	24	ug/kg dry	621.4	ND	72.2	61.7-130			
1,2-Dichlorobenzene	498	24	ug/kg dry	621.4	ND	80.1	70.6-118			
1,2-Dichloroethane	500	24	ug/kg dry	621.4	ND	80.4	62-121			
1,3,5-Trimethylbenzene	443	24	ug/kg dry	621.4	ND	71.3	65.5-128			
1,3-Dichlorobenzene	461	24	ug/kg dry	621.4	ND	74.2	69.5-119			
1,4-Dichlorobenzene	476	24	ug/kg dry	621.4	ND	76.6	71.8-119			
2-Chlorotoluene	463	24	ug/kg dry	621.4	ND	74.5	65.8-125			
4-Chlorotoluene	464	24	ug/kg dry	621.4	ND	74.7	66-126			
Benzene	430	24	ug/kg dry	621.4	ND	69.3	60.1-129			
Carbon tetrachloride	358	24	ug/kg dry	621.4	ND	57.6	57.4-127			
Chlorobenzene	489	24	ug/kg dry	621.4	ND	78.8	69.7-119			
Chloroform	480	24	ug/kg dry	621.4	ND	77.2	66-122			
Chloromethane	150	48	ug/kg dry	621.4	ND	24.1	11.7-191			
cis-1,2-Dichloroethene	448	24	ug/kg dry	621.4	ND	72.1	65.1-129			
Ethylbenzene	464	24	ug/kg dry	621.4	ND	74.7	66.6-125			
Isopropylbenzene	484	24	ug/kg dry	621.4	ND	77.8	71.3-121			
m,p-Xylene	923	48	ug/kg dry	1243	ND	74.3	67.4-122			
Methylene chloride	401	96	ug/kg dry	621.4	ND	64.5	58.4-127			
Naphthalene	505	24	ug/kg dry	621.4	ND	81.3	44.3-135			
n-Butyl Benzene	465	24	ug/kg dry	621.4	ND	74.8	68.7-125			
n-Propyl Benzene	453	24	ug/kg dry	621.4	ND	72.9	66.4-129			
o-Xylene	474	24	ug/kg dry	621.4	ND	76.2	66-124			
p-Isopropyltoluene	438	24	ug/kg dry	621.4	ND	70.5	66.3-127			
sec-Butyl Benzene	469	24	ug/kg dry	621.4	ND	75.5	67.2-128			
Styrene	476	24	ug/kg dry	621.4	ND	76.6	68.2-122			
tert-Butylbenzene	473	24	ug/kg dry	621.4	ND	76.0	64.9-133			
Tetrachloroethene	423	24	ug/kg dry	621.4	ND	68.1	55.6-135			
Toluene	473	24	ug/kg dry	621.4	ND	76.1	66.4-125			
trans-1,2-Dichloroethene	747	24	ug/kg dry	621.4	ND	120	66.6-134			
Trichloroethene	436	24	ug/kg dry	621.4	ND	70.1	66.3-125			
Vinyl chloride	133	24	ug/kg dry	621.4	ND	21.4	11.4-190			
<i>Surrogate: 1-Bromo-2-chloroethane</i>	<i>495</i>		<i>ug/kg dry</i>	<i>621.4</i>		<i>79.6</i>	<i>60.3-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>455</i>		<i>ug/kg dry</i>	<i>621.4</i>		<i>73.3</i>	<i>63.1-121</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>500</i>		<i>ug/kg dry</i>	<i>621.4</i>		<i>80.4</i>	<i>33.2-155</i>			

Matrix Spike Dup (R808031-MSD1)	Source: R183403-45			Prepared: 08/23/2018 Analyzed: 08/23/2018 18:43						
1,1,1-Trichloroethane	441	23	ug/kg dry	602.9	ND	73.1	63.6-128	7.77	20	
1,1,2,2-Tetrachloroethane	484	23	ug/kg dry	602.9	ND	80.2	60.5-123	5.33	20	



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Volatile Organic Compounds by Method 8260 - Direct Inject - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808031 - EPA 5030B

Matrix Spike Dup (R808031-MSD1)

Source: R183403-45

Prepared: 08/23/2018 Analyzed: 08/23/2018 18:43

1,1,2-Trichloroethane	530	23	ug/kg dry	602.9	ND	87.9	60.1-127	0.139	20	
1,1-Dichloroethane	441	23	ug/kg dry	602.9	ND	73.1	66-132	7.40	20	
1,1-Dichloroethene	306	23	ug/kg dry	602.9	ND	50.7	50.9-149	21.9	20	X, M
1,2,3-Trichlorobenzene	457	23	ug/kg dry	602.9	ND	75.9	54.7-127	0.408	20	
1,2,4-Trichlorobenzene	451	23	ug/kg dry	602.9	ND	74.9	63.7-119	0.829	20	
1,2,4-Trimethylbenzene	445	23	ug/kg dry	602.9	ND	73.9	61.7-130	0.683	20	
1,2-Dichlorobenzene	478	23	ug/kg dry	602.9	ND	79.3	70.6-118	4.06	20	
1,2-Dichloroethane	507	23	ug/kg dry	602.9	ND	84.1	62-121	1.49	20	
1,3,5-Trimethylbenzene	438	23	ug/kg dry	602.9	ND	72.6	65.5-128	1.17	20	
1,3-Dichlorobenzene	451	23	ug/kg dry	602.9	ND	74.8	69.5-119	2.24	20	
1,4-Dichlorobenzene	461	23	ug/kg dry	602.9	ND	76.5	71.8-119	3.09	20	
2-Chlorotoluene	458	23	ug/kg dry	602.9	ND	76.0	65.8-125	1.06	20	
4-Chlorotoluene	457	23	ug/kg dry	602.9	ND	75.8	66-126	1.49	20	
Benzene	447	23	ug/kg dry	602.9	ND	74.1	60.1-129	3.77	20	
Carbon tetrachloride	386	23	ug/kg dry	602.9	ND	64.0	57.4-127	7.46	20	
Chlorobenzene	487	23	ug/kg dry	602.9	ND	80.8	69.7-119	0.455	20	
Chloroform	494	23	ug/kg dry	602.9	ND	82.0	66-122	2.99	20	
Chloromethane	213	47	ug/kg dry	602.9	ND	35.4	11.7-191	34.8	20	X
cis-1,2-Dichloroethene	460	23	ug/kg dry	602.9	ND	76.2	65.1-129	2.56	20	
Ethylbenzene	469	23	ug/kg dry	602.9	ND	77.8	66.6-125	0.954	20	
Isopropylbenzene	477	23	ug/kg dry	602.9	ND	79.2	71.3-121	1.30	20	
m,p-Xylene	928	47	ug/kg dry	1206	ND	77.0	67.4-122	0.531	20	
Methylene chloride	427	93	ug/kg dry	602.9	ND	70.8	58.4-127	6.22	20	
Naphthalene	499	23	ug/kg dry	602.9	ND	82.8	44.3-135	1.24	20	
n-Butyl Benzene	459	23	ug/kg dry	602.9	ND	76.2	68.7-125	1.22	20	
n-Propyl Benzene	451	23	ug/kg dry	602.9	ND	74.9	66.4-129	0.271	20	
o-Xylene	464	23	ug/kg dry	602.9	ND	76.9	66-124	2.10	20	
p-Isopropyltoluene	442	23	ug/kg dry	602.9	ND	73.2	66.3-127	0.810	20	
sec-Butyl Benzene	459	23	ug/kg dry	602.9	ND	76.2	67.2-128	2.16	20	
Styrene	469	23	ug/kg dry	602.9	ND	77.8	68.2-122	1.47	20	
tert-Butylbenzene	471	23	ug/kg dry	602.9	ND	78.1	64.9-133	0.393	20	
Tetrachloroethene	445	23	ug/kg dry	602.9	ND	73.8	55.6-135	5.06	20	
Toluene	466	23	ug/kg dry	602.9	ND	77.3	66.4-125	1.41	20	
trans-1,2-Dichloroethene	551	23	ug/kg dry	602.9	ND	91.4	66.6-134	30.1	20	X
Trichloroethene	453	23	ug/kg dry	602.9	ND	75.2	66.3-125	3.99	20	
Vinyl chloride	188	23	ug/kg dry	602.9	ND	31.3	11.4-190	34.5	20	X
Surrogate: 1-Bromo-2-chloroethane	487		ug/kg dry	602.9		80.8	60.3-124			
Surrogate: Toluene-d8	457		ug/kg dry	602.9		75.8	63.1-121			
Surrogate: 4-Bromofluorobenzene	507		ug/kg dry	602.9		84.1	33.2-155			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808001 - EPA 5030B

Blank (R808001-BLK1)

Prepared: 08/06/2018 Analyzed: 08/06/2018 10:39

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.96		ug/kg	10.42		95.6	70.8-139			
Surrogate: Toluene-d8	9.65		ug/kg	10.42		92.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	9.59		ug/kg	10.42		92.0	71.4-118			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808001 - EPA 5030B

LCS (R808001-BS1)

Prepared: 08/06/2018 Analyzed: 08/06/2018 08:13

1,1,1-Trichloroethane	5.05	0.50	ug/kg	5.000		101	68.9-152			
1,1,2,2-Tetrachloroethane	5.20	0.50	ug/kg	5.000		104	66.3-131			
1,1,2-Trichloroethane	4.94	0.50	ug/kg	5.000		98.8	79.2-123			
1,1-Dichloroethane	5.48	0.50	ug/kg	5.000		110	73.2-144			
1,1-Dichloroethene	5.10	0.50	ug/kg	5.000		102	47.7-175			
1,2,3-Trichlorobenzene	5.19	2.0	ug/kg	5.000		104	74-121			
1,2,4-Trichlorobenzene	5.05	2.0	ug/kg	5.000		101	74.6-118			
1,2,4-Trimethylbenzene	4.92	0.50	ug/kg	5.000		98.4	86.3-119			
1,2-Dichlorobenzene	5.17	0.50	ug/kg	5.000		103	87.2-115			
1,2-Dichloroethane	5.08	0.50	ug/kg	5.000		102	72.9-149			
1,3,5-Trimethylbenzene	5.00	0.50	ug/kg	5.000		100	85.7-120			
1,3-Dichlorobenzene	5.14	0.50	ug/kg	5.000		103	88.5-114			
1,4-Dichlorobenzene	4.92	0.50	ug/kg	5.000		98.4	87.5-112			
2-Chlorotoluene	5.14	0.50	ug/kg	5.000		103	86.2-117			
4-Chlorotoluene	4.94	0.50	ug/kg	5.000		98.8	85.8-118			
Benzene	5.22	0.50	ug/kg	5.000		104	78.6-127			
Carbon tetrachloride	5.11	0.50	ug/kg	5.000		102	69.3-140			
Chlorobenzene	4.93	0.50	ug/kg	5.000		98.6	89.7-112			
Chloroform	5.44	0.50	ug/kg	5.000		109	69.9-148			
Chloromethane	5.01	2.0	ug/kg	5.000		100	56.3-169			
cis-1,2-Dichloroethene	5.15	0.50	ug/kg	5.000		103	80.1-124			
Ethylbenzene	4.96	0.50	ug/kg	5.000		99.2	86.3-118			
Isopropylbenzene	5.02	0.50	ug/kg	5.000		100	86.9-117			
m,p-Xylene	9.68	1.0	ug/kg	10.00		96.8	88.5-116			
Methylene chloride	5.10	2.0	ug/kg	5.000		102	67.8-143			
Naphthalene	4.96	5.0	ug/kg	5.000		99.2	46.9-134			
n-Butyl Benzene	5.30	0.50	ug/kg	5.000		106	83.8-119			
n-Propyl Benzene	5.10	0.50	ug/kg	5.000		102	83.4-121			
o-Xylene	4.86	0.50	ug/kg	5.000		97.2	86.1-113			
p-Isopropyltoluene	5.09	0.50	ug/kg	5.000		102	87.4-115			
sec-Butyl Benzene	5.07	0.50	ug/kg	5.000		101	84.9-119			
Styrene	4.84	0.50	ug/kg	5.000		96.8	84.9-117			
tert-Butylbenzene	5.14	0.50	ug/kg	5.000		103	79.1-120			
Tetrachloroethene	4.86	0.50	ug/kg	5.000		97.2	80.5-118			
Toluene	4.63	0.50	ug/kg	5.000		92.6	83.8-115			
trans-1,2-Dichloroethene	5.58	0.50	ug/kg	5.000		112	78.3-128			
Trichloroethene	5.25	0.50	ug/kg	5.000		105	82.6-121			
Vinyl chloride	5.36	0.50	ug/kg	5.000		107	53-177			
Surrogate: Dibromofluoromethane	5.12		ug/kg	5.000		102	70.8-139			
Surrogate: Toluene-d8	5.01		ug/kg	5.000		100	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.97		ug/kg	5.000		99.4	71.4-118			

Matrix Spike (R808001-MS1)

Source: R183201-01

Prepared: 08/06/2018 Analyzed: 08/06/2018 19:43

1,1,1-Trichloroethane	5.62	0.50	ug/kg	5.000	ND	112	68.4-158			
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808001 - EPA 5030B

Matrix Spike (R808001-MS1)	Source: R183201-01			Prepared: 08/06/2018 Analyzed: 08/06/2018 19:43						
1,1,2,2-Tetrachloroethane	5.65	0.50	ug/kg	5.000	ND	113	64.7-135			
1,1,2-Trichloroethane	5.09	0.50	ug/kg	5.000	ND	102	76.2-132			
1,1-Dichloroethane	5.99	0.50	ug/kg	5.000	ND	120	69-149			
1,1-Dichloroethene	5.33	0.50	ug/kg	5.000	ND	107	49.3-178			
1,2,3-Trichlorobenzene	4.39	2.0	ug/kg	5.000	ND	87.8	73.3-124			
1,2,4-Trichlorobenzene	4.46	2.0	ug/kg	5.000	ND	89.2	70.8-121			
1,2,4-Trimethylbenzene	5.24	0.50	ug/kg	5.000	0.160	102	85.3-120			
1,2-Dichlorobenzene	4.95	0.50	ug/kg	5.000	ND	99.0	87.1-115			
1,2-Dichloroethane	5.82	0.50	ug/kg	5.000	ND	116	74-155			
1,3,5-Trimethylbenzene	5.18	0.50	ug/kg	5.000	ND	104	85.3-120			
1,3-Dichlorobenzene	4.97	0.50	ug/kg	5.000	ND	99.4	87.6-115			
1,4-Dichlorobenzene	5.01	0.50	ug/kg	5.000	ND	100	86.3-113			
2-Chlorotoluene	5.34	0.50	ug/kg	5.000	ND	107	86.6-117			
4-Chlorotoluene	5.48	0.50	ug/kg	5.000	ND	110	86.1-119			
Benzene	5.60	0.50	ug/kg	5.000	ND	112	75.1-132			
Carbon tetrachloride	5.45	0.50	ug/kg	5.000	ND	109	71.8-143			
Chlorobenzene	4.72	0.50	ug/kg	5.000	ND	94.4	89.6-112			
Chloroform	5.65	0.50	ug/kg	5.000	ND	113	67.3-154			
Chloromethane	6.19	2.0	ug/kg	5.000	ND	124	54.7-167			
cis-1,2-Dichloroethene	5.33	0.50	ug/kg	5.000	ND	107	73.6-131			
Ethylbenzene	4.97	0.50	ug/kg	5.000	ND	99.4	87.1-117			
Isopropylbenzene	4.82	0.50	ug/kg	5.000	ND	96.4	87.3-117			
m,p-Xylene	9.24	1.0	ug/kg	10.00	0.260	89.8	87.5-116			
Methylene chloride	6.35	2.0	ug/kg	5.000	ND	127	63.1-149			
Naphthalene	4.55	5.0	ug/kg	5.000	0.150	88.0	41.3-137			
n-Butyl Benzene	5.51	0.50	ug/kg	5.000	ND	110	82.1-121			
n-Propyl Benzene	5.42	0.50	ug/kg	5.000	ND	108	83.4-121			
o-Xylene	4.59	0.50	ug/kg	5.000	0.120	89.4	84.5-113			
p-Isopropyltoluene	5.11	0.50	ug/kg	5.000	ND	102	87.3-114			
sec-Butyl Benzene	5.23	0.50	ug/kg	5.000	ND	105	84.9-118			
Styrene	4.66	0.50	ug/kg	5.000	ND	93.2	79.2-121			
tert-Butylbenzene	5.15	0.50	ug/kg	5.000	ND	103	79.3-119			
Tetrachloroethene	5.29	0.50	ug/kg	5.000	0.750	90.8	78.4-121			
Toluene	4.60	0.50	ug/kg	5.000	0.240	87.2	81.7-117			
trans-1,2-Dichloroethene	6.22	0.50	ug/kg	5.000	ND	124	71.3-135			
Trichloroethene	5.22	0.50	ug/kg	5.000	ND	104	70.4-133			
Vinyl chloride	6.81	0.50	ug/kg	5.000	ND	136	55.4-172			
Surrogate: Dibromofluoromethane	5.24		ug/kg	5.000		105	70.8-139			
Surrogate: Toluene-d8	4.66		ug/kg	5.000		93.2	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.70		ug/kg	5.000		94.0	71.4-118			

Matrix Spike Dup (R808001-MSD1)	Source: R183201-01			Prepared: 08/06/2018 Analyzed: 08/06/2018 20:12						
1,1,1-Trichloroethane	5.68	0.50	ug/kg	5.000	ND	114	68.4-158	1.06	20	
1,1,1,2-Tetrachloroethane	5.49	0.50	ug/kg	5.000	ND	110	64.7-135	2.87	20	



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Project: Tell City Investigation
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808001 - EPA 5030B

Matrix Spike Dup (R808001-MSD1)

Source: R183201-01

Prepared: 08/06/2018 Analyzed: 08/06/2018 20:12

1,1,2-Trichloroethane	5.18	0.50	ug/kg	5.000	ND	104	76.2-132	1.75	20	
1,1-Dichloroethane	5.96	0.50	ug/kg	5.000	ND	119	69-149	0.502	20	
1,1-Dichloroethene	5.62	0.50	ug/kg	5.000	ND	112	49.3-178	5.30	20	
1,2,3-Trichlorobenzene	4.42	2.0	ug/kg	5.000	ND	88.4	73.3-124	0.681	20	
1,2,4-Trichlorobenzene	4.26	2.0	ug/kg	5.000	ND	85.2	70.8-121	4.59	20	
1,2,4-Trimethylbenzene	5.05	0.50	ug/kg	5.000	0.160	97.8	85.3-120	3.69	20	
1,2-Dichlorobenzene	4.89	0.50	ug/kg	5.000	ND	97.8	87.1-115	1.22	20	
1,2-Dichloroethane	5.95	0.50	ug/kg	5.000	ND	119	74-155	2.21	20	
1,3,5-Trimethylbenzene	5.18	0.50	ug/kg	5.000	ND	104	85.3-120	0.00	20	
1,3-Dichlorobenzene	4.83	0.50	ug/kg	5.000	ND	96.6	87.6-115	2.86	20	
1,4-Dichlorobenzene	5.00	0.50	ug/kg	5.000	ND	100	86.3-113	0.200	20	
2-Chlorotoluene	5.24	0.50	ug/kg	5.000	ND	105	86.6-117	1.89	20	
4-Chlorotoluene	5.26	0.50	ug/kg	5.000	ND	105	86.1-119	4.10	20	
Benzene	5.71	0.50	ug/kg	5.000	ND	114	75.1-132	1.95	20	
Carbon tetrachloride	5.38	0.50	ug/kg	5.000	ND	108	71.8-143	1.29	20	
Chlorobenzene	4.80	0.50	ug/kg	5.000	ND	96.0	89.6-112	1.68	20	
Chloroform	5.73	0.50	ug/kg	5.000	ND	115	67.3-154	1.41	20	
Chloromethane	6.34	2.0	ug/kg	5.000	ND	127	54.7-167	2.39	20	
cis-1,2-Dichloroethene	5.27	0.50	ug/kg	5.000	ND	105	73.6-131	1.13	20	
Ethylbenzene	5.14	0.50	ug/kg	5.000	ND	103	87.1-117	3.36	20	
Isopropylbenzene	4.99	0.50	ug/kg	5.000	ND	99.8	87.3-117	3.47	20	
m,p-Xylene	9.93	1.0	ug/kg	10.00	0.260	96.7	87.5-116	7.20	20	
Methylene chloride	6.36	2.0	ug/kg	5.000	ND	127	63.1-149	0.157	20	
Naphthalene	4.56	5.0	ug/kg	5.000	0.150	88.2	41.3-137	0.220	20	
n-Butyl Benzene	5.37	0.50	ug/kg	5.000	ND	107	82.1-121	2.57	20	
n-Propyl Benzene	5.34	0.50	ug/kg	5.000	ND	107	83.4-121	1.49	20	
o-Xylene	4.83	0.50	ug/kg	5.000	0.120	94.2	84.5-113	5.10	20	
p-Isopropyltoluene	4.98	0.50	ug/kg	5.000	ND	99.6	87.3-114	2.58	20	
sec-Butyl Benzene	5.15	0.50	ug/kg	5.000	ND	103	84.9-118	1.54	20	
Styrene	4.86	0.50	ug/kg	5.000	ND	97.2	79.2-121	4.20	20	
tert-Butylbenzene	5.07	0.50	ug/kg	5.000	ND	101	79.3-119	1.57	20	
Tetrachloroethene	5.52	0.50	ug/kg	5.000	0.750	95.4	78.4-121	4.26	20	
Toluene	4.72	0.50	ug/kg	5.000	0.240	89.6	81.7-117	2.58	20	
trans-1,2-Dichloroethene	6.15	0.50	ug/kg	5.000	ND	123	71.3-135	1.13	20	
Trichloroethene	5.20	0.50	ug/kg	5.000	ND	104	70.4-133	0.384	20	
Vinyl chloride	6.73	0.50	ug/kg	5.000	ND	135	55.4-172	1.18	20	
Surrogate: Dibromofluoromethane	5.19		ug/kg	5.000		104	70.8-139			
Surrogate: Toluene-d8	4.83		ug/kg	5.000		96.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.87		ug/kg	5.000		97.4	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808002 - EPA 5030B

Blank (R808002-BLK1)

Prepared: 08/07/2018 Analyzed: 08/07/2018 12:34

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.62		ug/kg	10.42		92.3	70.8-139			
Surrogate: Toluene-d8	9.89		ug/kg	10.42		94.9	76.6-116			
Surrogate: 4-Bromofluorobenzene	9.38		ug/kg	10.42		90.0	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808002 - EPA 5030B

LCS (R808002-BS1)

Prepared: 08/07/2018 Analyzed: 08/08/2018 01:04

1,1,1-Trichloroethane	5.34	0.50	ug/kg	5.000		107	68.9-152			
1,1,2,2-Tetrachloroethane	5.41	0.50	ug/kg	5.000		108	66.3-131			
1,1,2-Trichloroethane	5.31	0.50	ug/kg	5.000		106	79.2-123			
1,1-Dichloroethane	5.71	0.50	ug/kg	5.000		114	73.2-144			
1,1-Dichloroethene	5.29	0.50	ug/kg	5.000		106	47.7-175			
1,2,3-Trichlorobenzene	4.79	2.0	ug/kg	5.000		95.8	74-121			
1,2,4-Trichlorobenzene	4.72	2.0	ug/kg	5.000		94.4	74.6-118			
1,2,4-Trimethylbenzene	4.96	0.50	ug/kg	5.000		99.2	86.3-119			
1,2-Dichlorobenzene	4.99	0.50	ug/kg	5.000		99.8	87.2-115			
1,2-Dichloroethane	5.82	0.50	ug/kg	5.000		116	72.9-149			
1,3,5-Trimethylbenzene	5.02	0.50	ug/kg	5.000		100	85.7-120			
1,3-Dichlorobenzene	4.89	0.50	ug/kg	5.000		97.8	88.5-114			
1,4-Dichlorobenzene	4.87	0.50	ug/kg	5.000		97.4	87.5-112			
2-Chlorotoluene	5.08	0.50	ug/kg	5.000		102	86.2-117			
4-Chlorotoluene	5.57	0.50	ug/kg	5.000		111	85.8-118			
Benzene	5.49	0.50	ug/kg	5.000		110	78.6-127			
Carbon tetrachloride	5.28	0.50	ug/kg	5.000		106	69.3-140			
Chlorobenzene	5.15	0.50	ug/kg	5.000		103	89.7-112			
Chloroform	5.48	0.50	ug/kg	5.000		110	69.9-148			
Chloromethane	5.12	2.0	ug/kg	5.000		102	56.3-169			
cis-1,2-Dichloroethene	5.38	0.50	ug/kg	5.000		108	80.1-124			
Ethylbenzene	5.09	0.50	ug/kg	5.000		102	86.3-118			
Isopropylbenzene	5.04	0.50	ug/kg	5.000		101	86.9-117			
m,p-Xylene	10.3	1.0	ug/kg	10.00		103	88.5-116			
Methylene chloride	5.95	2.0	ug/kg	5.000		119	67.8-143			
Naphthalene	4.59	5.0	ug/kg	5.000		91.8	46.9-134			
n-Butyl Benzene	5.01	0.50	ug/kg	5.000		100	83.8-119			
n-Propyl Benzene	5.14	0.50	ug/kg	5.000		103	83.4-121			
o-Xylene	5.01	0.50	ug/kg	5.000		100	86.1-113			
p-Isopropyltoluene	5.03	0.50	ug/kg	5.000		101	87.4-115			
sec-Butyl Benzene	5.08	0.50	ug/kg	5.000		102	84.9-119			
Styrene	5.04	0.50	ug/kg	5.000		101	84.9-117			
tert-Butylbenzene	5.11	0.50	ug/kg	5.000		102	79.1-120			
Tetrachloroethene	4.73	0.50	ug/kg	5.000		94.6	80.5-118			
Toluene	4.80	0.50	ug/kg	5.000		96.0	83.8-115			
trans-1,2-Dichloroethene	5.43	0.50	ug/kg	5.000		109	78.3-128			
Trichloroethene	5.27	0.50	ug/kg	5.000		105	82.6-121			
Vinyl chloride	5.46	0.50	ug/kg	5.000		109	53-177			
Surrogate: Dibromofluoromethane	5.40		ug/kg	5.000		108	70.8-139			
Surrogate: Toluene-d8	5.12		ug/kg	5.000		102	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.07		ug/kg	5.000		101	71.4-118			

Matrix Spike (R808002-MS1)

Source: R183202-01

Prepared: 08/07/2018 Analyzed: 08/07/2018 21:17

1,1,1-Trichloroethane	5.34	0.50	ug/kg	5.000	ND	107	68.4-158			
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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808002 - EPA 5030B

Matrix Spike (R808002-MS1)

Source: R183202-01

Prepared: 08/07/2018 Analyzed: 08/07/2018 21:17

1,1,2,2-Tetrachloroethane	5.18	0.50	ug/kg	5.000	ND	104	64.7-135			
1,1,2-Trichloroethane	5.46	0.50	ug/kg	5.000	ND	109	76.2-132			
1,1-Dichloroethane	5.50	0.50	ug/kg	5.000	ND	110	69-149			
1,1-Dichloroethene	5.19	0.50	ug/kg	5.000	ND	104	49.3-178			
1,2,3-Trichlorobenzene	4.82	2.0	ug/kg	5.000	ND	96.4	73.3-124			
1,2,4-Trichlorobenzene	4.68	2.0	ug/kg	5.000	ND	93.6	70.8-121			
1,2,4-Trimethylbenzene	5.24	0.50	ug/kg	5.000	0.380	97.2	85.3-120			
1,2-Dichlorobenzene	5.00	0.50	ug/kg	5.000	ND	100	87.1-115			
1,2-Dichloroethane	5.27	0.50	ug/kg	5.000	ND	105	74-155			
1,3,5-Trimethylbenzene	4.95	0.50	ug/kg	5.000	0.110	96.8	85.3-120			
1,3-Dichlorobenzene	4.98	0.50	ug/kg	5.000	ND	99.6	87.6-115			
1,4-Dichlorobenzene	4.92	0.50	ug/kg	5.000	ND	98.4	86.3-113			
2-Chlorotoluene	5.15	0.50	ug/kg	5.000	ND	103	86.6-117			
4-Chlorotoluene	4.94	0.50	ug/kg	5.000	ND	98.8	86.1-119			
Benzene	5.30	0.50	ug/kg	5.000	ND	106	75.1-132			
Carbon tetrachloride	5.20	0.50	ug/kg	5.000	ND	104	71.8-143			
Chlorobenzene	5.10	0.50	ug/kg	5.000	ND	102	89.6-112			
Chloroform	5.42	0.50	ug/kg	5.000	ND	108	67.3-154			
Chloromethane	5.34	2.0	ug/kg	5.000	ND	107	54.7-167			
cis-1,2-Dichloroethene	5.21	0.50	ug/kg	5.000	ND	104	73.6-131			
Ethylbenzene	5.15	0.50	ug/kg	5.000	0.130	100	87.1-117			
Isopropylbenzene	5.02	0.50	ug/kg	5.000	ND	100	87.3-117			
m,p-Xylene	10.3	1.0	ug/kg	10.00	0.500	98.4	87.5-116			
Methylene chloride	5.79	2.0	ug/kg	5.000	ND	116	63.1-149			
Naphthalene	4.82	5.0	ug/kg	5.000	0.300	90.4	41.3-137			
n-Butyl Benzene	4.99	0.50	ug/kg	5.000	ND	99.8	82.1-121			
n-Propyl Benzene	5.08	0.50	ug/kg	5.000	ND	102	83.4-121			
o-Xylene	5.03	0.50	ug/kg	5.000	0.240	95.8	84.5-113			
p-Isopropyltoluene	4.92	0.50	ug/kg	5.000	ND	98.4	87.3-114			
sec-Butyl Benzene	5.01	0.50	ug/kg	5.000	ND	100	84.9-118			
Styrene	5.01	0.50	ug/kg	5.000	ND	100	79.2-121			
tert-Butylbenzene	4.98	0.50	ug/kg	5.000	ND	99.6	79.3-119			
Tetrachloroethene	6.88	0.50	ug/kg	5.000	2.74	82.8	78.4-121			
Toluene	5.03	0.50	ug/kg	5.000	0.510	90.4	81.7-117			
trans-1,2-Dichloroethene	5.17	0.50	ug/kg	5.000	ND	103	71.3-135			
Trichloroethene	5.08	0.50	ug/kg	5.000	ND	102	70.4-133			
Vinyl chloride	5.10	0.50	ug/kg	5.000	ND	102	55.4-172			
Surrogate: Dibromofluoromethane	5.23		ug/kg	5.000		105	70.8-139			
Surrogate: Toluene-d8	4.99		ug/kg	5.000		99.8	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.98		ug/kg	5.000		99.6	71.4-118			

Matrix Spike Dup (R808002-MSD1)

Source: R183202-01

Prepared: 08/07/2018 Analyzed: 08/07/2018 21:46

1,1,1-Trichloroethane	5.44	0.50	ug/kg	5.000	ND	109	68.4-158	1.86	20	
1,1,1,2-Tetrachloroethane	5.45	0.50	ug/kg	5.000	ND	109	64.7-135	5.08	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808002 - EPA 5030B

Matrix Spike Dup (R808002-MSD1)	Source: R183202-01			Prepared: 08/07/2018 Analyzed: 08/07/2018 21:46						
1,1,2-Trichloroethane	5.52	0.50	ug/kg	5.000	ND	110	76.2-132	1.09	20	
1,1-Dichloroethane	5.54	0.50	ug/kg	5.000	ND	111	69-149	0.725	20	
1,1-Dichloroethene	5.27	0.50	ug/kg	5.000	ND	105	49.3-178	1.53	20	
1,2,3-Trichlorobenzene	5.05	2.0	ug/kg	5.000	ND	101	73.3-124	4.66	20	
1,2,4-Trichlorobenzene	4.86	2.0	ug/kg	5.000	ND	97.2	70.8-121	3.77	20	
1,2,4-Trimethylbenzene	5.39	0.50	ug/kg	5.000	0.380	100	85.3-120	2.82	20	
1,2-Dichlorobenzene	5.19	0.50	ug/kg	5.000	ND	104	87.1-115	3.73	20	
1,2-Dichloroethane	5.54	0.50	ug/kg	5.000	ND	111	74-155	5.00	20	
1,3,5-Trimethylbenzene	5.23	0.50	ug/kg	5.000	0.110	102	85.3-120	5.50	20	
1,3-Dichlorobenzene	5.12	0.50	ug/kg	5.000	ND	102	87.6-115	2.77	20	
1,4-Dichlorobenzene	5.09	0.50	ug/kg	5.000	ND	102	86.3-113	3.40	20	
2-Chlorotoluene	5.28	0.50	ug/kg	5.000	ND	106	86.6-117	2.49	20	
4-Chlorotoluene	5.25	0.50	ug/kg	5.000	ND	105	86.1-119	6.08	20	
Benzene	5.49	0.50	ug/kg	5.000	ND	110	75.1-132	3.52	20	
Carbon tetrachloride	5.24	0.50	ug/kg	5.000	ND	105	71.8-143	0.766	20	
Chlorobenzene	5.28	0.50	ug/kg	5.000	ND	106	89.6-112	3.47	20	
Chloroform	5.41	0.50	ug/kg	5.000	ND	108	67.3-154	0.185	20	
Chloromethane	5.53	2.0	ug/kg	5.000	ND	111	54.7-167	3.50	20	
cis-1,2-Dichloroethene	5.48	0.50	ug/kg	5.000	ND	110	73.6-131	5.05	20	
Ethylbenzene	5.25	0.50	ug/kg	5.000	0.130	102	87.1-117	1.92	20	
Isopropylbenzene	5.17	0.50	ug/kg	5.000	ND	103	87.3-117	2.94	20	
m,p-Xylene	10.7	1.0	ug/kg	10.00	0.500	102	87.5-116	2.95	20	
Methylene chloride	5.72	2.0	ug/kg	5.000	ND	114	63.1-149	1.22	20	
Naphthalene	5.14	5.0	ug/kg	5.000	0.300	96.8	41.3-137	6.43	20	
n-Butyl Benzene	5.20	0.50	ug/kg	5.000	ND	104	82.1-121	4.12	20	
n-Propyl Benzene	5.25	0.50	ug/kg	5.000	ND	105	83.4-121	3.29	20	
o-Xylene	5.29	0.50	ug/kg	5.000	0.240	101	84.5-113	5.04	20	
p-Isopropyltoluene	5.16	0.50	ug/kg	5.000	ND	103	87.3-114	4.76	20	
sec-Butyl Benzene	5.20	0.50	ug/kg	5.000	ND	104	84.9-118	3.72	20	
Styrene	5.12	0.50	ug/kg	5.000	ND	102	79.2-121	2.17	20	
tert-Butylbenzene	5.18	0.50	ug/kg	5.000	ND	104	79.3-119	3.94	20	
Tetrachloroethene	7.34	0.50	ug/kg	5.000	2.74	92.0	78.4-121	6.47	20	
Toluene	5.28	0.50	ug/kg	5.000	0.510	95.4	81.7-117	4.85	20	
trans-1,2-Dichloroethene	5.35	0.50	ug/kg	5.000	ND	107	71.3-135	3.42	20	
Trichloroethene	5.27	0.50	ug/kg	5.000	ND	105	70.4-133	3.67	20	
Vinyl chloride	5.18	0.50	ug/kg	5.000	ND	104	55.4-172	1.56	20	
Surrogate: Dibromofluoromethane	5.29		ug/kg	5.000		106	70.8-139			
Surrogate: Toluene-d8	5.25		ug/kg	5.000		105	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.13		ug/kg	5.000		103	71.4-118			



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 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808003 - EPA 5030B

Blank (R808003-BLK1)

Prepared: 08/08/2018 Analyzed: 08/08/2018 08:25

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.65		ug/kg	10.42		92.6	70.8-139			
Surrogate: Toluene-d8	9.92		ug/kg	10.42		95.2	76.6-116			
Surrogate: 4-Bromofluorobenzene	9.62		ug/kg	10.42		92.3	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808003 - EPA 5030B

LCS (R808003-BS1)

Prepared: 08/08/2018 Analyzed: 08/08/2018 07:51

1,1,1-Trichloroethane	5.32	0.50	ug/kg	5.000		106	68.9-152			
1,1,2,2-Tetrachloroethane	5.30	0.50	ug/kg	5.000		106	66.3-131			
1,1,2-Trichloroethane	5.44	0.50	ug/kg	5.000		109	79.2-123			
1,1-Dichloroethane	5.66	0.50	ug/kg	5.000		113	73.2-144			
1,1-Dichloroethene	5.30	0.50	ug/kg	5.000		106	47.7-175			
1,2,3-Trichlorobenzene	4.77	2.0	ug/kg	5.000		95.4	74-121			
1,2,4-Trichlorobenzene	5.02	2.0	ug/kg	5.000		100	74.6-118			
1,2,4-Trimethylbenzene	4.97	0.50	ug/kg	5.000		99.4	86.3-119			
1,2-Dichlorobenzene	4.95	0.50	ug/kg	5.000		99.0	87.2-115			
1,2-Dichloroethane	5.39	0.50	ug/kg	5.000		108	72.9-149			
1,3,5-Trimethylbenzene	5.00	0.50	ug/kg	5.000		100	85.7-120			
1,3-Dichlorobenzene	5.07	0.50	ug/kg	5.000		101	88.5-114			
1,4-Dichlorobenzene	5.04	0.50	ug/kg	5.000		101	87.5-112			
2-Chlorotoluene	5.01	0.50	ug/kg	5.000		100	86.2-117			
4-Chlorotoluene	5.11	0.50	ug/kg	5.000		102	85.8-118			
Benzene	5.44	0.50	ug/kg	5.000		109	78.6-127			
Carbon tetrachloride	5.31	0.50	ug/kg	5.000		106	69.3-140			
Chlorobenzene	5.28	0.50	ug/kg	5.000		106	89.7-112			
Chloroform	5.68	0.50	ug/kg	5.000		114	69.9-148			
Chloromethane	5.57	2.0	ug/kg	5.000		111	56.3-169			
cis-1,2-Dichloroethene	5.48	0.50	ug/kg	5.000		110	80.1-124			
Ethylbenzene	5.37	0.50	ug/kg	5.000		107	86.3-118			
Isopropylbenzene	5.31	0.50	ug/kg	5.000		106	86.9-117			
m,p-Xylene	10.5	1.0	ug/kg	10.00		105	88.5-116			
Methylene chloride	5.66	2.0	ug/kg	5.000		113	67.8-143			
Naphthalene	4.77	5.0	ug/kg	5.000		95.4	46.9-134			
n-Butyl Benzene	5.16	0.50	ug/kg	5.000		103	83.8-119			
n-Propyl Benzene	5.33	0.50	ug/kg	5.000		107	83.4-121			
o-Xylene	5.14	0.50	ug/kg	5.000		103	86.1-113			
p-Isopropyltoluene	5.14	0.50	ug/kg	5.000		103	87.4-115			
sec-Butyl Benzene	5.14	0.50	ug/kg	5.000		103	84.9-119			
Styrene	5.33	0.50	ug/kg	5.000		107	84.9-117			
tert-Butylbenzene	5.18	0.50	ug/kg	5.000		104	79.1-120			
Tetrachloroethene	5.19	0.50	ug/kg	5.000		104	80.5-118			
Toluene	5.01	0.50	ug/kg	5.000		100	83.8-115			
trans-1,2-Dichloroethene	5.46	0.50	ug/kg	5.000		109	78.3-128			
Trichloroethene	5.44	0.50	ug/kg	5.000		109	82.6-121			
Vinyl chloride	5.55	0.50	ug/kg	5.000		111	53-177			
Surrogate: Dibromofluoromethane	5.28		ug/kg	5.000		106	70.8-139			
Surrogate: Toluene-d8	5.22		ug/kg	5.000		104	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.13		ug/kg	5.000		103	71.4-118			

Matrix Spike (R808003-MS1)

Source: R183203-01

Prepared: 08/08/2018 Analyzed: 08/08/2018 22:17

1,1,1-Trichloroethane	5.50	0.50	ug/kg	5.000	ND	110	68.4-158			
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808003 - EPA 5030B

Matrix Spike (R808003-MS1)

Source: R183203-01

Prepared: 08/08/2018 Analyzed: 08/08/2018 22:17

1,1,2,2-Tetrachloroethane	5.62	0.50	ug/kg	5.000	ND	112	64.7-135			
1,1,2-Trichloroethane	5.83	0.50	ug/kg	5.000	ND	117	76.2-132			
1,1-Dichloroethane	6.27	0.50	ug/kg	5.000	ND	125	69-149			
1,1-Dichloroethene	5.65	0.50	ug/kg	5.000	ND	113	49.3-178			
1,2,3-Trichlorobenzene	4.72	2.0	ug/kg	5.000	ND	94.4	73.3-124			
1,2,4-Trichlorobenzene	4.71	2.0	ug/kg	5.000	ND	94.2	70.8-121			
1,2,4-Trimethylbenzene	5.21	0.50	ug/kg	5.000	0.220	99.8	85.3-120			
1,2-Dichlorobenzene	5.17	0.50	ug/kg	5.000	ND	103	87.1-115			
1,2-Dichloroethane	6.27	0.50	ug/kg	5.000	ND	125	74-155			
1,3,5-Trimethylbenzene	5.12	0.50	ug/kg	5.000	ND	102	85.3-120			
1,3-Dichlorobenzene	4.98	0.50	ug/kg	5.000	ND	99.6	87.6-115			
1,4-Dichlorobenzene	5.00	0.50	ug/kg	5.000	ND	100	86.3-113			
2-Chlorotoluene	5.41	0.50	ug/kg	5.000	ND	108	86.6-117			
4-Chlorotoluene	5.73	0.50	ug/kg	5.000	ND	115	86.1-119			
Benzene	5.90	0.50	ug/kg	5.000	ND	118	75.1-132			
Carbon tetrachloride	5.54	0.50	ug/kg	5.000	ND	111	71.8-143			
Chlorobenzene	5.30	0.50	ug/kg	5.000	ND	106	89.6-112			
Chloroform	5.97	0.50	ug/kg	5.000	ND	119	67.3-154			
Chloromethane	5.96	2.0	ug/kg	5.000	ND	119	54.7-167			
cis-1,2-Dichloroethene	5.96	0.50	ug/kg	5.000	0.250	114	73.6-131			
Ethylbenzene	5.25	0.50	ug/kg	5.000	ND	105	87.1-117			
Isopropylbenzene	5.06	0.50	ug/kg	5.000	ND	101	87.3-117			
m,p-Xylene	10.4	1.0	ug/kg	10.00	0.390	101	87.5-116			
Methylene chloride	6.41	2.0	ug/kg	5.000	ND	128	63.1-149			
Naphthalene	4.66	5.0	ug/kg	5.000	0.120	90.8	41.3-137			
n-Butyl Benzene	5.11	0.50	ug/kg	5.000	ND	102	82.1-121			
n-Propyl Benzene	5.32	0.50	ug/kg	5.000	ND	106	83.4-121			
o-Xylene	4.89	0.50	ug/kg	5.000	0.150	94.8	84.5-113			
p-Isopropyltoluene	5.03	0.50	ug/kg	5.000	ND	101	87.3-114			
sec-Butyl Benzene	5.24	0.50	ug/kg	5.000	ND	105	84.9-118			
Styrene	4.84	0.50	ug/kg	5.000	ND	96.8	79.2-121			
tert-Butylbenzene	5.17	0.50	ug/kg	5.000	ND	103	79.3-119			
Tetrachloroethene	4.82	0.50	ug/kg	5.000	0.160	93.2	78.4-121			
Toluene	5.04	0.50	ug/kg	5.000	0.240	96.0	81.7-117			
trans-1,2-Dichloroethene	5.57	0.50	ug/kg	5.000	ND	111	71.3-135			
Trichloroethene	5.47	0.50	ug/kg	5.000	ND	109	70.4-133			
Vinyl chloride	5.91	0.50	ug/kg	5.000	ND	118	55.4-172			
Surrogate: Dibromofluoromethane	5.64		ug/kg	5.000		113	70.8-139			
Surrogate: Toluene-d8	5.26		ug/kg	5.000		105	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.04		ug/kg	5.000		101	71.4-118			

Matrix Spike Dup (R808003-MSD1)

Source: R183203-01

Prepared: 08/08/2018 Analyzed: 08/08/2018 22:45

1,1,1-Trichloroethane	5.57	0.50	ug/kg	5.000	ND	111	68.4-158	1.26	20	
1,1,1,2-Tetrachloroethane	5.41	0.50	ug/kg	5.000	ND	108	64.7-135	3.81	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808003 - EPA 5030B

Matrix Spike Dup (R808003-MSD1)

Source: R183203-01

Prepared: 08/08/2018 Analyzed: 08/08/2018 22:45

1,1,2-Trichloroethane	5.79	0.50	ug/kg	5.000	ND	116	76.2-132	0.688	20	
1,1-Dichloroethane	6.24	0.50	ug/kg	5.000	ND	125	69-149	0.480	20	
1,1-Dichloroethene	5.38	0.50	ug/kg	5.000	ND	108	49.3-178	4.90	20	
1,2,3-Trichlorobenzene	4.61	2.0	ug/kg	5.000	ND	92.2	73.3-124	2.36	20	
1,2,4-Trichlorobenzene	4.47	2.0	ug/kg	5.000	ND	89.4	70.8-121	5.23	20	
1,2,4-Trimethylbenzene	4.82	0.50	ug/kg	5.000	0.220	92.0	85.3-120	7.78	20	
1,2-Dichlorobenzene	4.98	0.50	ug/kg	5.000	ND	99.6	87.1-115	3.74	20	
1,2-Dichloroethane	6.21	0.50	ug/kg	5.000	ND	124	74-155	0.962	20	
1,3,5-Trimethylbenzene	4.97	0.50	ug/kg	5.000	ND	99.4	85.3-120	2.97	20	
1,3-Dichlorobenzene	4.77	0.50	ug/kg	5.000	ND	95.4	87.6-115	4.31	20	
1,4-Dichlorobenzene	4.77	0.50	ug/kg	5.000	ND	95.4	86.3-113	4.71	20	
2-Chlorotoluene	5.23	0.50	ug/kg	5.000	ND	105	86.6-117	3.38	20	
4-Chlorotoluene	5.56	0.50	ug/kg	5.000	ND	111	86.1-119	3.01	20	
Benzene	5.82	0.50	ug/kg	5.000	ND	116	75.1-132	1.37	20	
Carbon tetrachloride	5.48	0.50	ug/kg	5.000	ND	110	71.8-143	1.09	20	
Chlorobenzene	5.27	0.50	ug/kg	5.000	ND	105	89.6-112	0.568	20	
Chloroform	6.00	0.50	ug/kg	5.000	ND	120	67.3-154	0.501	20	
Chloromethane	5.74	2.0	ug/kg	5.000	ND	115	54.7-167	3.76	20	
cis-1,2-Dichloroethene	5.92	0.50	ug/kg	5.000	0.250	113	73.6-131	0.673	20	
Ethylbenzene	5.26	0.50	ug/kg	5.000	ND	105	87.1-117	0.190	20	
Isopropylbenzene	5.00	0.50	ug/kg	5.000	ND	100	87.3-117	1.19	20	
m,p-Xylene	10.2	1.0	ug/kg	10.00	0.390	98.5	87.5-116	1.93	20	
Methylene chloride	6.38	2.0	ug/kg	5.000	ND	128	63.1-149	0.469	20	
Naphthalene	4.54	5.0	ug/kg	5.000	0.120	88.4	41.3-137	2.61	20	
n-Butyl Benzene	4.86	0.50	ug/kg	5.000	ND	97.2	82.1-121	5.02	20	
n-Propyl Benzene	5.08	0.50	ug/kg	5.000	ND	102	83.4-121	4.62	20	
o-Xylene	4.97	0.50	ug/kg	5.000	0.150	96.4	84.5-113	1.62	20	
p-Isopropyltoluene	4.91	0.50	ug/kg	5.000	ND	98.2	87.3-114	2.41	20	
sec-Butyl Benzene	4.96	0.50	ug/kg	5.000	ND	99.2	84.9-118	5.49	20	
Styrene	4.90	0.50	ug/kg	5.000	ND	98.0	79.2-121	1.23	20	
tert-Butylbenzene	4.98	0.50	ug/kg	5.000	ND	99.6	79.3-119	3.74	20	
Tetrachloroethene	4.77	0.50	ug/kg	5.000	0.160	92.2	78.4-121	1.04	20	
Toluene	5.02	0.50	ug/kg	5.000	0.240	95.6	81.7-117	0.398	20	
trans-1,2-Dichloroethene	5.82	0.50	ug/kg	5.000	ND	116	71.3-135	4.39	20	
Trichloroethene	5.10	0.50	ug/kg	5.000	ND	102	70.4-133	7.00	20	
Vinyl chloride	6.03	0.50	ug/kg	5.000	ND	121	55.4-172	2.01	20	
Surrogate: Dibromofluoromethane	5.64		ug/kg	5.000		113	70.8-139			
Surrogate: Toluene-d8	5.13		ug/kg	5.000		103	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.97		ug/kg	5.000		99.4	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808004 - EPA 5030B

Blank (R808004-BLK1)

Prepared: 08/09/2018 Analyzed: 08/09/2018 08:14

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.56		ug/kg	10.42		91.7	70.8-139			
Surrogate: Toluene-d8	9.32		ug/kg	10.42		89.4	76.6-116			
Surrogate: 4-Bromofluorobenzene	8.51		ug/kg	10.42		81.7	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808004 - EPA 5030B

LCS (R808004-BS1)

Prepared: 08/09/2018 Analyzed: 08/09/2018 07:45

1,1,1-Trichloroethane	5.07	0.50	ug/kg	5.000		101	68.9-152			
1,1,2,2-Tetrachloroethane	5.35	0.50	ug/kg	5.000		107	66.3-131			
1,1,2-Trichloroethane	4.67	0.50	ug/kg	5.000		93.4	79.2-123			
1,1-Dichloroethane	5.60	0.50	ug/kg	5.000		112	73.2-144			
1,1-Dichloroethene	5.19	0.50	ug/kg	5.000		104	47.7-175			
1,2,3-Trichlorobenzene	4.63	2.0	ug/kg	5.000		92.6	74-121			
1,2,4-Trichlorobenzene	4.55	2.0	ug/kg	5.000		91.0	74.6-118			
1,2,4-Trimethylbenzene	4.87	0.50	ug/kg	5.000		97.4	86.3-119			
1,2-Dichlorobenzene	4.87	0.50	ug/kg	5.000		97.4	87.2-115			
1,2-Dichloroethane	5.27	0.50	ug/kg	5.000		105	72.9-149			
1,3,5-Trimethylbenzene	4.96	0.50	ug/kg	5.000		99.2	85.7-120			
1,3-Dichlorobenzene	4.74	0.50	ug/kg	5.000		94.8	88.5-114			
1,4-Dichlorobenzene	4.74	0.50	ug/kg	5.000		94.8	87.5-112			
2-Chlorotoluene	5.12	0.50	ug/kg	5.000		102	86.2-117			
4-Chlorotoluene	5.14	0.50	ug/kg	5.000		103	85.8-118			
Benzene	5.37	0.50	ug/kg	5.000		107	78.6-127			
Carbon tetrachloride	5.05	0.50	ug/kg	5.000		101	69.3-140			
Chlorobenzene	4.99	0.50	ug/kg	5.000		99.8	89.7-112			
Chloroform	5.28	0.50	ug/kg	5.000		106	69.9-148			
Chloromethane	5.23	2.0	ug/kg	5.000		105	56.3-169			
cis-1,2-Dichloroethene	4.81	0.50	ug/kg	5.000		96.2	80.1-124			
Ethylbenzene	4.99	0.50	ug/kg	5.000		99.8	86.3-118			
Isopropylbenzene	4.95	0.50	ug/kg	5.000		99.0	86.9-117			
m,p-Xylene	9.79	1.0	ug/kg	10.00		97.9	88.5-116			
Methylene chloride	5.33	2.0	ug/kg	5.000		107	67.8-143			
Naphthalene	4.64	5.0	ug/kg	5.000		92.8	46.9-134			
n-Butyl Benzene	5.14	0.50	ug/kg	5.000		103	83.8-119			
n-Propyl Benzene	5.27	0.50	ug/kg	5.000		105	83.4-121			
o-Xylene	4.75	0.50	ug/kg	5.000		95.0	86.1-113			
p-Isopropyltoluene	4.97	0.50	ug/kg	5.000		99.4	87.4-115			
sec-Butyl Benzene	5.24	0.50	ug/kg	5.000		105	84.9-119			
Styrene	4.56	0.50	ug/kg	5.000		91.2	84.9-117			
tert-Butylbenzene	5.01	0.50	ug/kg	5.000		100	79.1-120			
Tetrachloroethene	4.81	0.50	ug/kg	5.000		96.2	80.5-118			
Toluene	4.44	0.50	ug/kg	5.000		88.8	83.8-115			
trans-1,2-Dichloroethene	5.21	0.50	ug/kg	5.000		104	78.3-128			
Trichloroethene	4.95	0.50	ug/kg	5.000		99.0	82.6-121			
Vinyl chloride	5.28	0.50	ug/kg	5.000		106	53-177			
Surrogate: Dibromofluoromethane	5.06		ug/kg	5.000		101	70.8-139			
Surrogate: Toluene-d8	4.76		ug/kg	5.000		95.2	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.42		ug/kg	5.000		88.4	71.4-118			

Matrix Spike (R808004-MS1)

Source: R183204-02

Prepared: 08/09/2018 Analyzed: 08/09/2018 21:18

1,1,1-Trichloroethane	5.37	0.50	ug/kg	5.000	ND	107	68.4-158			
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808004 - EPA 5030B

Matrix Spike (R808004-MS1)	Source: R183204-02			Prepared: 08/09/2018 Analyzed: 08/09/2018 21:18						
1,1,2,2-Tetrachloroethane	5.64	0.50	ug/kg	5.000	ND	113	64.7-135			
1,1,2-Trichloroethane	5.20	0.50	ug/kg	5.000	ND	104	76.2-132			
1,1-Dichloroethane	6.45	0.50	ug/kg	5.000	ND	129	69-149			
1,1-Dichloroethene	5.59	0.50	ug/kg	5.000	ND	112	49.3-178			
1,2,3-Trichlorobenzene	4.43	2.0	ug/kg	5.000	ND	88.6	73.3-124			
1,2,4-Trichlorobenzene	4.26	2.0	ug/kg	5.000	ND	85.2	70.8-121			
1,2,4-Trimethylbenzene	4.89	0.50	ug/kg	5.000	0.210	93.6	85.3-120			
1,2-Dichlorobenzene	4.84	0.50	ug/kg	5.000	ND	96.8	87.1-115			
1,2-Dichloroethane	6.21	0.50	ug/kg	5.000	ND	124	74-155			
1,3,5-Trimethylbenzene	4.89	0.50	ug/kg	5.000	ND	97.8	85.3-120			
1,3-Dichlorobenzene	4.70	0.50	ug/kg	5.000	ND	94.0	87.6-115			
1,4-Dichlorobenzene	4.76	0.50	ug/kg	5.000	ND	95.2	86.3-113			
2-Chlorotoluene	4.99	0.50	ug/kg	5.000	ND	99.8	86.6-117			
4-Chlorotoluene	5.19	0.50	ug/kg	5.000	ND	104	86.1-119			
Benzene	6.04	0.50	ug/kg	5.000	ND	121	75.1-132			
Carbon tetrachloride	5.26	0.50	ug/kg	5.000	ND	105	71.8-143			
Chlorobenzene	5.01	0.50	ug/kg	5.000	ND	100	89.6-112			
Chloroform	5.85	0.50	ug/kg	5.000	ND	117	67.3-154			
Chloromethane	6.00	2.0	ug/kg	5.000	ND	120	54.7-167			
cis-1,2-Dichloroethene	5.66	0.50	ug/kg	5.000	ND	113	73.6-131			
Ethylbenzene	4.95	0.50	ug/kg	5.000	ND	99.0	87.1-117			
Isopropylbenzene	4.66	0.50	ug/kg	5.000	ND	93.2	87.3-117			
m,p-Xylene	9.57	1.0	ug/kg	10.00	0.350	92.2	87.5-116			
Methylene chloride	6.49	2.0	ug/kg	5.000	ND	130	63.1-149			
Naphthalene	4.31	5.0	ug/kg	5.000	0.160	83.0	41.3-137			
n-Butyl Benzene	4.88	0.50	ug/kg	5.000	ND	97.6	82.1-121			
n-Propyl Benzene	5.04	0.50	ug/kg	5.000	ND	101	83.4-121			
o-Xylene	4.59	0.50	ug/kg	5.000	0.140	89.0	84.5-113			
p-Isopropyltoluene	4.78	0.50	ug/kg	5.000	ND	95.6	87.3-114			
sec-Butyl Benzene	4.91	0.50	ug/kg	5.000	ND	98.2	84.9-118			
Styrene	4.45	0.50	ug/kg	5.000	ND	89.0	79.2-121			
tert-Butylbenzene	4.82	0.50	ug/kg	5.000	ND	96.4	79.3-119			
Tetrachloroethene	4.51	0.50	ug/kg	5.000	0.100	88.2	78.4-121			
Toluene	4.54	0.50	ug/kg	5.000	0.200	86.8	81.7-117			
trans-1,2-Dichloroethene	5.24	0.50	ug/kg	5.000	ND	105	71.3-135			
Trichloroethene	4.87	0.50	ug/kg	5.000	ND	97.4	70.4-133			
Vinyl chloride	5.98	0.50	ug/kg	5.000	ND	120	55.4-172			
Surrogate: Dibromofluoromethane	5.51		ug/kg	5.000		110	70.8-139			
Surrogate: Toluene-d8	4.71		ug/kg	5.000		94.2	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.54		ug/kg	5.000		90.8	71.4-118			

Matrix Spike Dup (R808004-MSD1)	Source: R183204-02			Prepared: 08/09/2018 Analyzed: 08/09/2018 21:46						
1,1,1-Trichloroethane	5.19	0.50	ug/kg	5.000	ND	104	68.4-158	3.41	20	
1,1,1,2-Tetrachloroethane	5.90	0.50	ug/kg	5.000	ND	118	64.7-135	4.51	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808004 - EPA 5030B

Matrix Spike Dup (R808004-MSD1)

Source: R183204-02

Prepared: 08/09/2018 Analyzed: 08/09/2018 21:46

1,1,2-Trichloroethane	5.17	0.50	ug/kg	5.000	ND	103	76.2-132	0.579	20	
1,1-Dichloroethane	6.37	0.50	ug/kg	5.000	ND	127	69-149	1.25	20	
1,1-Dichloroethene	5.56	0.50	ug/kg	5.000	ND	111	49.3-178	0.538	20	
1,2,3-Trichlorobenzene	4.41	2.0	ug/kg	5.000	ND	88.2	73.3-124	0.452	20	
1,2,4-Trichlorobenzene	4.34	2.0	ug/kg	5.000	ND	86.8	70.8-121	1.86	20	
1,2,4-Trimethylbenzene	4.96	0.50	ug/kg	5.000	0.210	95.0	85.3-120	1.42	20	
1,2-Dichlorobenzene	4.84	0.50	ug/kg	5.000	ND	96.8	87.1-115	0.00	20	
1,2-Dichloroethane	6.08	0.50	ug/kg	5.000	ND	122	74-155	2.12	20	
1,3,5-Trimethylbenzene	4.90	0.50	ug/kg	5.000	ND	98.0	85.3-120	0.204	20	
1,3-Dichlorobenzene	4.76	0.50	ug/kg	5.000	ND	95.2	87.6-115	1.27	20	
1,4-Dichlorobenzene	4.76	0.50	ug/kg	5.000	ND	95.2	86.3-113	0.00	20	
2-Chlorotoluene	5.18	0.50	ug/kg	5.000	ND	104	86.6-117	3.74	20	
4-Chlorotoluene	5.16	0.50	ug/kg	5.000	ND	103	86.1-119	0.580	20	
Benzene	5.71	0.50	ug/kg	5.000	ND	114	75.1-132	5.62	20	
Carbon tetrachloride	5.16	0.50	ug/kg	5.000	ND	103	71.8-143	1.92	20	
Chlorobenzene	5.08	0.50	ug/kg	5.000	ND	102	89.6-112	1.39	20	
Chloroform	5.72	0.50	ug/kg	5.000	ND	114	67.3-154	2.25	20	
Chloromethane	5.67	2.0	ug/kg	5.000	ND	113	54.7-167	5.66	20	
cis-1,2-Dichloroethene	5.32	0.50	ug/kg	5.000	ND	106	73.6-131	6.19	20	
Ethylbenzene	4.87	0.50	ug/kg	5.000	ND	97.4	87.1-117	1.63	20	
Isopropylbenzene	4.68	0.50	ug/kg	5.000	ND	93.6	87.3-117	0.428	20	
m,p-Xylene	9.53	1.0	ug/kg	10.00	0.350	91.8	87.5-116	0.419	20	
Methylene chloride	6.29	2.0	ug/kg	5.000	ND	126	63.1-149	3.13	20	
Naphthalene	4.71	5.0	ug/kg	5.000	0.160	91.0	41.3-137	8.87	20	
n-Butyl Benzene	4.98	0.50	ug/kg	5.000	ND	99.6	82.1-121	2.03	20	
n-Propyl Benzene	5.11	0.50	ug/kg	5.000	ND	102	83.4-121	1.38	20	
o-Xylene	4.67	0.50	ug/kg	5.000	0.140	90.6	84.5-113	1.73	20	
p-Isopropyltoluene	4.85	0.50	ug/kg	5.000	ND	97.0	87.3-114	1.45	20	
sec-Butyl Benzene	5.03	0.50	ug/kg	5.000	ND	101	84.9-118	2.41	20	
Styrene	4.36	0.50	ug/kg	5.000	ND	87.2	79.2-121	2.04	20	
tert-Butylbenzene	5.03	0.50	ug/kg	5.000	ND	101	79.3-119	4.26	20	
Tetrachloroethene	4.72	0.50	ug/kg	5.000	0.100	92.4	78.4-121	4.55	20	
Toluene	4.41	0.50	ug/kg	5.000	0.200	84.2	81.7-117	2.91	20	
trans-1,2-Dichloroethene	4.97	0.50	ug/kg	5.000	ND	99.4	71.3-135	5.29	20	
Trichloroethene	4.94	0.50	ug/kg	5.000	ND	98.8	70.4-133	1.43	20	
Vinyl chloride	5.85	0.50	ug/kg	5.000	ND	117	55.4-172	2.20	20	
Surrogate: Dibromofluoromethane	5.47		ug/kg	5.000		109	70.8-139			
Surrogate: Toluene-d8	4.66		ug/kg	5.000		93.2	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.49		ug/kg	5.000		89.8	71.4-118			



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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808005 - EPA 5030B

Blank (R808005-BLK1)

Prepared: 08/10/2018 Analyzed: 08/10/2018 08:36

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.97		ug/kg	10.42		95.7	70.8-139			
Surrogate: Toluene-d8	8.65		ug/kg	10.42		83.0	76.6-116			
Surrogate: 4-Bromofluorobenzene	8.33		ug/kg	10.42		79.9	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808005 - EPA 5030B

LCS (R808005-BS1)

Prepared: 08/10/2018 Analyzed: 08/10/2018 09:04

1,1,1-Trichloroethane	5.50	0.50	ug/kg	5.000		110	68.9-152			
1,1,2,2-Tetrachloroethane	5.75	0.50	ug/kg	5.000		115	66.3-131			
1,1,2-Trichloroethane	5.17	0.50	ug/kg	5.000		103	79.2-123			
1,1-Dichloroethane	6.50	0.50	ug/kg	5.000		130	73.2-144			
1,1-Dichloroethene	5.90	0.50	ug/kg	5.000		118	47.7-175			
1,2,3-Trichlorobenzene	4.14	2.0	ug/kg	5.000		82.8	74-121			
1,2,4-Trichlorobenzene	4.13	2.0	ug/kg	5.000		82.6	74.6-118			
1,2,4-Trimethylbenzene	4.66	0.50	ug/kg	5.000		93.2	86.3-119			
1,2-Dichlorobenzene	4.69	0.50	ug/kg	5.000		93.8	87.2-115			
1,2-Dichloroethane	5.83	0.50	ug/kg	5.000		117	72.9-149			
1,3,5-Trimethylbenzene	4.86	0.50	ug/kg	5.000		97.2	85.7-120			
1,3-Dichlorobenzene	4.74	0.50	ug/kg	5.000		94.8	88.5-114			
1,4-Dichlorobenzene	4.74	0.50	ug/kg	5.000		94.8	87.5-112			
2-Chlorotoluene	5.12	0.50	ug/kg	5.000		102	86.2-117			
4-Chlorotoluene	5.02	0.50	ug/kg	5.000		100	85.8-118			
Benzene	5.87	0.50	ug/kg	5.000		117	78.6-127			
Carbon tetrachloride	5.19	0.50	ug/kg	5.000		104	69.3-140			
Chlorobenzene	5.01	0.50	ug/kg	5.000		100	89.7-112			
Chloroform	5.90	0.50	ug/kg	5.000		118	69.9-148			
Chloromethane	6.05	2.0	ug/kg	5.000		121	56.3-169			
cis-1,2-Dichloroethene	5.45	0.50	ug/kg	5.000		109	80.1-124			
Ethylbenzene	4.81	0.50	ug/kg	5.000		96.2	86.3-118			
Isopropylbenzene	4.63	0.50	ug/kg	5.000		92.6	86.9-117			
m,p-Xylene	9.55	1.0	ug/kg	10.00		95.5	88.5-116			
Methylene chloride	6.22	2.0	ug/kg	5.000		124	67.8-143			
Naphthalene	4.18	5.0	ug/kg	5.000		83.6	46.9-134			
n-Butyl Benzene	5.00	0.50	ug/kg	5.000		100	83.8-119			
n-Propyl Benzene	5.20	0.50	ug/kg	5.000		104	83.4-121			
o-Xylene	4.45	0.50	ug/kg	5.000		89.0	86.1-113			
p-Isopropyltoluene	4.80	0.50	ug/kg	5.000		96.0	87.4-115			
sec-Butyl Benzene	4.98	0.50	ug/kg	5.000		99.6	84.9-119			
Styrene	4.48	0.50	ug/kg	5.000		89.6	84.9-117			
tert-Butylbenzene	4.88	0.50	ug/kg	5.000		97.6	79.1-120			
Tetrachloroethene	4.42	0.50	ug/kg	5.000		88.4	80.5-118			
Toluene	4.46	0.50	ug/kg	5.000		89.2	83.8-115			
trans-1,2-Dichloroethene	5.37	0.50	ug/kg	5.000		107	78.3-128			
Trichloroethene	4.98	0.50	ug/kg	5.000		99.6	82.6-121			
Vinyl chloride	6.37	0.50	ug/kg	5.000		127	53-177			
Surrogate: Dibromofluoromethane	5.27		ug/kg	5.000		105	70.8-139			
Surrogate: Toluene-d8	4.73		ug/kg	5.000		94.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.44		ug/kg	5.000		88.8	71.4-118			

Matrix Spike (R808005-MS1)

Source: R183206-01

Prepared: 08/10/2018 Analyzed: 08/10/2018 15:54

1,1,1-Trichloroethane	5.48	0.50	ug/kg	5.000	ND	110	68.4-158			
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Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808005 - EPA 5030B

Matrix Spike (R808005-MS1)	Source: R183206-01			Prepared: 08/10/2018 Analyzed: 08/10/2018 15:54						
1,1,2,2-Tetrachloroethane	6.57	0.50	ug/kg	5.000	ND	131	64.7-135			
1,1,2-Trichloroethane	5.46	0.50	ug/kg	5.000	ND	109	76.2-132			
1,1-Dichloroethane	6.78	0.50	ug/kg	5.000	ND	136	69-149			
1,1-Dichloroethene	5.96	0.50	ug/kg	5.000	ND	119	49.3-178			
1,2,3-Trichlorobenzene	4.35	2.0	ug/kg	5.000	ND	87.0	73.3-124			
1,2,4-Trichlorobenzene	4.19	2.0	ug/kg	5.000	ND	83.8	70.8-121			
1,2,4-Trimethylbenzene	4.97	0.50	ug/kg	5.000	0.200	95.4	85.3-120			
1,2-Dichlorobenzene	4.79	0.50	ug/kg	5.000	ND	95.8	87.1-115			
1,2-Dichloroethane	6.48	0.50	ug/kg	5.000	ND	130	74-155			
1,3,5-Trimethylbenzene	4.96	0.50	ug/kg	5.000	ND	99.2	85.3-120			
1,3-Dichlorobenzene	4.82	0.50	ug/kg	5.000	ND	96.4	87.6-115			
1,4-Dichlorobenzene	4.85	0.50	ug/kg	5.000	ND	97.0	86.3-113			
2-Chlorotoluene	5.42	0.50	ug/kg	5.000	ND	108	86.6-117			
4-Chlorotoluene	5.37	0.50	ug/kg	5.000	ND	107	86.1-119			
Benzene	6.25	0.50	ug/kg	5.000	ND	125	75.1-132			
Carbon tetrachloride	5.49	0.50	ug/kg	5.000	ND	110	71.8-143			
Chlorobenzene	5.19	0.50	ug/kg	5.000	ND	104	89.6-112			
Chloroform	6.21	0.50	ug/kg	5.000	ND	124	67.3-154			
Chloromethane	5.97	2.0	ug/kg	5.000	ND	119	54.7-167			
cis-1,2-Dichloroethene	5.74	0.50	ug/kg	5.000	ND	115	73.6-131			
Ethylbenzene	4.94	0.50	ug/kg	5.000	ND	98.8	87.1-117			
Isopropylbenzene	4.67	0.50	ug/kg	5.000	ND	93.4	87.3-117			
m,p-Xylene	9.69	1.0	ug/kg	10.00	0.260	94.3	87.5-116			
Methylene chloride	6.27	2.0	ug/kg	5.000	ND	125	63.1-149			
Naphthalene	4.68	5.0	ug/kg	5.000	0.190	89.8	41.3-137			
n-Butyl Benzene	5.23	0.50	ug/kg	5.000	ND	105	82.1-121			
n-Propyl Benzene	5.45	0.50	ug/kg	5.000	ND	109	83.4-121			
o-Xylene	4.57	0.50	ug/kg	5.000	0.110	89.2	84.5-113			
p-Isopropyltoluene	4.99	0.50	ug/kg	5.000	ND	99.8	87.3-114			
sec-Butyl Benzene	5.14	0.50	ug/kg	5.000	ND	103	84.9-118			
Styrene	4.46	0.50	ug/kg	5.000	ND	89.2	79.2-121			
tert-Butylbenzene	5.07	0.50	ug/kg	5.000	ND	101	79.3-119			
Tetrachloroethene	5.52	0.50	ug/kg	5.000	1.31	84.2	78.4-121			
Toluene	4.68	0.50	ug/kg	5.000	0.260	88.4	81.7-117			
trans-1,2-Dichloroethene	5.39	0.50	ug/kg	5.000	ND	108	71.3-135			
Trichloroethene	5.09	0.50	ug/kg	5.000	ND	102	70.4-133			
Vinyl chloride	6.46	0.50	ug/kg	5.000	ND	129	55.4-172			
Surrogate: Dibromofluoromethane	5.62		ug/kg	5.000		112	70.8-139			
Surrogate: Toluene-d8	4.58		ug/kg	5.000		91.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.53		ug/kg	5.000		90.6	71.4-118			

Matrix Spike Dup (R808005-MSD1)	Source: R183206-01			Prepared: 08/10/2018 Analyzed: 08/10/2018 16:22						
1,1,1-Trichloroethane	5.71	0.50	ug/kg	5.000	ND	114	68.4-158	4.11	20	
1,1,1,2-Tetrachloroethane	6.53	0.50	ug/kg	5.000	ND	131	64.7-135	0.611	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808005 - EPA 5030B

Matrix Spike Dup (R808005-MSD1)

Source: R183206-01

Prepared: 08/10/2018 Analyzed: 08/10/2018 16:22

1,1,2-Trichloroethane	5.54	0.50	ug/kg	5.000	ND	111	76.2-132	1.45	20	
1,1-Dichloroethane	7.48	0.50	ug/kg	5.000	ND	150	69-149	9.82	20	M
1,1-Dichloroethene	6.70	0.50	ug/kg	5.000	ND	134	49.3-178	11.7	20	
1,2,3-Trichlorobenzene	4.38	2.0	ug/kg	5.000	ND	87.6	73.3-124	0.687	20	
1,2,4-Trichlorobenzene	4.25	2.0	ug/kg	5.000	ND	85.0	70.8-121	1.42	20	
1,2,4-Trimethylbenzene	5.14	0.50	ug/kg	5.000	0.200	98.8	85.3-120	3.36	20	
1,2-Dichlorobenzene	5.04	0.50	ug/kg	5.000	ND	101	87.1-115	5.09	20	
1,2-Dichloroethane	6.80	0.50	ug/kg	5.000	ND	136	74-155	4.82	20	
1,3,5-Trimethylbenzene	5.19	0.50	ug/kg	5.000	ND	104	85.3-120	4.53	20	
1,3-Dichlorobenzene	4.95	0.50	ug/kg	5.000	ND	99.0	87.6-115	2.66	20	
1,4-Dichlorobenzene	4.96	0.50	ug/kg	5.000	ND	99.2	86.3-113	2.24	20	
2-Chlorotoluene	5.43	0.50	ug/kg	5.000	ND	109	86.6-117	0.184	20	
4-Chlorotoluene	5.47	0.50	ug/kg	5.000	ND	109	86.1-119	1.85	20	
Benzene	6.47	0.50	ug/kg	5.000	ND	129	75.1-132	3.46	20	
Carbon tetrachloride	5.56	0.50	ug/kg	5.000	ND	111	71.8-143	1.27	20	
Chlorobenzene	5.06	0.50	ug/kg	5.000	ND	101	89.6-112	2.54	20	
Chloroform	6.40	0.50	ug/kg	5.000	ND	128	67.3-154	3.01	20	
Chloromethane	6.74	2.0	ug/kg	5.000	ND	135	54.7-167	12.1	20	
cis-1,2-Dichloroethene	5.91	0.50	ug/kg	5.000	ND	118	73.6-131	2.92	20	
Ethylbenzene	4.90	0.50	ug/kg	5.000	ND	98.0	87.1-117	0.813	20	
Isopropylbenzene	4.64	0.50	ug/kg	5.000	ND	92.8	87.3-117	0.644	20	
m,p-Xylene	9.66	1.0	ug/kg	10.00	0.260	94.0	87.5-116	0.310	20	
Methylene chloride	6.81	2.0	ug/kg	5.000	ND	136	63.1-149	8.26	20	
Naphthalene	4.53	5.0	ug/kg	5.000	0.190	86.8	41.3-137	3.26	20	
n-Butyl Benzene	5.27	0.50	ug/kg	5.000	ND	105	82.1-121	0.762	20	
n-Propyl Benzene	5.53	0.50	ug/kg	5.000	ND	111	83.4-121	1.46	20	
o-Xylene	4.62	0.50	ug/kg	5.000	0.110	90.2	84.5-113	1.09	20	
p-Isopropyltoluene	4.98	0.50	ug/kg	5.000	ND	99.6	87.3-114	0.201	20	
sec-Butyl Benzene	5.20	0.50	ug/kg	5.000	ND	104	84.9-118	1.16	20	
Styrene	4.52	0.50	ug/kg	5.000	ND	90.4	79.2-121	1.34	20	
tert-Butylbenzene	5.17	0.50	ug/kg	5.000	ND	103	79.3-119	1.95	20	
Tetrachloroethene	5.36	0.50	ug/kg	5.000	1.31	81.0	78.4-121	2.94	20	
Toluene	4.69	0.50	ug/kg	5.000	0.260	88.6	81.7-117	0.213	20	
trans-1,2-Dichloroethene	5.72	0.50	ug/kg	5.000	ND	114	71.3-135	5.94	20	
Trichloroethene	5.14	0.50	ug/kg	5.000	ND	103	70.4-133	0.978	20	
Vinyl chloride	6.55	0.50	ug/kg	5.000	ND	131	55.4-172	1.38	20	
Surrogate: Dibromofluoromethane	5.88		ug/kg	5.000		118	70.8-139			
Surrogate: Toluene-d8	4.75		ug/kg	5.000		95.0	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.66		ug/kg	5.000		93.2	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808025 - EPA 5030B

Blank (R808025-BLK1)

Prepared: 08/20/2018 Analyzed: 08/20/2018 08:42

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	10.3		ug/kg	10.42		99.2	70.8-139			
Surrogate: Toluene-d8	9.51		ug/kg	10.42		91.3	76.6-116			
Surrogate: 4-Bromofluorobenzene	9.27		ug/kg	10.42		89.0	71.4-118			



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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808025 - EPA 5030B

LCS (R808025-BS1)

Prepared: 08/20/2018 Analyzed: 08/20/2018 08:14

1,1,1-Trichloroethane	5.15	0.50	ug/kg	5.000		103	68.9-152			
1,1,2,2-Tetrachloroethane	5.02	0.50	ug/kg	5.000		100	66.3-131			
1,1,2-Trichloroethane	4.59	0.50	ug/kg	5.000		91.8	79.2-123			
1,1-Dichloroethane	5.46	0.50	ug/kg	5.000		109	73.2-144			
1,1-Dichloroethene	5.11	0.50	ug/kg	5.000		102	47.7-175			
1,2,3-Trichlorobenzene	4.43	2.0	ug/kg	5.000		88.6	74-121			
1,2,4-Trichlorobenzene	4.57	2.0	ug/kg	5.000		91.4	74.6-118			
1,2,4-Trimethylbenzene	4.94	0.50	ug/kg	5.000		98.8	86.3-119			
1,2-Dichlorobenzene	4.83	0.50	ug/kg	5.000		96.6	87.2-115			
1,2-Dichloroethane	5.32	0.50	ug/kg	5.000		106	72.9-149			
1,3,5-Trimethylbenzene	5.08	0.50	ug/kg	5.000		102	85.7-120			
1,3-Dichlorobenzene	4.88	0.50	ug/kg	5.000		97.6	88.5-114			
1,4-Dichlorobenzene	4.86	0.50	ug/kg	5.000		97.2	87.5-112			
2-Chlorotoluene	5.19	0.50	ug/kg	5.000		104	86.2-117			
4-Chlorotoluene	5.04	0.50	ug/kg	5.000		101	85.8-118			
Benzene	5.18	0.50	ug/kg	5.000		104	78.6-127			
Carbon tetrachloride	5.25	0.50	ug/kg	5.000		105	69.3-140			
Chlorobenzene	4.96	0.50	ug/kg	5.000		99.2	89.7-112			
Chloroform	5.19	0.50	ug/kg	5.000		104	69.9-148			
Chloromethane	5.56	2.0	ug/kg	5.000		111	56.3-169			
cis-1,2-Dichloroethene	5.34	0.50	ug/kg	5.000		107	80.1-124			
Ethylbenzene	5.02	0.50	ug/kg	5.000		100	86.3-118			
Isopropylbenzene	4.92	0.50	ug/kg	5.000		98.4	86.9-117			
m,p-Xylene	9.62	1.0	ug/kg	10.00		96.2	88.5-116			
Methylene chloride	5.96	2.0	ug/kg	5.000		119	67.8-143			
Naphthalene	4.06	5.0	ug/kg	5.000		81.2	46.9-134			
n-Butyl Benzene	5.15	0.50	ug/kg	5.000		103	83.8-119			
n-Propyl Benzene	5.22	0.50	ug/kg	5.000		104	83.4-121			
o-Xylene	4.85	0.50	ug/kg	5.000		97.0	86.1-113			
p-Isopropyltoluene	5.04	0.50	ug/kg	5.000		101	87.4-115			
sec-Butyl Benzene	5.07	0.50	ug/kg	5.000		101	84.9-119			
Styrene	4.65	0.50	ug/kg	5.000		93.0	84.9-117			
tert-Butylbenzene	5.04	0.50	ug/kg	5.000		101	79.1-120			
Tetrachloroethene	4.62	0.50	ug/kg	5.000		92.4	80.5-118			
Toluene	4.71	0.50	ug/kg	5.000		94.2	83.8-115			
trans-1,2-Dichloroethene	5.15	0.50	ug/kg	5.000		103	78.3-128			
Trichloroethene	4.93	0.50	ug/kg	5.000		98.6	82.6-121			
Vinyl chloride	5.54	0.50	ug/kg	5.000		111	53-177			
Surrogate: Dibromofluoromethane	5.10		ug/kg	5.000		102	70.8-139			
Surrogate: Toluene-d8	4.62		ug/kg	5.000		92.4	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.81		ug/kg	5.000		96.2	71.4-118			

Matrix Spike (R808025-MS1)

Source: R183401-01

Prepared: 08/20/2018 Analyzed: 08/20/2018 16:14

1,1,1-Trichloroethane	5.37	0.50	ug/kg	5.000	ND	107	68.4-158			
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808025 - EPA 5030B

Matrix Spike (R808025-MS1)	Source: R183401-01			Prepared: 08/20/2018 Analyzed: 08/20/2018 16:14						
1,1,2,2-Tetrachloroethane	5.44	0.50	ug/kg	5.000	ND	109	64.7-135			
1,1,2-Trichloroethane	4.68	0.50	ug/kg	5.000	ND	93.6	76.2-132			
1,1-Dichloroethane	5.63	0.50	ug/kg	5.000	ND	113	69-149			
1,1-Dichloroethene	5.75	0.50	ug/kg	5.000	ND	115	49.3-178			
1,2,3-Trichlorobenzene	4.29	2.0	ug/kg	5.000	ND	85.8	73.3-124			
1,2,4-Trichlorobenzene	4.35	2.0	ug/kg	5.000	ND	87.0	70.8-121			
1,2,4-Trimethylbenzene	4.94	0.50	ug/kg	5.000	0.160	95.6	85.3-120			
1,2-Dichlorobenzene	4.60	0.50	ug/kg	5.000	ND	92.0	87.1-115			
1,2-Dichloroethane	5.69	0.50	ug/kg	5.000	ND	114	74-155			
1,3,5-Trimethylbenzene	5.02	0.50	ug/kg	5.000	ND	100	85.3-120			
1,3-Dichlorobenzene	4.71	0.50	ug/kg	5.000	ND	94.2	87.6-115			
1,4-Dichlorobenzene	4.73	0.50	ug/kg	5.000	ND	94.6	86.3-113			
2-Chlorotoluene	4.97	0.50	ug/kg	5.000	ND	99.4	86.6-117			
4-Chlorotoluene	5.03	0.50	ug/kg	5.000	ND	101	86.1-119			
Benzene	5.34	0.50	ug/kg	5.000	ND	107	75.1-132			
Carbon tetrachloride	5.36	0.50	ug/kg	5.000	ND	107	71.8-143			
Chlorobenzene	4.87	0.50	ug/kg	5.000	ND	97.4	89.6-112			
Chloroform	5.27	0.50	ug/kg	5.000	ND	105	67.3-154			
Chloromethane	5.68	2.0	ug/kg	5.000	ND	114	54.7-167			
cis-1,2-Dichloroethene	5.34	0.50	ug/kg	5.000	ND	107	73.6-131			
Ethylbenzene	4.92	0.50	ug/kg	5.000	0.110	96.2	87.1-117			
Isopropylbenzene	4.71	0.50	ug/kg	5.000	ND	94.2	87.3-117			
m,p-Xylene	9.66	1.0	ug/kg	10.00	0.440	92.2	87.5-116			
Methylene chloride	6.39	2.0	ug/kg	5.000	ND	128	63.1-149			
Naphthalene	4.23	5.0	ug/kg	5.000	0.210	80.4	41.3-137			
n-Butyl Benzene	5.05	0.50	ug/kg	5.000	ND	101	82.1-121			
n-Propyl Benzene	5.06	0.50	ug/kg	5.000	ND	101	83.4-121			
o-Xylene	4.71	0.50	ug/kg	5.000	0.180	90.6	84.5-113			
p-Isopropyltoluene	4.92	0.50	ug/kg	5.000	ND	98.4	87.3-114			
sec-Butyl Benzene	4.97	0.50	ug/kg	5.000	ND	99.4	84.9-118			
Styrene	4.71	0.50	ug/kg	5.000	ND	94.2	79.2-121			
tert-Butylbenzene	5.03	0.50	ug/kg	5.000	ND	101	79.3-119			
Tetrachloroethene	4.61	0.50	ug/kg	5.000	0.140	89.4	78.4-121			
Toluene	4.99	0.50	ug/kg	5.000	0.410	91.6	81.7-117			
trans-1,2-Dichloroethene	5.24	0.50	ug/kg	5.000	ND	105	71.3-135			
Trichloroethene	4.48	0.50	ug/kg	5.000	0.150	86.6	70.4-133			
Vinyl chloride	6.03	0.50	ug/kg	5.000	ND	121	55.4-172			
Surrogate: Dibromofluoromethane	5.23		ug/kg	5.000		105	70.8-139			
Surrogate: Toluene-d8	4.63		ug/kg	5.000		92.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.75		ug/kg	5.000		95.0	71.4-118			

Matrix Spike Dup (R808025-MSD1)	Source: R183401-01			Prepared: 08/20/2018 Analyzed: 08/20/2018 16:42						
1,1,1-Trichloroethane	5.27	0.50	ug/kg	5.000	ND	105	68.4-158	1.88	20	
1,1,1,2-Tetrachloroethane	5.35	0.50	ug/kg	5.000	ND	107	64.7-135	1.67	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808025 - EPA 5030B

Matrix Spike Dup (R808025-MSD1)

Source: R183401-01

Prepared: 08/20/2018 Analyzed: 08/20/2018 16:42

1,1,2-Trichloroethane	4.73	0.50	ug/kg	5.000	ND	94.6	76.2-132	1.06	20	
1,1-Dichloroethane	5.74	0.50	ug/kg	5.000	ND	115	69-149	1.93	20	
1,1-Dichloroethene	5.53	0.50	ug/kg	5.000	ND	111	49.3-178	3.90	20	
1,2,3-Trichlorobenzene	4.40	2.0	ug/kg	5.000	ND	88.0	73.3-124	2.53	20	
1,2,4-Trichlorobenzene	4.46	2.0	ug/kg	5.000	ND	89.2	70.8-121	2.50	20	
1,2,4-Trimethylbenzene	5.13	0.50	ug/kg	5.000	0.160	99.4	85.3-120	3.77	20	
1,2-Dichlorobenzene	4.85	0.50	ug/kg	5.000	ND	97.0	87.1-115	5.29	20	
1,2-Dichloroethane	5.65	0.50	ug/kg	5.000	ND	113	74-155	0.705	20	
1,3,5-Trimethylbenzene	5.22	0.50	ug/kg	5.000	ND	104	85.3-120	3.91	20	
1,3-Dichlorobenzene	4.89	0.50	ug/kg	5.000	ND	97.8	87.6-115	3.75	20	
1,4-Dichlorobenzene	4.92	0.50	ug/kg	5.000	ND	98.4	86.3-113	3.94	20	
2-Chlorotoluene	5.36	0.50	ug/kg	5.000	ND	107	86.6-117	7.55	20	
4-Chlorotoluene	5.10	0.50	ug/kg	5.000	ND	102	86.1-119	1.38	20	
Benzene	5.45	0.50	ug/kg	5.000	ND	109	75.1-132	2.04	20	
Carbon tetrachloride	5.17	0.50	ug/kg	5.000	ND	103	71.8-143	3.61	20	
Chlorobenzene	5.21	0.50	ug/kg	5.000	ND	104	89.6-112	6.75	20	
Chloroform	5.36	0.50	ug/kg	5.000	ND	107	67.3-154	1.69	20	
Chloromethane	5.91	2.0	ug/kg	5.000	ND	118	54.7-167	3.97	20	
cis-1,2-Dichloroethene	5.34	0.50	ug/kg	5.000	ND	107	73.6-131	0.00	20	
Ethylbenzene	5.33	0.50	ug/kg	5.000	0.110	104	87.1-117	8.00	20	
Isopropylbenzene	5.11	0.50	ug/kg	5.000	ND	102	87.3-117	8.15	20	
m,p-Xylene	10.7	1.0	ug/kg	10.00	0.440	103	87.5-116	10.1	20	
Methylene chloride	6.70	2.0	ug/kg	5.000	ND	134	63.1-149	4.74	20	
Naphthalene	4.32	5.0	ug/kg	5.000	0.210	82.2	41.3-137	2.11	20	
n-Butyl Benzene	5.30	0.50	ug/kg	5.000	ND	106	82.1-121	4.83	20	
n-Propyl Benzene	5.32	0.50	ug/kg	5.000	ND	106	83.4-121	5.01	20	
o-Xylene	5.03	0.50	ug/kg	5.000	0.180	97.0	84.5-113	6.57	20	
p-Isopropyltoluene	5.12	0.50	ug/kg	5.000	ND	102	87.3-114	3.98	20	
sec-Butyl Benzene	5.30	0.50	ug/kg	5.000	ND	106	84.9-118	6.43	20	
Styrene	5.07	0.50	ug/kg	5.000	ND	101	79.2-121	7.36	20	
tert-Butylbenzene	5.35	0.50	ug/kg	5.000	ND	107	79.3-119	6.17	20	
Tetrachloroethene	4.97	0.50	ug/kg	5.000	0.140	96.6	78.4-121	7.52	20	
Toluene	5.06	0.50	ug/kg	5.000	0.410	93.0	81.7-117	1.39	20	
trans-1,2-Dichloroethene	5.21	0.50	ug/kg	5.000	ND	104	71.3-135	0.574	20	
Trichloroethene	4.60	0.50	ug/kg	5.000	0.150	89.0	70.4-133	2.64	20	
Vinyl chloride	6.10	0.50	ug/kg	5.000	ND	122	55.4-172	1.15	20	
Surrogate: Dibromofluoromethane	5.43		ug/kg	5.000		109	70.8-139			
Surrogate: Toluene-d8	4.69		ug/kg	5.000		93.8	76.6-116			
Surrogate: 4-Bromofluorobenzene	4.99		ug/kg	5.000		99.8	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808026 - EPA 5030B

Blank (R808026-BLK1)

Prepared: 08/21/2018 Analyzed: 08/21/2018 12:31

1,1,1-Trichloroethane	ND	0.50	ug/kg							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/kg							
1,1,2-Trichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethane	ND	0.50	ug/kg							
1,1-Dichloroethene	ND	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trichlorobenzene	ND	2.0	ug/kg							
1,2,4-Trimethylbenzene	ND	0.50	ug/kg							
1,2-Dichlorobenzene	ND	0.50	ug/kg							
1,2-Dichloroethane	ND	0.50	ug/kg							
1,3,5-Trimethylbenzene	ND	0.50	ug/kg							
1,3-Dichlorobenzene	ND	0.50	ug/kg							
1,4-Dichlorobenzene	ND	0.50	ug/kg							
2-Chlorotoluene	ND	0.50	ug/kg							
4-Chlorotoluene	ND	0.50	ug/kg							
Benzene	ND	0.50	ug/kg							
Carbon tetrachloride	ND	0.50	ug/kg							
Chlorobenzene	ND	0.50	ug/kg							
Chloroform	ND	0.50	ug/kg							
Chloromethane	ND	2.0	ug/kg							
cis-1,2-Dichloroethene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	ug/kg							
Isopropylbenzene	ND	0.50	ug/kg							
m,p-Xylene	ND	1.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Butyl Benzene	ND	0.50	ug/kg							
n-Propyl Benzene	ND	0.50	ug/kg							
o-Xylene	ND	0.50	ug/kg							
p-Isopropyltoluene	ND	0.50	ug/kg							
sec-Butyl Benzene	ND	0.50	ug/kg							
Styrene	ND	0.50	ug/kg							
tert-Butylbenzene	ND	0.50	ug/kg							
Tetrachloroethene	ND	0.50	ug/kg							
Toluene	ND	0.50	ug/kg							
trans-1,2-Dichloroethene	ND	0.50	ug/kg							
Trichloroethene	ND	0.50	ug/kg							
Vinyl chloride	ND	0.50	ug/kg							
Xylenes, total	ND	1.5	ug/kg							
Surrogate: Dibromofluoromethane	9.90		ug/kg	10.42		95.0	70.8-139			
Surrogate: Toluene-d8	9.75		ug/kg	10.42		93.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	9.75		ug/kg	10.42		93.6	71.4-118			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808026 - EPA 5030B

LCS (R808026-BS1)

Prepared: 08/21/2018 Analyzed: 08/21/2018 21:08

1,1,1-Trichloroethane	5.50	0.50	ug/kg	5.000		110	68.9-152			
1,1,2,2-Tetrachloroethane	5.12	0.50	ug/kg	5.000		102	66.3-131			
1,1,2-Trichloroethane	5.11	0.50	ug/kg	5.000		102	79.2-123			
1,1-Dichloroethane	5.39	0.50	ug/kg	5.000		108	73.2-144			
1,1-Dichloroethene	5.46	0.50	ug/kg	5.000		109	47.7-175			
1,2,3-Trichlorobenzene	4.54	2.0	ug/kg	5.000		90.8	74-121			
1,2,4-Trichlorobenzene	4.62	2.0	ug/kg	5.000		92.4	74.6-118			
1,2,4-Trimethylbenzene	4.85	0.50	ug/kg	5.000		97.0	86.3-119			
1,2-Dichlorobenzene	4.85	0.50	ug/kg	5.000		97.0	87.2-115			
1,2-Dichloroethane	5.40	0.50	ug/kg	5.000		108	72.9-149			
1,3,5-Trimethylbenzene	5.00	0.50	ug/kg	5.000		100	85.7-120			
1,3-Dichlorobenzene	4.79	0.50	ug/kg	5.000		95.8	88.5-114			
1,4-Dichlorobenzene	4.92	0.50	ug/kg	5.000		98.4	87.5-112			
2-Chlorotoluene	5.25	0.50	ug/kg	5.000		105	86.2-117			
4-Chlorotoluene	4.96	0.50	ug/kg	5.000		99.2	85.8-118			
Benzene	5.00	0.50	ug/kg	5.000		100	78.6-127			
Carbon tetrachloride	5.23	0.50	ug/kg	5.000		105	69.3-140			
Chlorobenzene	5.03	0.50	ug/kg	5.000		101	89.7-112			
Chloroform	5.18	0.50	ug/kg	5.000		104	69.9-148			
Chloromethane	5.62	2.0	ug/kg	5.000		112	56.3-169			
cis-1,2-Dichloroethene	4.91	0.50	ug/kg	5.000		98.2	80.1-124			
Ethylbenzene	4.97	0.50	ug/kg	5.000		99.4	86.3-118			
Isopropylbenzene	5.07	0.50	ug/kg	5.000		101	86.9-117			
m,p-Xylene	9.59	1.0	ug/kg	10.00		95.9	88.5-116			
Methylene chloride	5.63	2.0	ug/kg	5.000		113	67.8-143			
Naphthalene	4.56	5.0	ug/kg	5.000		91.2	46.9-134			
n-Butyl Benzene	5.07	0.50	ug/kg	5.000		101	83.8-119			
n-Propyl Benzene	5.03	0.50	ug/kg	5.000		101	83.4-121			
o-Xylene	4.64	0.50	ug/kg	5.000		92.8	86.1-113			
p-Isopropyltoluene	4.98	0.50	ug/kg	5.000		99.6	87.4-115			
sec-Butyl Benzene	5.16	0.50	ug/kg	5.000		103	84.9-119			
Styrene	4.52	0.50	ug/kg	5.000		90.4	84.9-117			
tert-Butylbenzene	4.98	0.50	ug/kg	5.000		99.6	79.1-120			
Tetrachloroethene	5.01	0.50	ug/kg	5.000		100	80.5-118			
Toluene	5.02	0.50	ug/kg	5.000		100	83.8-115			
trans-1,2-Dichloroethene	4.72	0.50	ug/kg	5.000		94.4	78.3-128			
Trichloroethene	5.54	0.50	ug/kg	5.000		111	82.6-121			
Vinyl chloride	5.51	0.50	ug/kg	5.000		110	53-177			
Surrogate: Dibromofluoromethane	5.01		ug/kg	5.000		100	70.8-139			
Surrogate: Toluene-d8	4.93		ug/kg	5.000		98.6	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.07		ug/kg	5.000		101	71.4-118			

Matrix Spike (R808026-MS1)

Source: R183402-01

Prepared: 08/21/2018 Analyzed: 08/21/2018 21:37

1,1,1-Trichloroethane	5.53	0.50	ug/kg	5.000	ND	111	68.4-158			
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ARCADIS
 132 East Washington Street
 Indianapolis IN, 46204

Project: Tell City Investigation
 Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808026 - EPA 5030B

Matrix Spike (R808026-MS1)

Source: R183402-01

Prepared: 08/21/2018 Analyzed: 08/21/2018 21:37

1,1,2,2-Tetrachloroethane	4.87	0.50	ug/kg	5.000	ND	97.4	64.7-135			
1,1,2-Trichloroethane	5.05	0.50	ug/kg	5.000	ND	101	76.2-132			
1,1-Dichloroethane	5.64	0.50	ug/kg	5.000	ND	113	69-149			
1,1-Dichloroethene	5.27	0.50	ug/kg	5.000	ND	105	49.3-178			
1,2,3-Trichlorobenzene	4.39	2.0	ug/kg	5.000	ND	87.8	73.3-124			
1,2,4-Trichlorobenzene	4.63	2.0	ug/kg	5.000	ND	92.6	70.8-121			
1,2,4-Trimethylbenzene	4.75	0.50	ug/kg	5.000	ND	95.0	85.3-120			
1,2-Dichlorobenzene	5.00	0.50	ug/kg	5.000	ND	100	87.1-115			
1,2-Dichloroethane	5.56	0.50	ug/kg	5.000	ND	111	74-155			
1,3,5-Trimethylbenzene	5.05	0.50	ug/kg	5.000	ND	101	85.3-120			
1,3-Dichlorobenzene	4.93	0.50	ug/kg	5.000	ND	98.6	87.6-115			
1,4-Dichlorobenzene	4.86	0.50	ug/kg	5.000	ND	97.2	86.3-113			
2-Chlorotoluene	5.04	0.50	ug/kg	5.000	ND	101	86.6-117			
4-Chlorotoluene	5.05	0.50	ug/kg	5.000	ND	101	86.1-119			
Benzene	5.16	0.50	ug/kg	5.000	ND	103	75.1-132			
Carbon tetrachloride	5.63	0.50	ug/kg	5.000	ND	113	71.8-143			
Chlorobenzene	5.01	0.50	ug/kg	5.000	ND	100	89.6-112			
Chloroform	5.36	0.50	ug/kg	5.000	ND	107	67.3-154			
Chloromethane	5.33	2.0	ug/kg	5.000	ND	107	54.7-167			
cis-1,2-Dichloroethene	4.90	0.50	ug/kg	5.000	ND	98.0	73.6-131			
Ethylbenzene	4.82	0.50	ug/kg	5.000	ND	96.4	87.1-117			
Isopropylbenzene	4.90	0.50	ug/kg	5.000	ND	98.0	87.3-117			
m,p-Xylene	9.54	1.0	ug/kg	10.00	0.220	93.2	87.5-116			
Methylene chloride	5.92	2.0	ug/kg	5.000	ND	118	63.1-149			
Naphthalene	4.14	5.0	ug/kg	5.000	0.100	80.8	41.3-137			
n-Butyl Benzene	5.08	0.50	ug/kg	5.000	ND	102	82.1-121			
n-Propyl Benzene	5.00	0.50	ug/kg	5.000	ND	100	83.4-121			
o-Xylene	4.65	0.50	ug/kg	5.000	ND	93.0	84.5-113			
p-Isopropyltoluene	5.03	0.50	ug/kg	5.000	ND	101	87.3-114			
sec-Butyl Benzene	5.08	0.50	ug/kg	5.000	ND	102	84.9-118			
Styrene	4.53	0.50	ug/kg	5.000	ND	90.6	79.2-121			
tert-Butylbenzene	5.13	0.50	ug/kg	5.000	ND	103	79.3-119			
Tetrachloroethene	4.65	0.50	ug/kg	5.000	ND	93.0	78.4-121			
Toluene	4.92	0.50	ug/kg	5.000	ND	98.4	81.7-117			
trans-1,2-Dichloroethene	5.05	0.50	ug/kg	5.000	ND	101	71.3-135			
Trichloroethene	4.81	0.50	ug/kg	5.000	ND	96.2	70.4-133			
Vinyl chloride	5.64	0.50	ug/kg	5.000	ND	113	55.4-172			
Surrogate: Dibromofluoromethane	5.30		ug/kg	5.000		106	70.8-139			
Surrogate: Toluene-d8	4.82		ug/kg	5.000		96.4	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.12		ug/kg	5.000		102	71.4-118			

Matrix Spike Dup (R808026-MSD1)

Source: R183402-01

Prepared: 08/21/2018 Analyzed: 08/21/2018 22:06

1,1,1-Trichloroethane	5.47	0.50	ug/kg	5.000	ND	109	68.4-158	1.09	20	
1,1,1,2-Tetrachloroethane	4.95	0.50	ug/kg	5.000	ND	99.0	64.7-135	1.63	20	



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Project: Tell City Investigation
Project Number: [none]

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808026 - EPA 5030B

Matrix Spike Dup (R808026-MSD1)

Source: R183402-01

Prepared: 08/21/2018 Analyzed: 08/21/2018 22:06

1,1,2-Trichloroethane	5.27	0.50	ug/kg	5.000	ND	105	76.2-132	4.26	20	
1,1-Dichloroethane	5.57	0.50	ug/kg	5.000	ND	111	69-149	1.25	20	
1,1-Dichloroethene	5.39	0.50	ug/kg	5.000	ND	108	49.3-178	2.25	20	
1,2,3-Trichlorobenzene	4.68	2.0	ug/kg	5.000	ND	93.6	73.3-124	6.39	20	
1,2,4-Trichlorobenzene	4.71	2.0	ug/kg	5.000	ND	94.2	70.8-121	1.71	20	
1,2,4-Trimethylbenzene	4.69	0.50	ug/kg	5.000	ND	93.8	85.3-120	1.27	20	
1,2-Dichlorobenzene	5.16	0.50	ug/kg	5.000	ND	103	87.1-115	3.15	20	
1,2-Dichloroethane	5.94	0.50	ug/kg	5.000	ND	119	74-155	6.61	20	
1,3,5-Trimethylbenzene	5.09	0.50	ug/kg	5.000	ND	102	85.3-120	0.789	20	
1,3-Dichlorobenzene	4.95	0.50	ug/kg	5.000	ND	99.0	87.6-115	0.405	20	
1,4-Dichlorobenzene	5.04	0.50	ug/kg	5.000	ND	101	86.3-113	3.64	20	
2-Chlorotoluene	5.06	0.50	ug/kg	5.000	ND	101	86.6-117	0.396	20	
4-Chlorotoluene	4.98	0.50	ug/kg	5.000	ND	99.6	86.1-119	1.40	20	
Benzene	5.26	0.50	ug/kg	5.000	ND	105	75.1-132	1.92	20	
Carbon tetrachloride	5.67	0.50	ug/kg	5.000	ND	113	71.8-143	0.708	20	
Chlorobenzene	5.04	0.50	ug/kg	5.000	ND	101	89.6-112	0.597	20	
Chloroform	5.42	0.50	ug/kg	5.000	ND	108	67.3-154	1.11	20	
Chloromethane	5.21	2.0	ug/kg	5.000	ND	104	54.7-167	2.28	20	
cis-1,2-Dichloroethene	5.08	0.50	ug/kg	5.000	ND	102	73.6-131	3.61	20	
Ethylbenzene	4.96	0.50	ug/kg	5.000	ND	99.2	87.1-117	2.86	20	
Isopropylbenzene	4.90	0.50	ug/kg	5.000	ND	98.0	87.3-117	0.00	20	
m,p-Xylene	9.86	1.0	ug/kg	10.00	0.220	96.4	87.5-116	3.30	20	
Methylene chloride	5.82	2.0	ug/kg	5.000	ND	116	63.1-149	1.70	20	
Naphthalene	4.42	5.0	ug/kg	5.000	0.100	86.4	41.3-137	6.54	20	
n-Butyl Benzene	5.01	0.50	ug/kg	5.000	ND	100	82.1-121	1.39	20	
n-Propyl Benzene	4.92	0.50	ug/kg	5.000	ND	98.4	83.4-121	1.61	20	
o-Xylene	4.81	0.50	ug/kg	5.000	ND	96.2	84.5-113	3.38	20	
p-Isopropyltoluene	5.05	0.50	ug/kg	5.000	ND	101	87.3-114	0.397	20	
sec-Butyl Benzene	4.91	0.50	ug/kg	5.000	ND	98.2	84.9-118	3.40	20	
Styrene	4.61	0.50	ug/kg	5.000	ND	92.2	79.2-121	1.75	20	
tert-Butylbenzene	4.92	0.50	ug/kg	5.000	ND	98.4	79.3-119	4.18	20	
Tetrachloroethene	4.74	0.50	ug/kg	5.000	ND	94.8	78.4-121	1.92	20	
Toluene	5.14	0.50	ug/kg	5.000	ND	103	81.7-117	4.37	20	
trans-1,2-Dichloroethene	4.80	0.50	ug/kg	5.000	ND	96.0	71.3-135	5.08	20	
Trichloroethene	5.30	0.50	ug/kg	5.000	ND	106	70.4-133	9.69	20	
Vinyl chloride	5.47	0.50	ug/kg	5.000	ND	109	55.4-172	3.06	20	
Surrogate: Dibromofluoromethane	5.19		ug/kg	5.000		104	70.8-139			
Surrogate: Toluene-d8	5.00		ug/kg	5.000		100	76.6-116			
Surrogate: 4-Bromofluorobenzene	5.04		ug/kg	5.000		101	71.4-118			



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Project: Tell City Investigation
 Project Number: [none]

Classical Chemistry Parameters - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808008 - % Solids

Duplicate (R808008-DUP1)		Source: R183205-03		Prepared: 08/11/2018 Analyzed: 08/12/2018 15:04						
% Solids	79.7	0.00	% by Weight		80.2			0.699	20	

Batch R808009 - % Solids

Duplicate (R808009-DUP1)		Source: R183205-23		Prepared: 08/11/2018 Analyzed: 08/13/2018 11:05						
% Solids	87.2	0.00	% by Weight		87.5			0.386	20	

Batch R808012 - % Solids

Duplicate (R808012-DUP1)		Source: R183205-41		Prepared: 08/13/2018 Analyzed: 08/14/2018 10:44						
% Solids	75.9	0.00	% by Weight		80.0			5.36	20	

Duplicate (R808012-DUP2)		Source: R183301-06		Prepared: 08/13/2018 Analyzed: 08/14/2018 10:44						
% Solids	85.2	0.00	% by Weight		85.5			0.414	20	

Batch R808013 - % Solids

Duplicate (R808013-DUP1)		Source: R183302-01		Prepared: 08/14/2018 Analyzed: 08/15/2018 11:42						
% Solids	83.5	0.00	% by Weight		83.9			0.485	20	

Batch R808016 - % Solids

Duplicate (R808016-DUP1)		Source: R183302-21		Prepared: 08/14/2018 Analyzed: 08/15/2018 11:46						
% Solids	77.4	0.00	% by Weight		84.2			8.42	20	



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Project: Tell City Investigation
 Project Number: [none]

Classical Chemistry Parameters - Quality Control
Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808018 - % Solids

Duplicate (R808018-DUP1)		Source: R183303-02		Prepared: 08/16/2018 Analyzed: 08/17/2018 08:52						
% Solids	81.3	0.00	% by Weight		80.8			0.627	20	

Batch R808020 - % Solids

Duplicate (R808020-DUP1)		Source: R183304-02		Prepared: 08/16/2018 Analyzed: 08/18/2018 13:56						
% Solids	81.2	0.00	% by Weight		80.1			1.34	20	

Batch R808023 - % Solids

Duplicate (R808023-DUP1)		Source: R183304-21		Prepared: 08/17/2018 Analyzed: 08/19/2018 10:21						
% Solids	82.0	0.00	% by Weight		81.8			0.281	20	

Batch R808024 - % Solids

Duplicate (R808024-DUP1)		Source: R183305-15		Prepared: 08/17/2018 Analyzed: 08/19/2018 10:26						
% Solids	80.6	0.00	% by Weight		80.9			0.300	20	

Batch R808029 - % Solids

Duplicate (R808029-DUP1)		Source: R183403-01		Prepared: 08/22/2018 Analyzed: 08/23/2018 06:49						
% Solids	82.2	0.00	% by Weight		82.8			0.675	20	

Batch R808030 - % Solids

Duplicate (R808030-DUP1)		Source: R183403-22		Prepared: 08/22/2018 Analyzed: 08/23/2018 06:53						
% Solids	75.6	0.00	% by Weight		79.8			5.40	20	



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Classical Chemistry Parameters - Quality Control

Pace Analytical - Lab #20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch R808032 - % Solids

Duplicate (R808032-DUP1)	Source: R183403-42	Prepared: 08/23/2018	Analyzed: 08/24/2018 08:13
% Solids	80.3	0.00 % by Weight	80.7
			0.530
			20



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Project Number: [none]

Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- S Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- HC Results may be biased high because of high continuing calibration verification (CCV).
- E The concentration indicated is above the instrument calibration range. This value is an estimated concentration.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Appendix B
Chain of Custody Information



Pace Analytical - ECCS Division
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CHAIN OF CUSTODY

No. 08715

Page: 1 of 1

Project Number:		PO Number:		Lab Work Order #: R183201		Report To: KEITH.ANTELL@ARCADIS.COM	
Project Name: GE TELL CITY		Preservation Codes		Analyses Requested		Company: ARCADIS	
Project Location (City, State): GE TELL CITY, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:	
If Rush, Report Due Date:		Sampled By (Print): KEITH ANTELL		Address 1:		Address 2:	
84		Collection		Matrix		Total # of Containers	
Sample Description		Date	Time				
AP 74-78 →	8/6/18	1525	W	3	X		
AP 84 (74-78) →	8/6/18						
AP 84 (66-70)		1550	W	2	X	PCE 0.9	02 1604
AP 84 (58-62)		1620	W	2	X	PCE 1.1	03 1628
AP 84 (50-54)		1645	W	2	X	PCE 1.1	04 1702
AP 84 (42-46)		1715	W	2	X		05 1745
AP 84 (38-42)		1725	W	2	X		06 1745
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 8/6 Time: 1745	
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By:		Date:		Received By: <i>Matthew Pulver</i>	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:	
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08716

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: R183202				Report To: Keith.Antell@ARCADIS.com							
Project Name: GE Tell City		Preservation Codes				Company: ARCADIS			Address 1:						
Project Location (City, State): Tell City, IN		Analyses Requested				Address 2:			E-mail Address:						
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers 2260B				Invoice To:			Company:						
If Rush, Report Due Date:						Address 1:			Address 2:		Comments		Lab ID	Lab Receipt Time	
Sampled By (Print): Keith Antell Cameron Stewart						Date			Time						
Sample Description						Date			Time						
Sampled By (Print): Keith Antell,		Date			Time										
AP 85 (90-94)		8/7/18 0945			W 2 X			PCE 2,7		01	0955				
AP 85 (82-86)		8/7/18 1020			W 2 X			PCE 2,7		02	1030				
AP 85 (74-78)		8/7/18 1100			W 2 X			PCE 1,6		03	1110				
AP 85 (66-70)		8/7/18 1130			W 2 X			PCE 1,1		04	1144				
AP 85 (58-62)		8/7/18 1200			W 2 X			BIS-1,2DCE 190, VC 4		05	1210				
AP 85 (50-54)		8/7/18 1230			W 2 X			TCE 21, C-1,2DCE 5		06	1240				
AP 85 (42-46) 37-41		8/9/18 1300			W 2 X			PCE 2,2, TCE .9		07	1312				
AP 82 (76-80)		8/7/18 1540			W 2 X					08	1550				
AP 82 (68-72)		8/7/18 1600			W 2 X					09	1615				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Relinquished By: <i>Keith Antell</i> Relinquished By:				Date: 8/7/18 Time: 1645		Received By: <i>Matthew Culver</i> Received By:		Date: 8/07/18 Time: 1645					
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N					



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CHAIN OF CUSTODY

No. 08717

Page: 2 of 2

Lab Work Order #: **R183202**

Report To: **Keith.Antell@ARCADIS.COM**

Company: **ARCADIS**

Project Number: _____ PO Number: _____ Preservation Codes _____ Address 1: _____

Project Name: **GE Tell City** Analyses Requested _____ Address 2: _____

Project Location (City, State): **Tell City, IN** E-mail Address: _____

Turn Around (check one): Normal Rush Invoice To: _____

If Rush, Report Due Date: _____ Company: _____

Sampled By (Print): **Keith Antell** Address 1: _____

Address 2: _____

Sample Description	Collection		Matrix	Total # of Containers						Comments	Lab ID	Lab Receipt Time
	Date	Time										
AP82 (60-64)	8/7/18	1630	W	2	X					TCE 62	10	1650
AP82 (52-56)	8/7/18	1700	W	2	X					TCE 130	11	1710
AP82 (44-48)	8/7/18	1738	W	2	X					TCE 70	12	1735
AP82 (36-40)	8/7/18	1740	W	2	X					TCE 22	13	1758
/												

Preservation Codes: A=None B=HCL C=H₂SO₄ D=HNO₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)

Matrix Codes: A=Air S=Soil W=Water O=Other

Other Comments: _____ Relinquished By: *[Signature]* Date: **8/7/18** Time: **1758** Received By: **Matthew Culver** Date: **8/7/18** Time: **1758**

Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

Custody Seal: NA Intact Not Intact Shipped Via: _____ Receipt Temp: _____ Thermometer #/ Exp. Date: _____ Temp Blank: Y N



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CHAIN OF CUSTODY

No. 08718

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: R183203				Report To: Keith Antell																				
Project Name: GETell City		Preservation Codes				Company: ARCADIS																						
Project Location (City, State): Tell City, IN		Analyses Requested				Address 1:																						
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px;">Matrix</td> <td style="width:20px;">Total # of Containers</td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> </tr> <tr> <td></td> <td style="text-align:center;">8260B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers										8260B									Address 2:		
Matrix	Total # of Containers																											
	8260B																											
If Rush, Report Due Date:						E-mail Address: Keith.Antell@ARCADIS.COM			Invoice To:																			
Sampled By (Print): Cameron Stewart						Company:			Address 1:																			
		Address 2:																										
Sample Description		Collection		Matrix	Total # of Containers						Comments	Lab ID	Lab Receipt Time															
		Date	Time																									
AP-86(78-82)		8/8/2018	0830	W	3	X					ND <2	01	0845															
AP-86(70-74)		8/8/2018	0900	W	2	X					CIS-1,2-DCE 11	02	0908															
AP-86(62-66)		8/8/2018	0930	W	2	X					CIS-1,2 DCE 45 VC 6	03	0949															
AP-86(58-62)		8/8/2018	1000	W	2	X					C-12 DCE 520, VC 1,3	04	1005															
AP-86(54-58)		8/8/2018	1015	W	2	X					C-12 DCE 120, TCE 20	05	1022															
AP-86(50-54)		8/8/2018	1030	W	2	X					C-12 DCE 110, TCE 16	06	1050															
AP-86(46-50)		8/8/2018	1100	W	2	X					C-12 DCE 26, TCE 14	07	1112															
AP-86(38-42)		8/8/2018	1115	W	2	X					C-12 DCE 3, TCE 0.8	08	1130															
AP-81(66-70)		8/8/2018	1400	W	2	X					ND <2	09	1404															
AP-81(60-64)		8/8/2018	1415	W	2	X					C-12 DCE 3 TCE 8	10	1420															
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>Cameron Stewart</i>		Date: 8/8/2018	Time: 1200	Received By: <i>Matthew Culver</i>		Date: 8/8/18	Time: 1555																	
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:																	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																		



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CHAIN OF CUSTODY

No. 08719

Page: 2 of 2

Project Number:		PO Number:		Lab Work Order #: R183203				Report To: Keith Antell			
Project Name: GETELL CITY		Preservation Codes				Company:					
Project Location (City, State): Tell City, IN		Analyses Requested				Address 1:					
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers 8260B				Address 2:					
If Rush, Report Due Date:						E-mail Address: Keith.Antell@Arcadis.com					
Sampled By (Print): CAMERON STEWART						Invoice To:					
						Company:					
Sample Description		Collection									
		Date	Time								
AP-81 (54-58)		8/8/2018	1430	W	2	X	TCE 75				
AP-81 (48-52)		8/8/2018	1500	W	2	X	TCE 10, C-120CE 9				
AP-81 (42-46)		8/8/2018	1530	W	2	X	TCE 3				
AP-81 (38-42)		8/8/2018	1545	W	2	X					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By:		Date: 8/8/2018	Time: 1200	Received By:		Date: 8/8/18	Time: 1555
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08720

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: R183204		Report To: Keith Antzell					
Project Name: GE Tell City		Preservation Codes		Analyses Requested		Company: ARCADIS					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): Cameron Stewart		E-mail Address: Keith.Antzell@Arcadis.com		Invoice To:					
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time			
		Date	Time								
AP-78 (88-92)		8/9/2018	900	W	2	X	ND < 2	01 0905			
AP-78 (80-84)		8/9/2018	930	W	3	X	ND < 2	02 0940			
AP-78 (72-76)		8/9/2018	1000	W	2	X	ND < 0.5	03 1005			
AP-78 (64-68)		8/9/2018	1030	W	2	X	C-12DCE X 2	04 1035			
AP-78 (56-60)		8/9/2018	1100	W	2	X	VC 25 ← TCE 74, C-12DCE 70	05 1105			
AP-78 (50-54)		8/9/2018	1115	W	2	X	TCE 34, PCE 20, VC 2	06 1150			
AP-78 (44-48)		8/9/2018	1130	W	2	X	TCE 28, PCE 66	07 1150			
AP-78 (38-42)		8/9/2018	1145	W	2	X	TCE 4, PCE 72	08 1150			
AP-88 (92-96)		8/9/2018	1400	W	2	X	PCE 1	09 1405			
AP-88 (84-88)		8/9/18	1430	W	2	X	PCE 0.9	10 1435			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: Relinquished By: <i>Cameron Stewart</i> Relinquished By:		Date: 8/9/2018 Time: 1630		Received By: <i>Matthew Ouhon</i> Received By:		Date: 8/9/18 Time: 1635			
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08735

Page: 2 of 2

Project Number:		PO Number:		Lab Work Order #: R183204		Report To: Keith Antell					
Project Name: GE Tell City		Preservation Codes		Analyses Requested		Company: ARCADIS					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: Keith.Antell@arcadis.com		Address 1:					
If Rush, Report Due Date:		Sampled By (Print): Cameron Stewart		Invoice To:		Company:					
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time			
		Date	Time								
AP-88(76-80)		8/9/2018	1445	W	2	X	ND < 0.5	11 1500			
AP-88(68-72)		8/9/2018	1500	W	2	X	PCE 0.5	12 1510			
AP-88(60-64)		8/9/2018	1530	W	2	X	TCE 3.7	13 1540			
AP-88(52-56)		8/9/2018	1545	W	2	X		14 1555			
AP-88(44-48)		8/9/2018	1600	W	2	X		15 1635			
AP-88(38-42)		8/9/2018	1615	W	2	X		16 1635			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>Cameron Stewart</i>		Date: 8/9/2018	Time: 1630	Received By: <i>Matthew Pulver</i>	Date: 8/9/18	Time: 1635	
				Relinquished By:		Date:	Time:	Received By:	Date:	Time:	
				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:	



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CHAIN OF CUSTODY

No. 08721

Page: 1 of 6

Project Number:		PO Number:		Lab Work Order #: R183205		Report To: Keith Antell					
Project Name: GE Tell City SAP		Preservation Codes		Analyses Requested		Company: ARCADIS					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: Keith.Antell@ARCADIS.com		Address 1:					
If Rush, Report Due Date:		Sampled By (Print): KA		Invoice To:		Company:					
Sample Description		Collection		Matrix	Total # of Containers	VOC 8260	Comments	Lab ID	Lab Receipt Time		
		Date	Time								
SAP-1 (1)		8/9/18	845	S	2	X		01	1000		
SAP-1 (4)		8918	850	S	4	X		02	1000		
SAP-1 (8)		8918	855	S	2	X		03	1000		
SAP-1 (12)		8918	900	S	2	X		04	1000		
SAP-1 (16)		8918	905	S	2	X		05	1000		
SAP-2 (1)		8918	925	S	2	X		06	1000		
SAP-2 (4)		8918	935	S	2	X		07	1000		
SAP-2 (8)		8918	940	S	2	X		08	1000		
SAP-2 (12)		8918	945	S	2	X		09	1000		
SAP-2 (16)		8918	950	S	2	X		10	1000		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 8/9/18	Time: 1000	Received By: <i>Matthew Culver</i>		Date: 8/9/18	Time: 1000
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08722

Page: 2 of 6

Lab Work Order #: R183205	Report To: Keith Antell
	Company: ARCADIS

Project Number:	PO Number:	Preservation Codes	Address 1:
Project Name: GE TC SAP		Analyses Requested	Address 2:
Project Location (City, State): Tell City			E-mail Address: Keith.Antell@ARCADIS.com

Turn Around (check one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): **KA**

Matrix	Total # of Containers	10698260																		

Invoice To:

Company:

Address 1:

Address 2:

Sample Description	Collection		Matrix	Total # of Containers																Comments	Lab ID	Lab Receipt Time		
	Date	Time																						
SAP-3(1)	8918	1045	S	2	X																	11	1130	
SAP-3(4)	8918	1055	S	2	X																	12	1130	
SAP-3(8)	8918	1110	S	2	X																	13	1130	
SAP-3(12)	8918	1115	S	2	X																	14	1130	
SAP-3(16)	8918	1120	S	2	X																	15	1130	
SAP-4(1)			S	2																				
SAP-4(4)			S	2																				
SAP-4(8)			S	2																				
SAP-4(12)			S	2																				
SAP-4(16)			S	2																				

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other	Other Comments:	Relinquished By:	Date:	Time:	Received By: Matthe Oulve	Date: 8/9/18	Time: 1130
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08723

Page: 3 of 6

Project Number:		PO Number:		Lab Work Order #: R183205				Report To: Keith Antell																																																																																																																																																																																			
Project Name: GETC SAP		Preservation Codes				Company: ARCADIS																																																																																																																																																																																					
Project Location (City, State):		Analyses Requested				Address 1:																																																																																																																																																																																					
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Matrix</td> <td style="width:10%;">Total # of Containers</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td style="text-align:center; vertical-align:middle;">1003</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers										1003									Address 2:																																																																																																																																																																	
Matrix	Total # of Containers																																																																																																																																																																																										
	1003																																																																																																																																																																																										
If Rush, Report Due Date:		E-mail Address: Keith.Antell@Arcadis.com				Invoice To:																																																																																																																																																																																					
Sampled By (Print): K Antell		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Description</th> <th colspan="2">Collection</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2">Comments</th> <th rowspan="2">Lab ID</th> <th rowspan="2">Lab Receipt Time</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr><td>SAP-4 (1)</td><td>8918</td><td>1230</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>16</td><td>1400</td></tr> <tr><td>SAP-4 (4)</td><td>8918</td><td>1240</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>17</td><td>1400</td></tr> <tr><td>SAP-4 (8)</td><td>8918</td><td>1245</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>18</td><td>1400</td></tr> <tr><td>SAP-4 (12)</td><td>8918</td><td>1250</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>19</td><td>1400</td></tr> <tr><td>SAP-4 (16)</td><td>8918</td><td>1255</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>20</td><td>1400</td></tr> <tr><td>SAP-5 (17)</td><td>8918</td><td>1320</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>21</td><td>1400</td></tr> <tr><td>SAP-5 (4)</td><td>8918</td><td>1325</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>22</td><td>1400</td></tr> <tr><td>SAP-5 (8)</td><td>8918</td><td>1330</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>23</td><td>1400</td></tr> <tr><td>SAP-5 (12)</td><td>8918</td><td>1335</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>24</td><td>1400</td></tr> <tr><td>SAP-5 (16)</td><td>8918</td><td>1340</td><td>S</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>25</td><td>1400</td></tr> </tbody> </table>				Sample Description	Collection		Matrix	Total # of Containers									Comments	Lab ID	Lab Receipt Time	Date	Time	SAP-4 (1)	8918	1230	S	2	X									16	1400	SAP-4 (4)	8918	1240	S	2	X									17	1400	SAP-4 (8)	8918	1245	S	2	X									18	1400	SAP-4 (12)	8918	1250	S	2	X									19	1400	SAP-4 (16)	8918	1255	S	2	X									20	1400	SAP-5 (17)	8918	1320	S	2	X									21	1400	SAP-5 (4)	8918	1325	S	2	X									22	1400	SAP-5 (8)	8918	1330	S	2	X									23	1400	SAP-5 (12)	8918	1335	S	2	X									24	1400	SAP-5 (16)	8918	1340	S	2	X									25	1400	Company:			
Sample Description	Collection						Matrix	Total # of Containers																						Comments	Lab ID	Lab Receipt Time																																																																																																																																																											
	Date	Time																																																																																																																																																																																									
SAP-4 (1)	8918	1230	S	2	X									16	1400																																																																																																																																																																												
SAP-4 (4)	8918	1240	S	2	X									17	1400																																																																																																																																																																												
SAP-4 (8)	8918	1245	S	2	X									18	1400																																																																																																																																																																												
SAP-4 (12)	8918	1250	S	2	X									19	1400																																																																																																																																																																												
SAP-4 (16)	8918	1255	S	2	X									20	1400																																																																																																																																																																												
SAP-5 (17)	8918	1320	S	2	X									21	1400																																																																																																																																																																												
SAP-5 (4)	8918	1325	S	2	X									22	1400																																																																																																																																																																												
SAP-5 (8)	8918	1330	S	2	X									23	1400																																																																																																																																																																												
SAP-5 (12)	8918	1335	S	2	X									24	1400																																																																																																																																																																												
SAP-5 (16)	8918	1340	S	2	X									25	1400																																																																																																																																																																												
Sample Description		Date				Address 1:																																																																																																																																																																																					
		Time				Address 2:																																																																																																																																																																																					
		Matrix				Comments																																																																																																																																																																																					
		Total # of Containers				Lab ID																																																																																																																																																																																					
						Lab Receipt Time																																																																																																																																																																																					

Preservation Codes

A=None B=HCL C=H₂SO₄
 D=HNO₃ E=EnCore F=Methanol
 G=NaOH O=Other (Indicate)

Matrix Codes

A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: <i>[Signature]</i>	Date: 8/9/18	Time: 1355	Received By: Matthew Oulbe	Date: 8/9/18	Time: 1400
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N
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CHAIN OF CUSTODY

No. 08734

Page: 4 of 6 *X*

Project Number:		PO Number:		Lab Work Order #: R183205		Report To: Keith Antell					
Project Name: GETC SAP		Preservation Codes		Analyses Requested		Company: ARCADIS					
Project Location (City, State): Tell City		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): K		E-mail Address: Keith.Antell@Arcadis.com		Invoice To:					
Sample Description		Collection		Matrix	Total # of Containers	Company:					
		Date	Time			Address 1:		Address 2:			
				VOCS							
SAP-6-(1)		8/9/18	1430		S	2	X		Comments	Lab ID	Lab Receipt Time
SAP-6-(4)		8/9/18	1440		S	2	X			26	1600
SAP-6-(8)		8/9/18	1450		S	2	X			27	1600
SAP-6-(12)		8/9/18	1455		S	2	X			28	1600
SAP-6-(16)		8/9/18	1500		S	2	X			29	1600
SAP-7(1)		8/9/18	1515		S	2	X			30	1600
SAP-7(4)		8/9/18	1520		S	2	X			31	1600
SAP-7(8)		8/9/18	1525		S	2	X			32	1600
SAP-7(12)		8/9/18	1530		S	2	X			33	1600
SAP-7(16)		8/9/18	1540	S	2	X			34	1600	
SAP-7(16)		8/9/18	1540	S	2	X			35	1600	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: Relinquished By: <i>[Signature]</i> Date: 8/9/18 Time: 1550 Relinquished By: _____ Date: _____ Time: _____		Received By: Matthew Oulbe Date: 8/9/18 Time: 1600 Received By: _____ Date: _____ Time: _____		Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: _____ Receipt Temp: _____ Thermometer #/ Exp. Date: _____ Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08737

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Project Number:		PO Number:		Lab Work Order #: R183205		Report To: Keith Antell				
Project Name: GE TC SAP		Preservation Codes		Analyses Requested		Company: ARCADIS				
Project Location (City, State): Tell City		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: Keith.Antell@Arcadis.com		Address 1:				
If Rush, Report Due Date:		Sampled By (Print): K		Invoice To:		Company:				
Sample Description		Collection		Matrix	Total # of Containers	VOCs	Address 1:			
		Date	Time				Address 2:			
SAP-8-1		8-9-18	1610	S	2	X	Comments	Lab ID: 37		
SAP-8-4		8918	1620	S	2	X		Lab Receipt Time: 1645		
SAP-8-8		8918	1625	S	2	X		38 1645		
SAP-8-12		8918	1630	S	2	X		39 1645		
SAP-8-16		8918	1635	S	2	X		40 1645		
mm 8/13/18								41 1645		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: OK		Date: 8/19/18	Time: 1645	Received By: Matthew Quire	Date: 8/19/18	Time: 1645
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N



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CHAIN OF CUSTODY

No. 08738

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Lab Work Order #: R183206	Report To: Keith Antell
	Company: ARCADIS

Project Number:	PO Number:	Preservation Codes	Address 1:
Project Name: GE Tell City		Analyses Requested	Address 2:
Project Location (City, State): Tell City, IN			E-mail Address: Keith.Antell@ARCADIS.com

Turn Around (check one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): **Cameron Stewart**

Sample Description	Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time
	Date	Time											
AP-75 (74-78)	8/10/2018	0900	W	3	X						PCE 1.3	01	0910
AP-75 (68-72)	8/10/2018	0930	W	2	X						PCE 0.7	02	0940
AP-75 (60-64)	8/10/2018	1000	W	2	X						ND <0.5	03	1005
AP-75 (54-58)	8/10/2018	1015	W	2	X						Toluene 0.5	04	1017
AP-75 (48-52)	8/10/2018	1030	W	2	X						PCE 0.5	05	1032
AP-75 (42-46)	8/10/2018	1040	W	2	X							06	1050
AP-75 (36-40)	8/10/2018	1050	W	2	X							07	1050

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other	Other Comments:	Relinquished By: <i>Cameron Stewart</i>	Date: 8/10/2018	Time: 1100	Received By: <i>Matthew Culver</i>	Date: 8/10/2018	Time: 1100
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08739

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Lab Work Order #: R183207	Report To: Keith Antzell
	Company: ARCADIS

Project Number:	PO Number:	Preservation Codes	Address 1:
Project Name: GE TC SAP		Analyses Requested	Address 2:
Project Location (City, State): Tell City			E-mail Address: Keith.Antzell@Arcadis.com

Turn Around (check one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): **K**

Sample Description	Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time
	Date	Time											
SAP-9-(1)	8/10/18	815	S	2	X							01	1030
SAP-9-(4)	8/10/18	825	S	2	X							02	1030
SAP-9-(8)	8/10/18	835	S	2	X							03	1030
SAP-9-(12)	8/10/18	840	S	2	X							04	1030
SAP-9-(16)	8/10/18	845	S	2	X							05	1030
SAP-12-1	8/10/18	935	S	2	X							06	1030
SAP-12-2	8/10/18	940	S	2	X							07	1030
SAP-12-4	8/10/18	945	S	2	X							08	1030
SAP-12-8	8/10/18	1015	S	2	X							09	1030
SAP-12-12	8/10/18	1020	S	2	X							10	1030

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other	Other Comments: 	Relinquished By: [Signature]	Date: 8/10/18	Time: 1030	Received By: Matthew Culver	Date: 8/10/18	Time: 1030
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N		



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CHAIN OF CUSTODY

No. 08741

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Project Number:		PO Number:		Lab Work Order #: R183207		Report To: Keith Antell					
Project Name: GE TC SAP		Preservation Codes		Analyses Requested		Company: ARCADIS					
Project Location (City, State): Tell City		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: Keith.Antell@Arcadis.com		Address 1:					
If Rush, Report Due Date:		Sampled By (Print): K		Invoice To:		Company:					
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time			
		Date	Time								
SAP-12-16		8/10/18 1025		S	2	X	11	1030			
		<div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(45deg); opacity: 0.5;"></div>									
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: OK		Date: 8/10/18 Time: 1030		Received By: Matthew Culver			
				Relinquished By:		Date:		Time:		Received By:	
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08740

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Project Number:		PO Number:		Lab Work Order #: R183301		Report To: <i>R. Antell</i>					
Project Name: <i>GE TC SAP</i>		Preservation Codes		Analyses Requested		Company: <i>ARCADIS</i>					
Project Location (City, State): <i>Tell City</i>		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): <i>K</i>		E-mail Address:		Invoice To:					
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time			
		Date	Time								
<i>SAP-13-1</i>		<i>8/13/18</i>	<i>1115</i>	<i>S</i>	<i>4</i>	<i>X</i>	<i>01</i>	<i>1312</i>			
<i>SAP-13-4</i>		<i>8/13/18</i>	<i>1210</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>02</i>	<i>1312</i>			
<i>SAP-13-8</i>		<i>8/13/18</i>	<i>1215</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>03</i>	<i>1312</i>			
<i>SAP-13-12</i>		<i>8/13/18</i>	<i>1220</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>04</i>	<i>1312</i>			
<i>SAP-13-16</i>		<i>8/13/18</i>	<i>1225</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>05</i>	<i>1312</i>			
<i>SAP-14-2</i>		<i>8/13/18</i>	<i>1325</i>	<i>S</i>	<i>4</i>	<i>X</i>	<i>06</i>	<i>1400</i>			
<i>SAP-14-4</i>		<i>8/13/18</i>	<i>1330</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>07</i>	<i>1400</i>			
<i>SAP-14-8</i>		<i>8/13/18</i>	<i>1340</i>	<i>S</i>	<i>7</i>	<i>X</i>	<i>08</i>	<i>1400</i>			
<i>SAP-14-12</i>		<i>8/13/18</i>	<i>1345</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>09</i>	<i>1400</i>			
<i>SAP-14-16</i>		<i>8/13/18</i>	<i>1350</i>	<i>S</i>	<i>2</i>	<i>X</i>	<i>10</i>	<i>1400</i>			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: <i>8/13/18</i>	Time: <i>1625</i>	Received By: <i>[Signature]</i>	Date: <i>8/13/18</i>	Time:	
				Relinquished By:		Date:	Time:	Received By:	Date:	Time:	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08742

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Project Number:		PO Number:		Preservation Codes				Report To: <i>K. Antell</i>	
Project Name: <i>GE TC SAP</i>		Analyses Requested				Company: <i>Arcadis</i>			
Project Location (City, State): <i>Tell City</i>						Address 1:			
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush						Address 2:			
If Rush, Report Due Date:						E-mail Address:			
Sampled By (Print): <i>R</i>						Invoice To:			
						Company:			
						Address 1:			
						Address 2:			
								Lab ID	Lab Receipt Time
Sample Description		Collection		Matrix	Total # of Containers	Comments			
		Date	Time						
<i>SAP-15-1</i>		<i>8/3/18</i>	<i>1410</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>11</i>	<i>1625</i>
<i>SAP-15-3</i>		<i>8/3/18</i>	<i>1435</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>12</i>	<i>1625</i>
<i>SAP-15-4</i>		<i>8/3/18</i>	<i>1440</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>13</i>	<i>1625</i>
<i>SAP-15-6</i>		<i>8/3/18</i>	<i>1450</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>14</i>	<i>1625</i>
<i>SAP-15-12</i>		<i>8/3/18</i>	<i>1455</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>15</i>	<i>1625</i>
<i>SAP-15-16</i>		<i>8/3/18</i>	<i>1505</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>16</i>	<i>1625</i>
<i>SAP-16-1</i>		<i>8-3-18</i>	<i>1550</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>17</i>	<i>1625</i>
<i>SAP-16-4</i>		<i>8-3-18</i>	<i>1555</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>18</i>	<i>1625</i>
<i>SAP-16-8</i>		<i>8/3/18</i>	<i>1600</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>19</i>	<i>1625</i>
<i>SAP-16-12</i>		<i>8-3-18</i>	<i>1610</i>	<i>S</i>	<i>2</i>	<i>X</i>		<i>20</i>	<i>1625</i>
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: <i>8/13/18</i>	Time: <i>1625</i>	Received By: <i>Matthew Antell</i>	
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:	
				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N

1616 @ 1615



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CHAIN OF CUSTODY

No. 08744

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Project Number:		PO Number:		Lab Work Order #: R 123301		Report To: R Anzell					
Project Name: GETC SAP		Preservation Codes		Analyses Requested		Company: Arceadis					
Project Location (City, State): Tell City		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): K		Address 1:		Address 2:					
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time			
		Date	Time								
SAP-16-14		8/13/18 16:15		S	2	X	C-120CE 2000 TCE 1000	21	1625		
		8/13/18 16:25									
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: OK		Date: 8/13/18 Time: 16:25		Received By: Matthew Oulou		Date: 8/13/18 Time: 16:25	
Matrix Codes A=Air S=Soil W=Water O=Other		<input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08743

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Project Number:		PO Number:		Lab Work Order #: R183302				Report To: R. Antell			
Project Name: GE TC SAP		Preservation Codes				Company: Arcadis			Address 1:		
Project Location (City, State): Tell City		Analyses Requested				Address 2:			E-mail Address:		
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix	Total # of Containers	U	O	C	Invoice To:		Company:		
If Rush, Report Due Date:							Address 1:		Address 2:		
Sampled By (Print): K							Comments		Lab ID	Lab Receipt Time	
Sample Description	Collection Date	Collection Time									
SAP-17-1	8/14/18	745	S	2	X			TCE 300 PCE 60	01	0910	
SAP-17-4	8/14/18	750	S	4	X			TCE 5000 PCE 1000	02	0910	
SAP-17-8	8/14/18	755	S	2	X		PCE 200	TCE 70000, C-12D 1000	03	0910	
SAP-17-12	8/14/18	800	S	2	X			TCE 30000, C-12D 15000	04	0910	
SAP-17-16	8/14/18	805	S	2	X			TCE 130000, C-12D 3000	05	0910	
SAP-18-1	8/14/18	825	S	2	X			TCE 500, PCE 1000	06	0910	
SAP-18-4	8/14/18	830	S	2	X			TCE 12000 C-12D 12000	07	0910	
SAP-18-8	8/14/18	840	S	2	X			TCE 90000, C-12D 15000	08	0910	
SAP-18-12	8/14/18	855	S	2	X			TCE 4000, C-12D 20000	09	0910	
SAP-18-16	8/14/18	900	S	2	X			E-12D ND 1000 C-12D ³⁰⁰ 1000	10	0910	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>[Signature]</i>	Date: 8/14/18	Time: 1605	Received By: <i>Matthew Ouba</i>	Date: 8/14/18	Time: 1605		
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:	Date:	Time:	Received By:	Date: 8-14-18	Time: 0907-18		
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08745

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Project Number:		PO Number:		Preservation Codes		Report To: <i>K. Kutz</i>	
Project Name: <i>GE TC VAP</i>		Analyses Requested		Lab Work Order #: <i>R183302</i>		Company: <i>Arcadis</i>	
Project Location (City, State): <i>Tell City</i>		E-mail Address:		Address 1:		Address 2:	
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Invoice To:		Company:		Address 1:	
If Rush, Report Due Date:		Company:		Address 1:		Address 2:	
Sampled By (Print): <i>K</i>		Matrix		Total # of Containers		Comments	
Sample Description		Collection Date		Collection Time		Lab ID	
						Lab Receipt Time	
<i>SAP-10-1</i>		<i>8/14/18</i>		<i>9:55</i>		<i>S 2 X</i>	
<i>SAP-10-4</i>		<i>8/14/18</i>		<i>10:10</i>		<i>S 2 X</i>	
<i>SAP-10-8</i>		<i>8/14/18</i>		<i>10:15</i>		<i>S 2 X</i>	
<i>SAP-10-12</i>		<i>8/14/18</i>		<i>10:20</i>		<i>S 2 X</i>	
<i>SAP-10-16</i>		<i>8/14/18</i>		<i>10:25</i>		<i>S 2 X</i>	
<i>SAP-11-1</i>		<i>8/14/18</i>		<i>11:25</i>		<i>S 2 X</i>	
<i>SAP-11-4</i>		<i>8/14/18</i>		<i>11:35</i>		<i>S 2 X</i>	
<i>SAP-11-8</i>		<i>8/14/18</i>		<i>11:40</i>		<i>S 2 X</i>	
<i>SAP-11-12</i>		<i>8/14/18</i>		<i>11:45</i>		<i>S 2 X</i>	
<i>SAP-11-16</i>		<i>8/14/18</i>		<i>11:50</i>		<i>S 2 X</i>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: <i>8/14/18</i>	
				Relinquished By:		Time: <i>16:05</i>	
				Received By: <i>Matthew Oulbe</i>		Date: <i>8-14-18</i>	
		Custody Seal:		Shipped Via:		Receipt Temp:	
		<input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Thermometer #/ Exp. Date:	
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08746

Page: 3 of 4

Project Number:		PO Number:		Lab Work Order #: R183302		Report To: K Hutev									
Project Name: GETL SAP		Preservation Codes		Analyses Requested		Company: Arcadis									
Project Location (City, State): Tell City		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix		Address 1:									
If Rush, Report Due Date:		Sampled By (Print): K		Total # of Containers		Address 2:									
Sample Description		Collection		Matrix		Total # of Containers		Comments		Lab ID	Lab Receipt Time				
		Date	Time												
SAP-19-1		8/14/18	1220	S	2	X				21	1420				
SAP-19-4		8/14/18	1230	S	2	X			Strong Odor	22	1420				
SAP-19-8		8/14/18	1255	S	2	X				23	1420				
SAP-19-12		8/14/18	1300	S	2	X			TCE 20000, C-12D 40000	24	1420				
SAP-19-16		8/14/18	1305	S	4	X			C-12DCE 35000	25	1420				
SAP-20-1		8/14/18	1330	S	2	X			TCE 40	26	1420				
SAP-20-4		8/14/18	1355	S	2	X			TCE 160	27	1420				
SAP-20-8		8/14/18	1400	S	2	X			TCE 20	28	1420				
SAP-20-12		8/14/18	1405	S	2	X			CLM 108	29	1420				
SAP-20-16		8/14/18	1410	S	2	X			TCE ND	30	1420				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 8/14/18		Time: 1605		Received By: <i>Matthew Oulbe</i>		Date: 8-14-18		Time: 1605	
						Relinquished By:		Date:		Time:		Received By:		Date:	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N					



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CHAIN OF CUSTODY

No. 08747

Page: 4 of 4

Project Number:		PO Number:		Lab Work Order #: R183302				Report To: K Wntzel				
Project Name: GETC SAP		Preservation Codes				Company: Arcaadis			Address 1:			
Project Location (City, State): Tell City		Analyses Requested				Address 2:			E-mail Address:			
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix	Total # of Containers	2	0	C	Invoice To:					
If Rush, Report Due Date:							Company:					
Sampled By (Print): K							Address 1:					
Sample Description		Collection		Matrix	Total # of Containers	2	C	Address 2:		Comments	Lab ID	Lab Receipt Time
		Date	Time									
SAP-21-1		8/14/18	1500	S	2	X		TCE 3000, C-12D 300	31	1605		
SAP-21-4		8/14/18	1510	S	2	X		TCE 3000	32			
SAP-21-8		8/14/18	1515	S	2	X		TCE 30000 C-12D 400	33			
SAP-21-12		8/14/18	1520	S	2	X		ND	34			
SAP-21-16		8/14/18	1525	S	2	X		TCE 40	35			
SAP-22-1		8/14/18	1530	S	2	X		TCE 200000 → Wrong idea	36			
SAP-22-4		8/14/18	1540	S	2	X		TCE 600	37			
SAP-22-8		8/14/18	1545	S	2	X		TCE 2000	38			
SAP-22-12		8/14/18	1550	S	2	X		TCE 300000	39			
SAP-22-16		8/14/18	1555	S	2	X		TCE 400, C-12D 5000	40			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: OK		Date: 8/14/18	Time: 1605	Received By: Matthew Cullen		Date: 8-14-18	Time: 1605	
				Relinquished By:		Date:	Time:	Received By:		Date: 8-14-18	Time: 8:09:07-18	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N		



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CHAIN OF CUSTODY

No. 08750

Page: 1 of 2

Project Number:		PO Number:		Preservation Codes				Report To: <i>K. Antell</i>					
Project Name: <i>GE TC SAP</i>		Analyses Requested				Company: <i>NVC9819</i>							
Project Location (City, State): <i>Tell City</i>						Address 1:							
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush						Address 2:							
If Rush, Report Due Date:						E-mail Address:							
Sampled By (Print): <i>K</i>						Invoice To:							
						Company:							
						Address 1:							
						Address 2:							
								Lab ID	Lab Receipt Time				
Sample Description		Collection Date		Time		Matrix	Total # of Containers			Comments			
<i>SAP-23-1</i>		<i>8/15/18</i>		<i>1305</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 1000</i>	<i>01</i>	<i>1500</i>	
<i>SAP-23-4</i>		<i>8/15/18</i>		<i>1310</i>		<i>S</i>	<i>4</i>	<i>X</i>		<i>TCE 500</i>	<i>02</i>	<i>1500</i>	
<i>SAP-23-8</i>		<i>8/19/18</i>		<i>1315</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 6000 PCE 1000</i>	<i>03</i>	<i>1500</i>	
<i>SAP-23-12</i>		<i>8/15/18</i>		<i>1320</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 300000 PCE 14000</i>	<i>04</i>	<i>1500</i>	
<i>SAP-23-16</i>		<i>8/15/18</i>		<i>1325</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 120000 C-120 3000</i>	<i>05</i>	<i>1500</i>	
<i>SAP-24-1</i>		<i>8/15/18</i>		<i>1410</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 100</i>	<i>06</i>	<i>1500</i>	
<i>SAP-24-4</i>		<i>8/15/18</i>		<i>1435</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 130 NO SOIL SYRINGE</i>	<i>07</i>	<i>1500</i>	
<i>SAP-24-8</i>		<i>8/15/18</i>		<i>1440</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 7000</i>	<i>08</i>	<i>1500</i>	
<i>SAP-24-12</i>		<i>8/15/18</i>		<i>1445</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 900</i>	<i>09</i>	<i>1500</i>	
<i>SAP-24-16</i>		<i>8/15/18</i>		<i>1450</i>		<i>S</i>	<i>2</i>	<i>X</i>		<i>TCE 60</i>	<i>10</i>	<i>1500</i>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>OK</i>		Date: <i>8/15/18</i>		Time: <i>1645</i>		Received By: <i>Matthew Cullen</i>		Date: <i>8/15/18</i>	Time: <i>1645</i>
				Relinquished By:		Date:		Time:		Received By:		Date:	Time:
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08751

Page: 2 of 2

Lab Work Order #: R183303				Report To: K. Antell			
				Company: Arcadis			
Project Number: _____ PO Number: _____				Preservation Codes			
Project Name: GETC SAP				Analyses Requested			
Project Location (City, State): Tell City				Address 1:			
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				Address 2:			
If Rush, Report Due Date: _____				E-mail Address:			
Sampled By (Print): R				Invoice To:			
				Company:			
				Address 1:			
				Address 2:			
				Comments		Lab ID	Lab Receipt Time
Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers			
SAP-25-1	8/15/18	1515	S	2	X		
SAP-25-4	8/15/18	1517	S	2	X		
SAP-25-8	8/15/18	1520	S	2	X		
SAP-25-12	8/15/18	1525	S	2	X		
SAP-25-16	8/15/18	1530	S	2	X		
SAP-26-1	8/15/18	1620	S	2	X		
SAP-26-4	8/15/18	1625	S	2	X		
SAP-26-8	8/15/18	1630	S	2	X		
SAP-26-12	8/15/18	1635	S	2	X		
SAP-26-16	8/15/18	1640	S	2	X		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Other Comments:			
Relinquished By: <i>[Signature]</i>				Date: 8/15/18	Time: 1645	Received By: <i>[Signature]</i>	Date: 8/15/18 Time: 1645
Relinquished By: _____				Date: _____	Time: _____	Received By: _____	Date: _____ Time: _____
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date: _____ Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N



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CHAIN OF CUSTODY

No. 08752

Page: 1 of 4

Lab Work Order #: R183304	Report To: R. Rutell
	Company: Arceadis

Project Number:	PO Number:	Preservation Codes	Address 1:
Project Name: GE TC WAP-SAP		Analyses Requested	Address 2:
Project Location (City, State): Yell City			E-mail Address:

Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush If Rush, Report Due Date: Sampled By (Print): R	Matrix	Total # of Containers	U O C	Invoice To:
				Company:
				Address 1:
				Address 2:

Sample Description	Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time
	Date	Time											
SAP-27-1	8/16/18	855	S	2	X							01	1615
SAP-27-4	8/16/18	900	S	4	X							02	1615
SAP-27-8	8/16/18	905	S	2	X							03	1615
SAP-27-12	8/16/18	910	S	2	X							04	1615
SAP-27-16	8/16/18	915	S	2	X							05	1615
SAP-6-20	8/16/18	1130	S	2	X							06	1615
SAP-28-1	8/16/18	1145	S	2	X							07	1615
SAP-28-4	8/16/18	1155	S	2	X							08	1615
SAP-28-8	8/16/18	1200	S	2	X					Strong odor		09	1615
SAP-28-12	8/16/18	1205	S	2	X					Mild odor		10	1615

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other	Other Comments:	Relinquished By: [Signature]	Date: 8/16/18	Time: 1615	Received By: Matthew Culver	Date: 8/16/18	Time: 1615
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08754

Page: 3 of 4

Project Number:		PO Number:		Lab Work Order #: R183304				Report To: K Antell					
Project Name: GE TC SAP		Preservation Codes				Company: Arcadis			Address 1:				
Project Location (City, State): Tell City		Analyses Requested				Address 2:			E-mail Address:				
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix	Total # of Containers	V	O	C	Invoice To:						
If Rush, Report Due Date:							Company:						
Sampled By (Print): K							Address 1:						
Sample Description		Collection		Matrix	Total # of Containers	V	O	C	Comments	Lab ID	Lab Receipt Time		
		Date	Time										
SAP-29-1		8/16/18	1330	S	2	X				12	1615		
SAP-29-4		8/16/18	1340	S	2	X				13	1615		
SAP-29-8		8/16/18	1345	S	2	X				14	1615		
SAP-29-12		8/16/18	1350	S	2	X				15	1615		
SAP-29-16		8/16/18	1355	S	2	X				16	1615		
SAP-30-1		8/16/18	1410	S	2	X				17	1615		
SAP-30-4		8/16/18	1420	S	2	X				18	1615		
SAP-30-8		8/16/18	1425	S	2	X			strong color	19	1615		
SAP-30-12		8/16/18	1430	S	2	X				20	1615		
SAP-30-16		8/16/18	1435	S	2	X				21	1615		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:				Relinquished By: OK		Date: 8/16/18	Time: 1615	Received By: Matthew Culver		Date: 8/16/18	Time: 1615
						Relinquished By:		Date:	Time:	Received By:		Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 08755

Page: 4 of 4

Project Number: _____ PO Number: _____		Lab Work Order #: R183304		Report To: Keith Antell									
Project Name: GETC SAP		Preservation Codes		Company: ARCADIS									
Project Location (City, State): Tell City		Analyses Requested		Address 1:									
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; text-align: center;"> <tr><td>Matrix</td><td>Total # of Containers</td></tr> <tr><td></td><td>U</td></tr> <tr><td></td><td>O</td></tr> <tr><td></td><td>C</td></tr> </table>		Matrix	Total # of Containers		U		O		C	Address 2:	
Matrix	Total # of Containers												
	U												
	O												
	C												
If Rush, Report Due Date: _____		E-mail Address: Keith.Antell@Arcadis.com		Invoice To:									
Sampled By (Print): K				Company:									
				Address 1:									
				Address 2:									
Sample Description	Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time						
	Date	Time											
SAP-31-1	8-16-18	1515	S	2	X	22	1615						
SAP-31-4	8-16-18	1520	S	4	X	23	1615						
SAP-31-8	8-16-18	1530	S	2	X	24	1615						
SAP-31-12	8-16-18	1535	S	2	X	25	1615						
SAP-31-16	8-16-18	1540	S	2	X	26	1615						
<div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(45deg); opacity: 0.5;"></div>													
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: OK	Date: 8/16/18	Time: 1615	Received By: Matthias Pulver	Date: 8/16/18	Time: 1615				
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:	Date:	Time:	Received By:	Date: 8-16-18	Time: 1607-18				
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N						



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CHAIN OF CUSTODY

No. 09762

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Lab Work Order #: R183305				Report To: Cameron Stewart							
				Company: Arcadis							
Project Number: _____ PO Number: _____				Preservation Codes							
Project Name: GE Tell City				Analyses Requested							
Project Location (City, State): Tell City, IN				Address 1:							
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush				Address 2:							
If Rush, Report Due Date: _____				E-mail Address: Cameron.Stewart@Arcadis.com							
Sampled By (Print): Cameron Stewart				Invoice To:							
				Company:							
				Address 1:							
				Address 2:							
Sample Description		Collection		Matrix	Total # of Containers	826001 SIM	Comments	Lab ID	Lab Receipt Time		
		Date	Time								
SAP-32-1		8/17/18	0850 0805	S	1	X		01			
SAP-32-4		8/17/18	0855 0810	S	1	X		02			
SAP-32-8		8/17/18	0850 0815	S	1	X		03			
SAP-32-11		8/17/18	0840 0815	S	1	X		04			
SAP-32-12		8/17/18	0820	S	1	X		05			
SAP-32-16		8/17/18	0825	S	1	X		06			
SAP-33-1		8/17/18	0850	S	1	X		07			
SAP-33-4		8/17/18	0855	S	1	X		08			
SAP-33-8		8/17/18	0900	S	1	X		09			
SAP-33-12		8/17/18	0905	S	1	X		10			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: Cameron Stewart		Date: 8/17/18	Time: 1120	Received By: Matthew Oulve		Date: 8/17/18	Time: 1120
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09763

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Lab Work Order #: R183305	Report To: Cameron Stewart
	Company: Arcadis

Project Number:	PO Number:	Preservation Codes	Address 1:
Project Name: GE Tell City		Analyses Requested	Address 2:
Project Location (City, State): Tell City, IN			E-mail Address: Cameron.Stewart@arcadis.com

Turn Around (check one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): **Cameron Stewart**

Sample Description

Sample Description	Collection		Matrix	Total # of Containers	8260 DI SIM							Comments	Lab ID	Lab Receipt Time
	Date	Time												
SAP-33-16	8/17/18	0910	S	1	X								11	1120
SAP-34-16 1	8/17/18	0945	S	1	X								12	1120
SAP-34-4	8/17/18	0950	S	1	X								13	1120
SAP-34-8	8/17/18	0955	S	1	X								14	1120
SAP-34-12	8/17/18	1000	S	1	X								15	1120
SAP-34-16	8/17/18	1015	S	1	X								16	1120
SAP-35-1	8/17/18	1020	S	1	X								17	1120
SAP-35-4	8/17/18	1025	S	1	X								18	1120
SAP-35-8	8/17/18	1030	S	1	X								19	1120
SAP-35-12	8/17/18	1040	S	3	X							MS/MSD	20	1120

Preservation Codes
 A=None B=HCL C=H₂SO₄
 D=HNO₃ E=EnCore F=Methanol
 G=NaOH O=Other (Indicate)

Matrix Codes
 A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: Cameron Stewart	Date: 8/17/18	Time: 1120	Received By: Matthew Cuba	Date: 8/17/18	Time: 1120
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N
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CHAIN OF CUSTODY

No. 09766

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: R183402				Report To: Cameron Stewart				
Project Name: GE Tell City		Preservation Codes				Company: ARCADIS			Address 1:			
Project Location (City, State): Tell City, IN		Analyses Requested				Address 2:			E-mail Address: Cameron.Stewart@Arcadis.com			
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix	Total # of Containers	82603					Invoice To:			
If Rush, Report Due Date:									Company:			
Sampled By (Print):									Address 1:			
									Address 2:			
Sample Description		Collection		Matrix	Total # of Containers					Comments	Lab ID	Lab Receipt Time
		Date	Time									
AP-90(66-70)		8/21/18	815	W	3	X				ND <0.5	01	0820
AP-90(60-64)		8/21/18	835	W	2	X				ND <0.5	02	0840
AP-90(54-58)		8/21/18	855	W	2	X				ND <0.5	03	0907
AP-90(48-52)		8/21/18	915	W	2	X				ND <0.5	04	0942
AP-90(42-46)		8/21/18	0930	W	2	X				ND <0.5	05	0945
AP-90(38-42)		8/21/18	0940	W	2	X				Toluene 0.6	06	0945
AP-89(75-79) AP-87(75-79)		8/21/18	1120	W	2	X				ND <0.5	07	1130
AP-89(66-70) AP-87(66-70)		8/21/18	1140	W	2	X				TCE 0.6	08	1150
AP-89(58-62) AP-87(58-62)		8/21/18	1200	W	2	X				ND <0.5	09	1214
AP-89(50-54) AP-87(50-54)		8/21/18	1220	W	2	X					10	1250
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>Cameron Stewart</i>		Date: 8/21/18	Time: 1250	Received By: <i>Matthew Culver</i>		Date: 8/21/18	Time: 1250	
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:	
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N		



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CHAIN OF CUSTODY

No. 09767

Page: 2 of 2

Project Number:		PO Number:		Preservation Codes		Report To: <i>Cameron Stewart</i>				
Project Name: <i>GE Tell City</i>		Project Location (City, State): <i>Tell City, IN</i>		Analyses Requested		Company: <i>ARCADIS</i>				
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		If Rush, Report Due Date:		Sampled By (Print):		Address 1:				
Sample Description		Collection		Matrix	Total # of Containers	8260 B3	E-mail Address: <i>Cameron.Stewart@arcadis.com</i>			
		Date	Time				Invoice To:		Company:	
AP-87(37-41)		8/21/18	1240	W	2	X	Address 1:			
AP-89(79-83)		8/21/18	1430	W	2	X	Address 2:			
AP-89(70-74)		8/21/18	1600	W	2	X	Comments			
AP-89(62-66)		8/21/18	1620	W	2	X	Lab ID			
AP-89(54-58)		8/21/18	1630	W	2	X	Lab Receipt Time			
AP-89(46-50)		8/21/18	1645	W	2	X				
AP-89(37-41)		8/21/18	1700	W	2	X				
<i>MAN 8/21/18</i>										
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>Cameron Stewart</i>		Date: <i>8/21/18</i>	Time: <i>1710</i>	Received By: <i>Matthew Palmer</i>	Date: <i>8/21/18</i>	Time: <i>1710</i>
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:	Date:	Time:
				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:	Thermometer #/ Exp. Date:	
										Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N



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CHAIN OF CUSTODY

No. 09768

Page: 1 of 5

Project Number:		PO Number:		Preservation Codes		Report To: <i>Cameron Stewart</i>	
Project Name: <i>GE Tell City</i>		Analyses Requested		Lab Work Order #: <i>R183403</i>		Company: <i>ARCADIS</i>	
Project Location (City, State): <i>Tell City, IN</i>						Address 1:	
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush						Address 2:	
If Rush, Report Due Date:						E-mail Address: <i>Cameron.Stewart@ARCADIS.com</i>	
Sampled By (Print): <i>Cameron Stewart</i>						Invoice To:	
						Company:	
						Address 1:	
						Address 2:	
						Comments	
						Lab ID	
						Lab Receipt Time	
Sample Description		Collection Date Time		Matrix		Total # of Containers	
						<i>8260 DI SIM</i>	
<i>SAP-37-1</i>		<i>8/22/14 800</i>		<i>S 4</i>		<i>X</i>	
<i>SAP-37-4</i>		<i>8/22/18 810</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-37-8</i>		<i>8/22/16 820</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-37-12</i>		<i>8/22/16 825</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-37-16</i>		<i>8/22/18 830</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-38-1</i>		<i>8/22/18 840</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-38-4</i>		<i>8/22/18 845</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-38-8</i>		<i>8/22/18 850</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-38-12</i>		<i>8/22/18 855</i>		<i>S 2</i>		<i>X</i>	
<i>SAP-38-16</i>		<i>8/22/18 900</i>		<i>S 2</i>		<i>X</i>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Relinquished By: <i>Cameron Stewart</i> Date: <i>8/22/18</i> Time: <i>1000</i> Relinquished By: _____ Date: _____ Time: _____ Received By: <i>Matthew Colvin</i> Date: <i>8/22/18</i> Time: <i>1000</i> Received By: _____ Date: _____ Time: _____		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: _____ Receipt Temp: _____ Thermometer #/ Exp. Date: _____ Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09769

Page: 2 of 5

Project Number:		PO Number:		Lab Work Order #: R183403		Report To: Cameron Stewart					
Project Name: GE Tell City		Preservation Codes		Analyses Requested		Company: Arcadis					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): Cameron Stewart		E-mail Address: Cameron.Stewart@arcadis.com		Invoice To:					
Sample Description		Collection		Matrix	Total # of Containers	8260 DI SINX	Company:				
		Date	Time				Address 1:				
							Address 2:				
							Comments	Lab ID	Lab Receipt Time		
SAP-39-1		8/22/18	915	S	12	X		11	1000		
SAP-39-4		8/22/18	920	S	12	X		12	1000		
SAP-39-8		8/22/18	925	S	12	X		13	1000		
SAP-39-12		8/22/18	930	S	12	X		14	1000		
SAP-39-16		8/22/18	935	S	12	X		15	1000		
SAP-40-1		8/22/18	1130	S	1	X		16	1155		
SAP-40-4		8/22/18	1135	S	1	X		17	1155		
SAP-40-8		8/22/18	1140	S	1	X		18	1155		
SAP-40-12		8/22/18	1145	S	1	X		19	1155		
SAP-40-16		8/22/18	1150	S	3	X		20	1155		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: Cameron Stewart		Date: 8/22/18	Time: 1200	Received By: Matthew Culver		Date: 8/22/18	Time: 1200
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:		Date:	Time:
				Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:	
										Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09770

Page: ³ 4 of 5

Project Number:		PO Number:		Lab Work Order #: R183403		Report To: Cameron Stewart					
Project Name: GE Tell City		Preservation Codes		Analyses Requested		Company: Arcadis					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: Cameron.Stewart@arcadis.com		Address 1:					
If Rush, Report Due Date:		Matrix	Total # of Containers	8260 DI S/M		Invoice To:					
Sampled By (Print): Cameron Stewart						Company:					
Sample Description		Collection		Comments		Address 1:					
		Date	Time			Address 2:					
SAP-41-1		8/22/18	1205	S	2		21	1225			
SAP-41-4		8/22/18	1210	S	1		22	1225			
SAP-41-8		8/22/18	1215	S	1		23	1225			
SAP-41-12		8/22/18	1218	S	1		24	1225			
SAP-41-16		8/22/18	1220	S	1		25	1225			
SAP-42-1		8/22/18	1330	S	1		26	1345			
SAP-42-4		8/22/18	1335	S	1		27	1345			
SAP-42-8		8/22/18	1340	S	1		28	1345			
SAP-42-12		8/22/18	1342	S	1		29	1345			
SAP-42-16		8/22/18	1345	S	1		30	1345			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 8/22/18 Time: 1530		Received By: <i>[Signature]</i>		Date: 8/22/18 Time: 1530	
		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09771

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Project Number:		PO Number:		Preservation Codes		Report To: <u>Cameron Stewart</u>			
Project Name: <u>GE Tell City</u>		Analyses Requested		Lab Work Order #: <u>R183403</u>		Company: <u>Arcadis</u>			
Project Location (City, State): <u>Tell City, IN</u>		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:			
If Rush, Report Due Date:		Sampled By (Print): <u>Cameron Stewart</u>		E-mail Address: <u>Cameron.Stewart@arcadis.com</u>		Invoice To:			
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time	
		Date	Time						
<u>SAP-43-1</u>		<u>8/22/18</u>	<u>1355</u>	<u>S</u>	<u>1</u>	<u>X</u>	<u>TCE 230</u>	<u>31</u>	<u>1420</u>
<u>SAP-43-4</u>		<u>8/22/18</u>	<u>1400</u>	<u>S</u>	<u>1</u>	<u>X</u>	<u>TCE 60</u>	<u>32</u>	<u>1420</u>
<u>SAP-43-8</u>		<u>8/22/18</u>	<u>1403</u>	<u>S</u>	<u>1</u>	<u>X</u>	<u>TCE 260</u>	<u>33</u>	<u>1420</u>
<u>SAP-43-12</u>		<u>8/22/18</u>	<u>1408</u>	<u>S</u>	<u>1</u>	<u>X</u>	<u>TCE 170</u>	<u>34</u>	<u>1420</u>
<u>SAP-43-16</u>		<u>8/22/18</u>	<u>1410</u>	<u>S</u>	<u>3</u>	<u>X</u>	<u>TCE 9000</u> ^{<u>PCE 1000</u>}	<u>35</u>	<u>1420</u>
<u>SAP-44-1</u>		<u>8/22/18</u>	<u>1510</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>36</u>	<u>1530</u>
<u>SAP-44-4</u>		<u>8/22/18</u>	<u>1515</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>37</u>	<u>1530</u>
<u>SAP-44-8</u>		<u>8/22/18</u>	<u>1520</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>38</u>	<u>1530</u>
<u>SAP-44-12</u>		<u>8/22/18</u>	<u>1525</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>39</u>	<u>1530</u>
<u>SAP-44-16</u>		<u>8/22/18</u>	<u>1530</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>40</u>	<u>1530</u>
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <u>Cameron Stewart</u> Date: <u>8/22/18</u> Time: <u>1530</u>		Received By: <u>Matthew Carlin</u> Date: <u>8/22/18</u> Time: <u>1530</u>			
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:	
								Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09773

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: R183404		Report To: Cameron Stewart					
Project Name: GE Tell City		Preservation Codes		Analyses Requested		Company: Aradis					
Project Location (City, State): Tell City, IN		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		Address 2:					
If Rush, Report Due Date:		Sampled By (Print): Cameron Stewart		E-mail Address: Cameron.Stewart@aradis.com		Invoice To:					
Sample Description		Collection		Matrix	Total # of Containers	8160 DI SIM	Comments	Lab ID	Lab Receipt Time		
		Date	Time								
SAP-46 (X)-1		8/23/18	1000	S	1	X		01	1130		
SAP-46 (X)-4		8/23/18	1005	S	1	X		02	1130		
SAP-46 (X)-8		8/23/18	1010	S	1	X		03	1130		
SAP-46 (X)-12		8/23/18	1015	S	1	X		04	1130		
SAP-46 - 16		8/23/18	1020	S	1	X		05	1130		
SAP-47 - 1		8/23/18	1025	S	1	X		06	1130		
SAP-47 - 4		8/23/18	1030	S	1	X		07	1130		
SAP-47 - 8		8/23/18	1035	S	1	X		08	1130		
SAP-47 - 12		8/23/18	1040	S	1	X		09	1130		
SAP-47 - 16		8/23/18	1045	S	1	X		10	1130		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Relinquished By: Cameron Stewart Relinquished By:		Date: 8/23/18 Time: 1130 Date: Time:		Received By: Matthew Culver Received By:		Date: 8/23/18 Time: 1130 Date: Time:			
Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 09774

Page: 1 of: 2

Lab Work Order #: R183404	Report To: Cameron Stewart
	Company:

Project Number:	PO Number:	Preservation Codes	Address 1:
-----------------	------------	--------------------	------------

Project Name: GE Tell City	Analyses Requested	Address 2:
-----------------------------------	--------------------	------------

Project Location (City, State): Tell City, IN	E-mail Address: Cameron.Stewart@arcadis.com
--	--

Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush	Matrix Total # of Containers REG PI 5142	Invoice To:
--	---	-------------

If Rush, Report Due Date:	Company:
---------------------------	----------

Sampled By (Print): Cameron Stewart	Address 1:
--	------------

	Address 2:
--	------------

Sample Description	Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time
	Date	Time											
SAP-48-1	8/23/18	1050	S	1	X							11	1130
SAP-48-4	8/23/18	1055	S	3	X							12	1130
SAP-48-8	8/23/18	1100	S	1	X							13	1130
SAP-48-12	8/23/18	1105	S	1	X							14	1130
SAP-48-16	8/23/18	1110	S	1	X							15	1130
<i>mm 8/23/18</i>													

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)	Other Comments:	Relinquished By: Cameron Stewart	Date: 8/23/18	Time: 1717	Received By: Matthew Culve	Date: 8/23/18	Time: 1717
---	------------------------	---	----------------------	-------------------	-----------------------------------	----------------------	-------------------

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
------------------	-------	-------	--------------	-------	-------

Matrix Codes A=Air S=Soil W=Water O=Other	Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N
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APPENDIX E

Field Notes



Location ~~GE~~ ^{ES} Tell City, IN Date 8/22/2018
 Project / Client GE Tell City

SAP-37 Log

Samples

1-0800 12-0825
 4-0810 16-0830
 8-0820

Depth(ft) Description

0-8.7 10 YR 5/4 Yellowish brown; silty clay;
 not stiff; moist; SIPI; no s/o
 8.7-13.8 10 YR 5/1 Gray; silty clay; not
 stiff; moist; SIPI; no s/o
 13.8-16.0 10 YR 5/2 grayish brown; clayey
 silt; stiff; dry; NPL; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-38 Log Samples

1-0840 12-0855
 4-0845 16-0900
 8-0850

Depth(ft) Description

0-~~3.5~~^{ES} 2.0 10 YR 4/2 dark grayish brown;
 silty clay; firm; dry; SIPI;
 stain and odor at 0'-1'
~~2.0~~^{ES} 3.5-11.5 10 YR 5/4 Yellowish Brown;
 silty clay; not stiff; moist;
 SIPI; no s/o
 11.5-14.0 10 YR 5/4 Yellowish Brown; ~~silty~~^{ES}
~~clay~~^{ES}; Sand, medium grained,
 well sorted; loose; dry; no s/o
 14.0-16.0 10 YR 5/3 Brown; Sand, fine-
 medium grained, moderately sorted;
 some clay-silt; loose; saturated;
 no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-39 Log

Samples

1-0915 12-0930
 4-0920 16-0935
 8-0925

Depth (ft)Description

0-2.0 10YR 4/2 grayish brown;
 silty clay; firm; dry; SI PL;
 no stain, slight odor

2.0-12.0 7.5YR 5/4 Brown; silty clay;
 firm-not stiff; dry-moist; SL PL;
 no s/o

12.0-12.9 7.5YR 5/6 Strong Brown; Sand,
 medium grained, well sorted; loose;
 damp; no s/o

12.9-13.8 7.5YR 5/4 Brown; silty clay; stiff;
 moist; SI PL; no s/o

13.8-16.0 7.5YR 5/1 Gray; silty clay; stiff;
 damp; SI PL; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-40 Log

Samples

• located between columns
 J and KL in 2nd row
 to the North

1-1130 12-1145
 4-1135 16-1150
 8-1140

Depth (ft)Description

0-8 7.5YR 5/4 Brown; silty
 clay; firm; damp; SL PL;
 no s/o

8-16 7.5YR 5/2 Brown; silty clay;
 firm; damp; SL PL; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-41 Log Samples
 • Located between EF
 and G in row 1
 1-1205 12-1218
 4-1210 16-1220
 8-1215

Depth(ft)	Description
0-9.5	7.5 YR 5/4 Brown; silty clay; firm; moist; slightly plastic; no s/o
9.5-16	7.5 YR 5/1 Gray; silty clay; not stiff; moist; slightly plastic; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-42 Log Samples
 • Located between
 BC and D in
 row 1
 1-1330 12-1342
 4-1335 16-1345
 8-1340

Depth(ft)	Description
0-6.5	10 YR 5/6 Strong Brown; clayey silt; firm; dry; slightly non plastic; no s/o
6.5-8.0	10 YR 5/6 Strong Brown; silt, sand, and clay; loose; dry; non-plastic; no s/o
8.0-13.5	7.5 YR 5/4 Brown; silty clay; not stiff; moist; slightly plastic; no s/o
13.5-16.0	7.5 YR 5/1 Gray; silty clay; not stiff; moist; sl PL; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-43 Log

• Located between
 BC and D in
 row 2

Samples

1-1355 12-1408
 4-1400 16-1410
 8-1403

Depth (ft)

Description

0-12.5 7.5 YR 5/6 Strong Brown; clayey
 silt; not stiff; dry; non plastic-
 SLRL; no s/o

12.5-16.0 7.5 YR 5/4 Brown; silty clay;
 not stiff; moist; SLPL; no s/o

Location Tell City, IN Date 8/22/18
 Project / Client GE Tell City

SAP-44 Log

• Located 25'
 South of
 SAP-18

Samples

1-1510 12-1525
 4-1515 16-1530
 8-1520

Depth (ft)

Description

0-6 7.5 YR 5/4 Brown; silty
 clay; firm; dry; SLPL;
 no s/o

6-16 7.5 YR 5/2 Brown; silty
 clay; firm; damp-dry;
 SLPL; no s/o

Location

Tell City, IN

Date

8/22/19

Project / Client

GE Tell City

SAP-45 Log

Samples

• Located 25' South
of SAP-17

1-1340 12-1355
4-1345 16-1400
8-1358

Depth (ft)

Description

0-6	7.5 YR 5/4 Brown; silty clay; firm; dry; SLPL; no s/o
6-16	7.5 YR 5/2 Brown; silty clay; firm; damp-dry; SLPL; no s/o
0-8	7.5 YR 5/4 Brown; silty clay; firm; dry; SLPL; no s/o
8-16	7.5 YR 5/2 Brown; silty clay; firm; damp-dry; SLPL; no s/o

CS

Location

Tell City, IN

Date

8/23/2018

Project / Client

GE Tell City

0745 Began PZ-1 drilling

PZ-1 Log

Depth (ft)

Description

(0-2.5)	Backfill; concrete and gravel
(2.5-6.5)	10YR 5/4 Yellowish Brown; silty clay; not stiff; moist; SLPL; no s/o
(6.5-11.5)	10YR 5/3 Brown; clayey silt; non-semi plastic; firm; dry; no s/o
(11.5-13.0)	2.5 Y 5/3 light olive brown; clay; high plasticity; firm; moist; no s/o
(13.0-14.0)	2.5 Y 5/1 Gray; clay; high plasticity; not stiff; moist; no s/o
(14.0- 24.5)	10YR 5/2 grayish brown; silty clay; firm; moist; no s/o; high part
(24.5 24.5-32)	10 YR 5/2 grayish brown; silty clay; not stiff; moist; SLPL; no s/o
(32-36)	5Y 4/3 olive; silty clay; firm moist; SLPL; no s/o

continued on page

Location Tell City, IN Date 8/23/18
Project / Client GE Tell City

D850 PZ-1 install
(28'-38') 1" PVC #10-slot screen in
#5 Filter sand
(26'-~~27'~~^{27'}) 1" PVC riser in #5 filter sand
(0'-26') 1" PVC riser in bentonite pellets
- cut riser top near ground
level and add cap

<u>Depth(ft)</u>	<u>Description</u>
(36-37)	5Y 5/1 Gray; Silty clay; soft; saturated; SLPL; no s/o
(37-38)	5Y 5/1; Gray; Silty clay; soft slightly stiff; moist; SLPL no s/o

0920 SCS offsite to buy asphalt
patching materials

Location Tell City, IN Date 8/23/18
Project / Client GE Tell City

<u>SAP-46</u>	<u>Log</u>	<u>Samples</u>
• located 100ft East of NW corner of building and in line with SAP-6		1-1000 12-1015 4-1005 16-1020 8-1010

<u>Depth(ft)</u>	<u>Description</u>
(10-6.8)	10YR 5/6 Yellowish brown; silty clay; not stiff; moist SLPL; no s/o
(6.8-11.0)	10YR 5/3 Brown; silty clay; firm; dry; SLPL; no s/o
(11.0-16.0)	10YR 4/2 Dark grayish brown; silty clay; firm; moist; SLPL; no s/o

Location Tell City, IN Date 8/23/18
 Project / Client GE Tell City

SAP-47 Log	Samples	
located ~25' North of SAP-46 in line with borings running E-W.	1 - 1025	12 - 1040
	4 - 1030	16 - 1045
	8 - 1035	

Depth (ft)	Description
(0-10)	10YR 5/6 Yellowish Brown; silty clay; not stiff; moist; SLPL; no s/o
(10-12)	10YR 5/3 Brown; silty clay; firm; dry; SLPL; no s/o
(12-16)	10YR 5/2 Grayish brown; silty clay; firm; dry; SLPL; no s/o

Location Tell City, IN Date 8/23/18
 Project / Client GE Tell City

SAP-48 Log	Samples	
located ~25' North of SAP-47 in line with borings running E-W	1 - 1050	12 - 1105
	4 - 1055(3)	16 - 1110
	8 - 1100	

Depth (ft)	Description
(0-8.5)	10YR 5/6 Yellowish Brown; silty clay; not stiff; moist; SLPL; no s/o
(8.5-10.8)	10YR 5/6 Yellowish Brown; silty clay; not stiff; saturated; SLPL; no s/o
(10.8-12.0)	10YR 5/6 Yellowish brown; sand, medium grained, well sorted; some clay-silt; loose; damp; no s/o
(12.0-16.0)	10YR 5/2 Grayish brown; silty clay; firm; dry; SLPL; no s/o

SOIL BORING LOG

Boring No.: SAP-32

Sheet: 1 of

Project Name: _____ Date Started: 8/17/18 Logger: C. Stewart
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1						(0.0 - 7.0) 7.5 YR S/2 Brown; silty clay; firm; dry SIPI; no S/O	
2						(7.0 - 10.8) 7.5 YR S/1 Gray; silty clay; firm; moist; SIPI	
3						(10.8 - 16.0) 7.5 YR S/1 Gray Clayey silt; firm; moist; non plastic; black stain and odor at 11.0 - 11.5	
4							
5						Sample 5: 1 0805	
6						4 0810 8 0815	
7						12 0820 16 0825	
8						11 0840	
9							
10							

Drilling Co.: _____
 Driller: _____
 Drilling Method: _____
 Drilling Fluid: _____
 Remarks: 1', 4', 8', 12', 16' Samples
and 11

Sampling Method: _____
 Sampling Interval: _____
 Water Level Start: _____
 Water Level Finish: _____
 Converted to Well: Yes No
 Surface Elev: _____
 North Coord: _____
 East Coord: _____

SOIL BORING LOG

Boring No.: SAP-33
Sheet: 1 of

Project Name: _____ Date Started: 8/17/2018 Logger: C. Stewart
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1						(0.0-8.5) 7.5 YR 5/6 Strong Brown; silty clay; firm; moist; S/Pl; no s/o	
2						(8.5-9.5) 7.5 YR 5/1 Gray; silty clay; firm; moist; S/Pl; no s/o	
3						(9.5-16.0) 7.5 5/1 Gray; clayey silt; firm; moist; non plastic; no s/o	
4							
5						Samples	
						1 0850	
6						4 0855	
						8 0900	
7						12 0905	
						16 0910	
8							
9							
10							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG

 Boring No.: SAP-34

Sheet: 1 of

Project Name: _____	Date Started: <u>8/17/18</u>	Logger: <u>C. Stewart</u>
Project Number: _____	Date Completed: _____	Editor: _____
Project Location: _____	Weather Conditions: _____	

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1						(0.0 - 86) 7.5YS 5/4 Brown; silty clay; firm; dry; SLPL; no S/O	
2						(80 - 160) 7.5 YR 5/2 Brown; silty clay; firm; dry-moist; SLPL; no S/O	
3							
4							
5							
6							
7						Samples	
						1 0945	
8						4 0950	
						8 0955	
9						12 0955 1000	
						16 1015	
10							

Drilling Co.: _____ Driller: _____ Drilling Method: _____ Drilling Fluid: _____ Remarks: _____	Sampling Method: _____ Sampling Interval: _____ Water Level Start: _____ Water Level Finish: _____ Converted to Well: <input type="checkbox"/> Yes <input type="checkbox"/> No Surface Elev: _____ North Coor: _____ East Coor: _____
--	--

SOIL BORING LOG

 Boring No.: SAP-35

Sheet: 1 of

Project Name: _____	Date Started: <u>8/17/2018</u>	Logger: <u>C. Stewart</u>
Project Number: _____	Date Completed: _____	Editor: _____
Project Location: _____	Weather Conditions: _____	

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1						(0.0 - 8.0) 7.5VR 5/4 Brown silty clay; firm; dry; s/Pl; no s/o	
2						(8.0 - 16.0) 7.5VR 5/2 Brown silty clay firm; dry - moist; s/Pl; no s/o	
3							
4							
5							
6							
7						Samples 1 1020	
8						4 1025 8 1030	
9						12 (3) 1040 16 1045	
10							

Drilling Co.: _____ Driller: _____ Drilling Method: _____ Drilling Fluid: _____ Remarks: _____	Sampling Method: _____ Sampling Interval: _____ Water Level Start: _____ Water Level Finish: _____ Converted to Well: <input type="checkbox"/> Yes <input type="checkbox"/> No Surface Elev: _____ North Coor: _____ East Coor: _____
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SOIL BORING LOG

Boring No.: **SAP-36**
Sheet : 1 of

Project Name: _____ Date Started: **8/17/2018** Logger: **C. Stewart**
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1						(0.0 - 7.8) 7.5 YR 5/2 Brown; silty clay; firm; dry-moist; no s/o ^{slip}	
2						(7.8 - 16.0) 7.5 YR 5/4 Brown; silty clay; slip; firm; dry-moist; no s/o	
3							
4							
5							
6						Samples	
						1 1035	
7						4 1040 1042	
						8 1045 1047	
8						12 1056	
9						16 1100	
10							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Cor: _____
 East Cor: _____

SOIL BORING LOG

Boring No.: MW-9
Sheet: 1 of 5

Project Name: _____ Date Started: 8/15/18 Logger: C. Stewart
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: Tell City, IN Weather Conditions: 70-80°F w/ changes in clouds

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details	
1			Hand auger 60 24 38			(0-1.5) Sand, vt-f, moderately sorted; And silt; few granules, sub angular to sub rounded; loose; dry; yellowish brown (10YR 5/4)		
2								
3							(1.5-3.0) Sand, vt-f, moderately sorted; And clay-silt, slightly plastic; few granules, sub angular-sub rounded; loose; dry; Brown (7.5YR 4/4)	
4								
5							(3.0-7.8) Silt, non plastic RD; some sand, vt; sparse clay; soft; moist; strong brown (7.5YR 5/6)	
6							(7.8-8.3) Sand, fine-med., moderately sorted; some silt; soft; moist; strong brown (7.5YR 5/6)	
7								
8							(8.3-11) Silt, non plastic, RD; some sand, vt; soft; moist; strong brown (7.5YR 5/6)	
9								
10								

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG

Boring No.: MW-9
Sheet: 2 of 5

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
11			38			(11 - 12.5) Sand, very fine - fine, moderately sorted; some silt; soft; moist; strong brown (7.5 YR 5/6)	
12							
13						(12.5 - 12.9) Silt, non plastic, RD; slightly stiff; moist; strong brown (7.5 YR 5/6)	
14			48			(12.9 - 14.4) Sand, very fine - fine, moderately sorted; some silt; soft; saturated; strong brown (7.5 YR 5/6)	
15						(14.4 - 15.5) Clay, high plasticity, ND; sparse sand, vt-f; soft; moist; strong brown (2.5 YR 5/6)	
16						(15.5 - 16.0) Sand, very fine - medium, moderately sorted; some clay-silt; soft; wet; strong brown (7.5 YR 4/6)	
17						(16.0 - 16.7) Clay, high plasticity, ND; some sand, vt-fine; soft; wet; strong brown (10 YR 4/6)	
18			48			(16.7 - 18.0) Clay, high plasticity, ND, soft; wet; yellowish brown (10 YR 5/4)	
19						(18.0 - 19.9) Silt, non plastic, RD; soft; saturated; Gray (10 YR 5/1)	
20						(19.9 - 20.0) Clay, high plasticity, ND; soft; moist; Gray (10 YR 5/1)	

Drilling Co.: _____
 Driller: _____
 Drilling Method: _____
 Drilling Fluid: _____
 Remarks: _____

Sampling Method: _____
 Sampling Interval: _____
 Water Level Start: _____
 Water Level Finish: _____
 Converted to Well: Yes No
 Surface Elev: _____
 North Coord: _____
 East Coord: _____

SOIL BORING LOG

Boring No.: **MW-9**
Sheet: **3** of **5**

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
21			48			(20.0-22.1) Sand, very fine; And silt, non plastic, RD; soft; saturated; Dark Gray (5YR 4/0)	
22						(22.1-23.5) Clay, high plasticity, ND; soft; moist; Grayish brown (10YR 5/2)	
23						(23.5-24.0) silt, non plastic, RD; soft; moist; Grayish brown (10YR 5/2)	
24						(24.0-32.1) Silt, non plastic, RR; some sting 1" clay lenses; slightly stiff; moist; olive gray (5Y 4/2)	
25						(32.1-32.5) silt, non plastic, RD; And sand, very fine; soft; saturated; olive gray (5Y 4/2)	
26						(32.5-35.4) Clay, high plasticity, ND; some silt; sparse sand, very fine; soft; wet; olive gray (5Y 4/2)	
27						(35.4-37.2) Sand, very fine, well sorted; And silt, non plastic; soft; saturated; olive gray (5Y 4/2)	
28							
29							
30							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG

Boring No.: MW-9
Sheet: 4 of 5

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
31			45"			(31.2 - 48.2) Clay, high plasticity, NO; medium stiff; dry; (2.5Y 5/1) Gray (2.5Y 5/1)	
32						(48.2 - 49.7) Sand, very fine, moderately sorted; Aub silt; soft saturated; Gray (2.5Y 5/1)	
33						(49.7 - 50.0) clay, high plasticity, NO; med. stiff; moist; Gray (2.5Y 5/1)	
34			48"				
35							
36							
37							
38			48"				
39							
40							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Coor: _____
 East Coor: _____

SOIL BORING LOG

Boring No.: MW-9
Sheet: 5 of 5

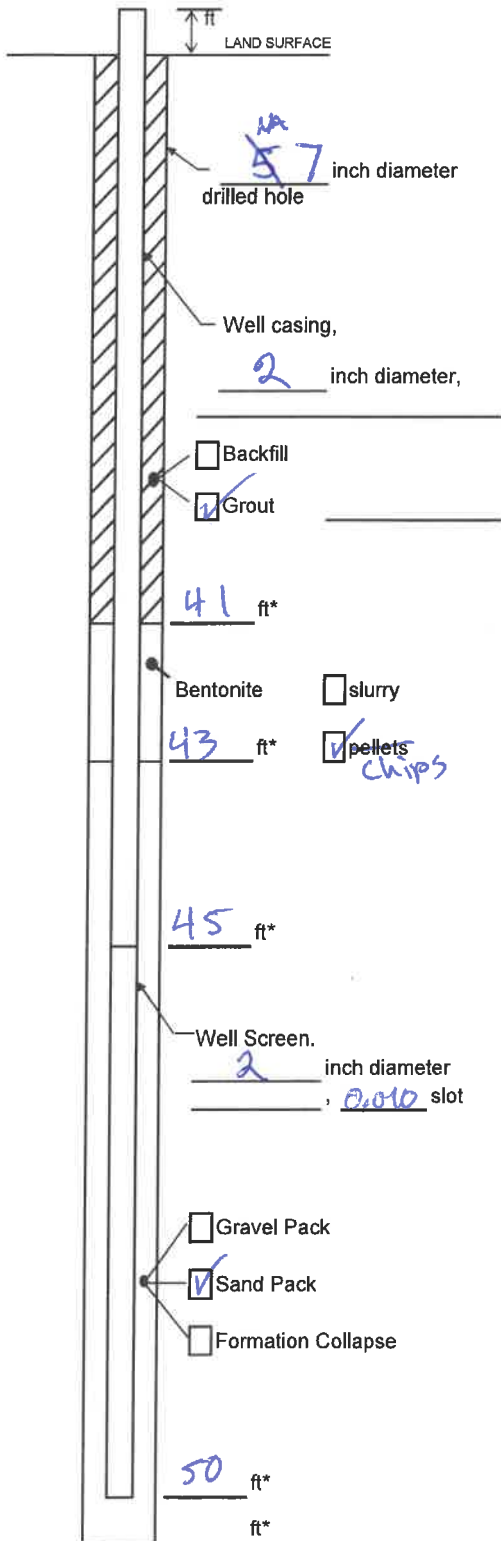
Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
41			↓				
42							
43							
44							
45							
46				48			
47							
48							
49				24			
50							

Drilling Co.: _____
 Driller: _____
 Drilling Method: _____
 Drilling Fluid: _____
 Remarks: _____

Sampling Method: _____
 Sampling Interval: _____
 Water Level Start: _____
 Water Level Finish: _____
 Converted to Well: Yes No
 Surface Elev: _____
 North Coor: _____
 East Coor: _____

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project GE Tell City Well MW-9D
Town/City Tell City, IN
County _____ State _____
Permit No. _____
Land-Surface (LS) Elevation and Datum:
_____ feet Surveyed
_____ feet Estimated
Installation Date(s) 8-15-2018
Drilling Method Hallowstem
Drilling Contractor SCS
Drilling Fluid None

Development Technique(s) and Date(s)

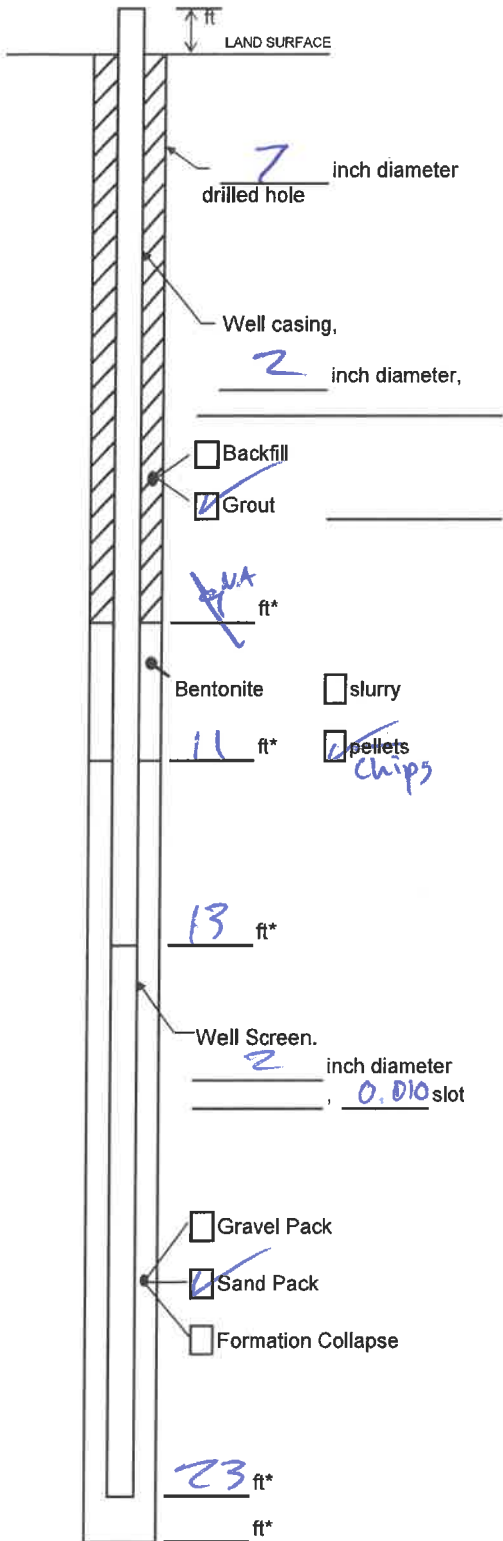
Fluid Loss During Drilling _____ gallons
Water Removed During Development _____ gallons
Static Depth to Water 0.15 feet below M.P.
Pumping Depth to Water _____ feet below M.P.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft

Well Purpose _____

Remarks 2ft West of MW-95

Prepared by Cameron Stewart

WELL CONSTRUCTION LOG
(Unconsolidated)



Project GE Tell City Well MW-9S
 Town/City Tell City, IN
 County _____ State _____
 Permit No. _____
 Land-Surface (LS) Elevation and Datum:
 _____ feet Surveyed
 _____ feet Estimated
 Installation Date(s) 8-15-2018
 Drilling Method Hollow stem
 Drilling Contractor SCS
 Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons
 Water Removed During Development _____ gallons
 Static Depth to Water _____ feet below M.P.
 Pumping Depth to Water _____ feet below M.P.
 Pumping Duration _____ hours
 Yield _____ gpm Date _____
 Specific Capacity _____ gpm/ft

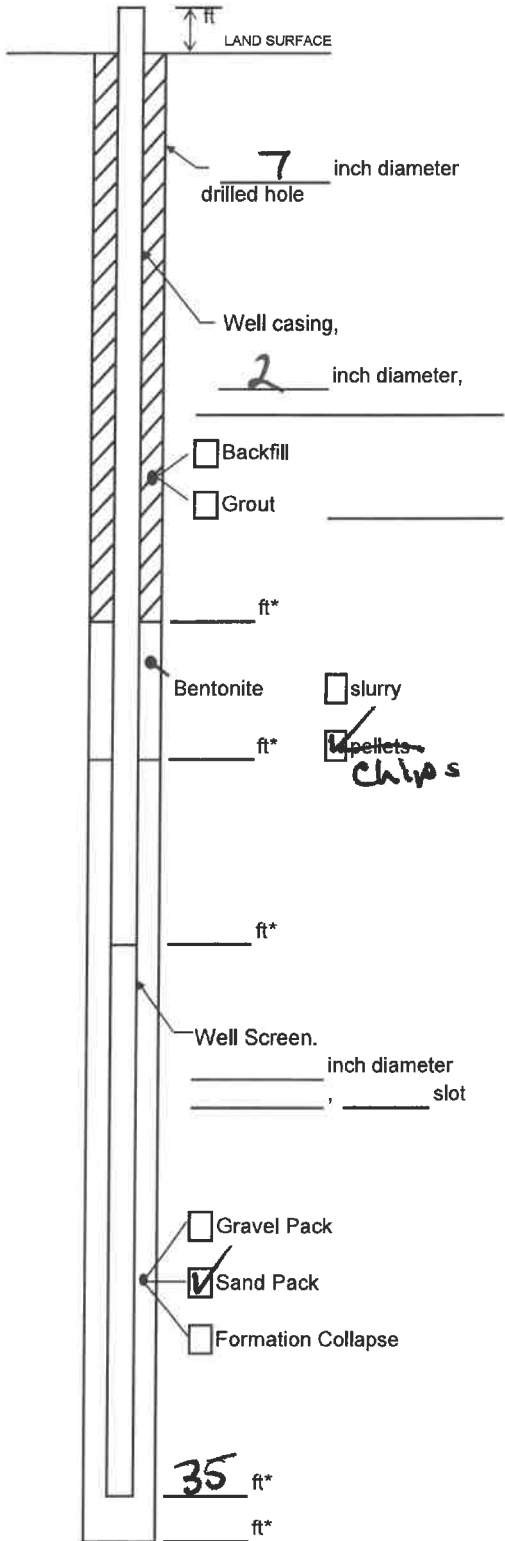
Well Purpose _____

Remarks 2ft East of MW-9D

Measuring Point is
 Top of Well Casing
 Unless Otherwise Noted.
 * Depth Below Land Surface

Prepared by Cameron Stewart

WELL CONSTRUCTION LOG
(Unconsolidated)



Project GE Tell City Well MW-10S

Town/City _____

County _____ State _____

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet Surveyed

Estimated

Installation Date(s) 8-16-2018

Drilling Method Hollow Stem

Drilling Contractor SCS

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

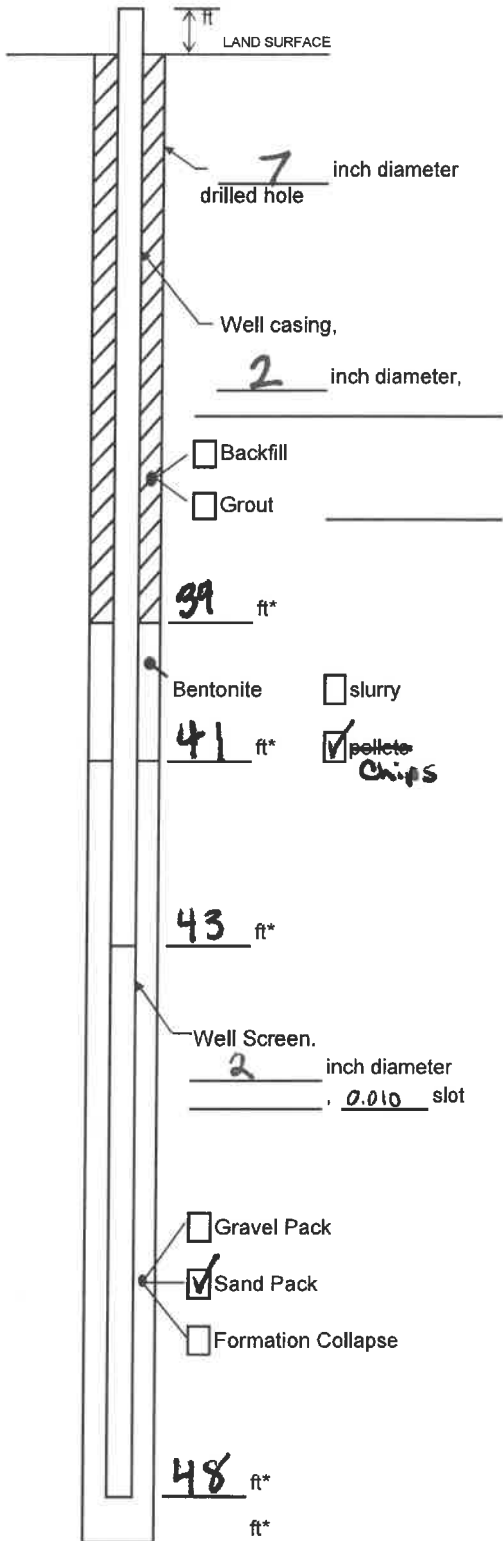
Well Purpose _____

Remarks 2 ft east of MW-90

Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Prepared by _____

WELL CONSTRUCTION LOG
(Unconsolidated)



Project GE Tell City Well MW-100

Town/City Tell City, IN

County _____ State _____

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet Surveyed

Estimated

Installation Date(s) 8-16-2018

Drilling Method Hallow Stem

Drilling Contractor SCS

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose _____

Remarks 2 ft west of MW-95

Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Prepared by _____

Borehole and Well Construction Log





Project No. ALL00911.0017.1000B

Site Location Tell City, IN

Well ID MW-11
 Date Begin 8/21/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 280-497-9006)
 Rig Type Hollow Stem Auger
 Method _____

Total Depth Drilled 35'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Fl. Rec.	Blow Count	PID (ppm)
					Description			
Time Setting Well Begin: <u>1325</u> End: <u>1530</u>					Time Begin: <u>1210</u> End: <u>1320</u>			
Boring Dia. <u>2"</u> ID <u>4.5"</u> OD <u>5"</u>		0						
Construction Intervals (ft BGS) Riser: <u>25'</u> Screen: <u>10'</u> Surf. Seal: <u>25'</u> Seal: <u>23'</u> Filter Pack: <u>12'</u> Backfill: _____		1			Hand Auger to 5ft. Cored through 4" of Asphalt			
Materials Riser: <u>Sch 40 PVC</u> 50lb Screen: <u>Sch 40 PVC</u> <u>10 slot</u> Surf. Seal: <u>Bentonite</u> Seal: <u>Bentonite</u> Filter Pack: <u>#5 sand</u> Backfill: <u>Bentonite</u>		2			Blind Drilling No borehole logging			
Surface Completion Protection: <u>8" lid</u> <u>12" metal skirt</u> Pad: <u>2x2</u> <u>Concrete</u> Lock: _____ Date/Time: <u>8/21/18</u>		3						
ARCADIS Personnel Field Work: <u>Dakota Guidry-Alegri</u> Log Draft: _____ Symbols Grout:  Bentonite:  Sand:  Gravel:  Backfill: <u>X</u> Contact: _____ Implied or Gradational Contact: _____		4						
DTW bmp <u>25.2'</u> # of 50lb filter pack bags <u>4</u> # of 50lb bentonite bags <u>8.5</u>		5			5'			
		6						
		7						
		8						
		9			Hollow Stem Auger			
		10			10'			
		11						
		12						
		13						
		14						
		15			15'			
		16						
		17						
		18						
		19						
		20			20'			
		21						
		22						
		23						
		24						
		25			25'			
		26						
		27						
		28						
		29						
		30			30'			

o filter sand placed around top of casing

Bentonite






Sand

Borehole and Well Construction Log

Well ID MW-11
 Date Begin 8/21/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-497-9006)
 Rig Type Hollow Stem Auger
 Method _____

Total Depth Drilled 35'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Fl. Rec.	Blow Count	PID (ppm)
Time Setting Well Begin: _____ End: _____								
Construction Intervals (ft BGS) Riser: <u>See page 1</u> Screen: _____ Surf. Seal: _____ Seal: _____ Filter Pack: _____ Backfill: _____								
Materials Riser: _____ Screen: _____ Surf. Seal: _____ Seal: _____ Filter Pack: _____ Backfill: _____								
Surface Completion Protection: _____ Pad: _____ Lock: _____ Date/Time: _____								
ARCADIS Personnel Field Work: <u>Dakota Guidry-Alegria</u> Log Draft: _____								
Symbols Grout:  Bentonite:  Sand:  Gravel:  Backfill: X Contact: _____ Implied or Gradational Contact: - - - - -								
Boring Dia. 								
		0						
		1						
		2						
		3						
		4						
		5						
		6						
		7						
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						
		21						
		22						
		23						
		24						
		25						
		26						
		27						
		28						
		29						
		30						

Hollow Stem Auger

35' Total depth of well 34.61' top of casing

TD below ground surface 35.0'

Time
 Begin: _____
 End: _____

Borehole and Well Construction Log

Project No. ALL00911.0017.1000B

Site Location Tell City, IN

Well ID MW-12
 Date Begin 8/21/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-497-9006)
 Rig Type Hollow Stem
 Method Hollow

Total Depth Drilled 38'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log	Depth (ft)	Soil Run	Class	Borehole Log Description	Fl. Rec.	Blow Count	PID (ppm)
Time Setting Well Begin: <u>0900</u> End: <u>1045</u> Boring Dia. <u>2"</u> ID <u>1045</u> OD <u>8"</u>	0			Time Begin: <u>0745</u> End: <u>0835</u> Blind Drill No borehole log			
Construction Intervals (ft BGS) Riser: <u>28'</u> Screen: <u>10'</u> Surf. Seal: <u>002'</u> Seal: <u>24'</u> Filter Pack: <u>12'</u> Backfill: _____	1-2			Hand auger 5' Core through 6" of Asphalt			
Materials Riser: <u>Sch 40 PVC</u> Screen: <u>10'</u> <u>Sch 40 PVC</u> <u>10 slot</u> Surf. Seal: <u>Bentonite</u> Seal: <u>Bentonite</u> Filter Pack: <u>15 sand</u> Backfill: <u>Bentonite</u>	3-10			10' - Hollow Stem Auger			
Surface Completion Protection: <u>8" Lid</u> <u>12" metal skirt</u> Pad: <u>2x2'</u> Lock: _____ Date/Time: <u>8/21/18</u>	11-15			15'			
ARCADIS Personnel Field Work: <u>Dakota Guidry-Alegri</u> Log Draft: _____	16-20			20'			
Symbols Grout: Grout Bentonite: Bentonite Sand: Sand Gravel: Gravel Backfill: <u>X</u> Contact: _____ Implied or Gradational Contact: _____	21-25			25'			
DTW' <u>110'</u> Gt bmp <u>5</u> Bags of filter pack <u>111</u> 50 lb Bags of Bentonite <u>111</u> chips 20 lb	26-30			30'			

1 bag of sand at top of well casing





Bentonite

Borehole and Well Construction Log

Well ID M10-12
 Date Begin 8/21/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-497-9006)
 Rig Type Hollow Stem Auger
 Method _____

Total Depth Drilled 38'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Sp/Run	Class	Borehole Log	Fl. Rec.	Blow Count	PLD (ppm)
<p>Time Setting Well</p> <p>Begin: _____</p> <p>End: _____</p> <p>Construction</p> <p>Intervals (ft BGS)</p> <p>Riser: <u>28'</u></p> <p>Screen: <u>10'</u></p> <p>Surf. Seal: _____</p> <p>Seal: _____</p> <p>Filter Pack: _____</p> <p>Backfill: _____</p> <p>Materials</p> <p>Riser: _____</p> <p>Screen: _____</p> <p>Surf. Seal: _____</p> <p>Seal: _____</p> <p>Filter Pack: _____</p> <p>Backfill: _____</p> <p>Surface Completion</p> <p>Protection: _____</p> <p>Pad: _____</p> <p>Lock: _____</p> <p>Date/Time: _____</p> <p>ARCADIS Personnel</p> <p>Field Work: <u>Dakota Guidry-Alegri</u></p> <p>Log Draft: _____</p> <p>Symbols</p> <p>Grout: </p> <p>Bentonite: </p> <p>Sand: </p> <p>Gravel: </p> <p>Backfill: X</p> <p>Contact: _____</p> <p>Implied or Gradational Contact: - - - - -</p>		<p>Boring Dia. \rightarrow</p> <p>0</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> <p>26</p> <p>27</p> <p>28</p> <p>29</p> <p>30</p>			<p>Time</p> <p>Begin: <u>0745</u></p> <p>End: <u>0835</u></p> <p><u>Hollow Stem Auger</u></p> <p><u>35'</u></p> <p><u>38'</u></p> <p><u>37.6' at top of casing</u></p> <p><u>Total depth below top of casing</u></p> <p><u>38.0' from below ground surface</u></p>			

Borehole and Well Construction Log

Project No. ALL00911.0017.1000B

Site Location Tell City, IN

Well ID MX-13
 Date Begin 8/22/18
 Date End 8/23/18

Contractor/Driller SCS (Curt Lubert 260-407-9006)
 Rig Type Hollow Stem Auger
 Method Blind Drill

Total Depth Drilled 35'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum






Well Construction Log		Depth (ft)	Sp Run	Class	Borehole Log	FL Rec.	Blow Count	PID (ppm)
<p>Time Setting Well Begin: <u>0935</u> End: <u>1320</u></p> <p>Construction</p> <p>Intervals (ft-BGS) Riser: <u>22'</u> Screen: <u>10'</u> Surf. Seal: <u>2'</u> Seal: <u>20'</u> Filter Pack: <u>12'</u> Backfill: _____</p> <p>Materials Riser: <u>Sch 40 RC</u> Screen: <u>10 slot Sch 40 RC</u> Surf. Seal: <u>Bentonite</u> Seal: <u>Bentonite</u> Filter Pack: <u>#5 sand</u> Backfill: <u>Bentonite</u></p> <p>Surface Completion Protection: <u>8" lid 12" metal shield</u> Pad: <u>2x2 Concrete</u> Lock: _____ Date/Time: _____</p> <p>ARCADIS Personal Field Work: <u>Dakota Guidry-Alegri</u> Log Draft: _____</p> <p>Symbols Grout: [Symbol] Bentonite: [Symbol] Sand: [Symbol] Gravel: [Symbol] Backfill: X Contact: _____ Implied or Gradational Contact: _____</p>								
<p>Boring Dia. [Symbol]</p> <p>Time Begin: <u>0800</u> End: <u>0900</u></p> <p>Blind Drill - No borehole log</p> <p>Hand Auger to 5 feet</p> <p>5'</p> <p>10'</p> <p>15'</p> <p>20'</p> <p>25'</p> <p>30'</p>		0						
<p>DTW from top of casing ground surface: <u>32.5'</u></p> <p># of filter packs bags: <u>111</u></p> <p># of bentonite bag: <u>111</u></p>		1						
		2						
		3						
		4						
		5						
		6						
		7						
		8						
		9			Hollow Stem Auger			
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						
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		22						
		23						
		24						
		25						
		26						
		27						
		28						
		29						
		30						

Borehole and Well Construction Log

Well ID MW-13
 Date Begin 8/21/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-497-8006)
 Rig Type Hollow Stem Auger
 Method Blind Drill

Total Depth Drilled 35'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Fl. Rec.	Blow Count	PID (ppm)
Time Setting Well Begin: _____ End: _____								
Construction Intervals (ft BGS) Riser: _____ Screen: _____ Surf. Seal: _____ Seal: _____ Filter Pack: _____ Backfill: _____								
Materials Riser: _____ Screen: _____ Surf. Seal: _____ Seal: _____ Filter Pack: _____ Backfill: _____								
Surface Completion Protection: _____ Pad: _____ Lock: _____ Date/Time: _____								
ARCADIS Personnel Field Work: <u>Dakota Guidry-Alegri</u> Log Draft: _____								
Symbols Grout:  Bentonite:  Sand:  Gravel:  Backfill: X Contact: _____ Implied or Gradational Contact: - - - - -								
		0						
		1						
		2						
		3						
		4						
		5						
		6						
		7						
		8						
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		28						
		29						
		30						

Time
 Begin: _____
 End: _____

Hollow Stem Auger

34'

35'

Drilled to 35' set well at 34'

(Collected Shelby tube at 34'-35' interval @ 0900)

Top of casing 33.60
 Ground surface 34.00

Borehole and Well Construction Log





Project No. ALL00911.0017.10008

Site Location Tell City, IN

Well ID MU-14
 Date Begin 8/22/18
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-467-9006)
 Rig Type Hollow Stem Auger
 Method Blind Drill

Total Depth Drilled _____
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Ft. Rec.	Blow Count	PID (ppm)	
<p>Time Setting Well Begin: <u>1446</u> End: <u>1600</u></p> <p>Construction</p> <p>Intervals (ft BGS) Riser: <u>28</u> Screen: <u>10'</u> Surf. Seal: <u>2</u> Seal: <u>24</u> Filter Pack: <u>12'</u> Backfill: _____</p> <p>Materials</p> <p>Riser: <u>Sch 40</u> Screen: <u>TUC</u> <u>Sch 40 PVC</u> <u>10 slot</u></p> <p>Surf. Seal: <u>Bentonite</u> Seal: <u>Bentonite</u></p> <p>Filter Pack: <u>#5 Sand</u> Backfill: <u>Bentonite</u></p> <p>Surface Completion</p> <p>Protection: <u>8" lid</u> <u>12" metal skirt</u> Pad: <u>2x2 concrete</u> <u>Pad</u></p> <p>Lock: _____ Date/Time: _____</p> <p>ARCADIS Personnel</p> <p>Field Work: <u>Dakota Guidry-Alegri</u> Log Draft: _____</p> <p>Symbols</p> <p>Grout: </p> <p>Bentonite: </p> <p>Sand: </p> <p>Gravel: </p> <p>Backfill: <u>X</u></p> <p>Contact: _____ Implied or Gradational Contact: _____</p>		<p>Boring Dia. \rightarrow</p> <p>Time Begin: <u>1350</u> End: <u>1436</u></p> <p>0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Blind Drill No boring log</p> <p>- Hand Auger</p> <p>5'</p> <p>10' Hollow Stem Auger</p> <p>15'</p> <p>20'</p> <p>25'</p> <p>30'</p>							

DTW from ground surface
 \rightarrow 32.29'

of filter pack 50lb bag
11

of bentonite 50lb bags
11

Sand

Borehole and Well Construction Log

Well ID MCO-14
 Date Begin _____
 Date End _____

Contractor/Driller SCS (Curt Lubert 260-497-9006)
 Rig Type _____
 Method _____

Total Depth Drilled 38'
 Sample Method/Size N/A
 Cutting Disposal 50 gallon drum

Well Construction Log		Depth (ft)	Sp. Run	Class	Borehole Log Description	Ft. Rec.	Blow Count	PID (ppm)
<p>Time</p> <p>Setting Well</p> <p>Begin: _____</p> <p>End: _____</p>					<p>Time</p> <p>Begin: _____</p> <p>End: _____</p>			
<p>Construction</p> <p>Intervals (ft B o S)</p> <p>Riser: _____</p> <p>Screen: _____</p> <p>Surf. Seal: _____</p> <p>Seal: _____</p> <p>Filter Pack: _____</p> <p>Backfill: _____</p> <p>Materials</p> <p>Riser: _____</p> <p>Screen: _____</p> <p>Surf. Seal: _____</p> <p>Seal: _____</p> <p>Filter Pack: _____</p> <p>Backfill: _____</p> <p>Surface Completion</p> <p>Protection: _____</p> <p>Pad: _____</p> <p>Lock: _____</p> <p>Date/Time: _____</p>		<p>Boring Dia. \leftarrow \rightarrow</p>			<p>35'</p> <p>38'</p> <p>Depth of well</p> <p>Ground surface: 38'</p> <p>Top of casing:</p>			
<p>ARCADIS Personnel</p> <p>Field Work: <u>Dakota Guidry-Alegri</u></p> <p>Log Draft: _____</p> <p>Symbols</p> <p>Grout: </p> <p>Bentonite: </p> <p>Sand: </p> <p>Gravel: </p> <p>Backfill: X</p> <p>Contact: _____</p> <p>Implied or Gradational Contact: - - - - -</p>								
		0						
		1						
		2						
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		4						
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		27						
		28						
		29						
		30						

SOIL BORING LOG

Boring No.: AP-71
Sheet: 1 of 7²

Project Name: GE Tell City Date Started: 8/20/2018 Logger: C. Stewart
Project Number: _____ Date Completed: _____ Editor: _____
Project Location: Tell City, IN Weather Conditions: Cloudy, 70°F-80°F

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details	
1						(0.0 - 2.0) Clay, med. plasticity, ND; And sand-gravel, fine-very coarse, sub ang- sub round, pebbles are small-med; not stiff; damp; Dark reddish gray (5Y 4/2)		
2								
3							(2.0 - 5.2) Clay, med. plasticity, ND; Some sand, gravel, fine-very coarse, sub ang-sub round, pebbles are small-med; not stiff; damp; Very dark gray (7.5 YR 3/1) Note: Very strong odor	
4								
5							(5.2 - 8.0) Silt, sig non plastic, RD; Some clay, med plasticity, ND; dry; med stiff; light yellowish brown (10 YR 6/4)	
6								
7								
8								
9								
10								

Drilling Co.: SCS
Driller: Tray Johnson
Drilling Method: _____
Drilling Fluid: _____
Remarks: _____

Sampling Method: _____
Sampling Interval: _____
Water Level Start: _____
Water Level Finish: _____
Converted to Well: Yes No
Surface Elev: _____
North Coord: _____
East Coord: _____

SOIL BORING LOG

 Boring No.: AP-71
 Sheet: 2 of 7

Project Name: _____	Date Started: _____	Logger: _____
Project Number: _____	Date Completed: _____	Editor: _____
Project Location: _____	Weather Conditions: _____	

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
1			48"			(8.0 - 14.5) Silt, non plastic, RD; some clay, med. plasticity, ND; moist; med stiff; Brown (7.5 YR 5/3)	Note: Black staining in spots, no sds
2			↓			(14.5 - 16.2) Clay, med plastic, ND; same silt, non plastic, RD; damp; not stiff; Brown (10YR 4/2)	
3			↓			(16.2 - 17.5) Clay, med plastic, ND; some sand - gravel, fine-medium, small pebbles, sub ang. - sub round; stiff; damp; Dark brown (7.5YR 3/2)	
4			48"				
5			↓			(17.5 - 19.9) Clay, high plasticity, ND; some silt - very fine sand, which increases with depth; not stiff; damp	
6			↓			Reddish Brown (5YR 5/4)	
7			↓				
8			48"				
9			↓				
10			↓				

Drilling Co.: _____ Driller: _____ Drilling Method: _____ Drilling Fluid: _____ Remarks: _____	Sampling Method: _____ Sampling Interval: _____ Water Level Start: _____ Water Level Finish: _____ Converted to Well: <input type="checkbox"/> Yes <input type="checkbox"/> No Surface Elev: _____ North Cor: _____ East Cor: _____
--	--

SOIL BORING LOG

Boring No.: **AP-71**
Sheet: **3** of **7**

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
21			33"			(19.9 - 27.5) Sand, fine-med, moderately well sorted; dry; loose; light brown (7.5 YR 6/4)	
22						(22.5 - 23.8) Clay, med plasticity, ND; some silt - fine sand, mica flakes; damp; stiff; Reddish brown (5 YR 5/3)	
23						(23.8 - 25.4) Sand, fine-med, well sorted; damp; loose; reddish brown (5 YR 5/4)	
24						(25.4 - 28.8) Sand, fine-med, moderately sorted; some pebbles, angular-sub angular, small-med; dry; loose; light brown (7.5 YR 6/4)	
25							
26				30"			(28.8 - 32.0) Sand, fine-coarse, moderately well sorted; damp; loose; strong brown (7.5 YR 5/6)
27						(32.0 - 43.5) Sand, fine-coarse, moderately sorted; some pebbles, small, sub ang-sub round; moist; loose; strong brown (7.5 YR 4/6)	
28							
29			31"				
30							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Coord: _____
 East Coord: _____

SOIL BORING LOG

Boring No.: **AP-71**
Sheet: **4** of **7**

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
31			31"				
32							
33							
34			48"				
35							
36							
37							
38			48"				
39							
40							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Cor: _____
 East Cor: _____

SOIL BORING LOG

Boring No.: **AP-71**
Sheet: **5** of **7**

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details	
41			48"			(43.5 - 44.0) Clay, high plasticity, ND; soft; wet; yellowish red (5YR 5/4) Reddish Brown		
42						(44.0 - 45.0) Sand, very fine-med, med. sorted, and clay, med plasticity, ND; moist loose; strong brown (7.5 YR 5/6) Note: sand could be from hole collapse		
43								
44							(45.0 - 48) Clay, high plasticity, ND; soft; wet; Brown (7.5 YR 5/3)	
45							(48 - 52) Clay, med plasticity, ND; and silt, non plastic, RD, saturated, not slightly stiff; Gray (7.5 YR 5/1)	
46			48"			(52 - 54.5) Sand, fine-med, med sorted; some silt; moist; loose Dark gray (5 YR 4/1)		
47			48"			54.5 (54.5 - 55.5) Clay, med plasticity, ND; and silt, non plastic, RD, saturated, slightly stiff; Gray (7.5 YR 5/1)		
48						X		
49								
50			48"					

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: 66 - 62 - 66' Converted to Well: Yes No
50 - 54' Surface Elev: _____
 North Cor: _____
 East Cor: _____

SOIL BORING LOG

Boring No.: **AP-71**
Sheet: **6** of **7**

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
51			48"			(55.5 - 57.8) Sand, fine-med, moderately sorted; some silt; saturated; loose; Gray (7.5 YR 5/1)	
52						(57.6 - 58.0) Clay, med. plasticity, ND; some silt, non plastic, RD; not stiff; saturated; Gray (7.5 YR 5/1)	
53						(58.0 - 59.0) sand, fine-med, moderately sorted; some silt; saturated; loose; Gray (7.5 YR 5/1)	
54			48"			(59.0 - 59.2) Clay, med. plasticity, ND; some silt, non plastic, RD; not stiff; saturated; Gray (7.5 YR 5/1)	
55						(59.2 - 63.5) Sand, fine-medium, moderately sorted; some silt, non plastic, RD; saturated; loose; Gray (7.5 YR 5/1)	
56						(63.5 - 65.5) Sand, fine - very coarse, poorly sorted; some pebbles, small-med, sub. ang. - sub round. some clay-silt; non plastic; dry-damp; slightly stiff; Gray (7.5 YR 5/1)	
57							
58			48"			(65.5 - 66.6) Clay, high plasticity, ND; dry; stiff; Very dark gray (7.5 YR 3/1)	
59							
60							

Drilling Co.: _____
 Driller: _____
 Drilling Method: _____
 Drilling Fluid: _____
 Remarks: _____

Sampling Method: _____
 Sampling Interval: _____
 Water Level Start: _____
 Water Level Finish: _____
 Converted to Well: Yes No
 Surface Elev: _____
 North Coord: _____
 East Coord: _____

SOIL BORING LOG

Boring No.: AP-71
Sheet: 7 of 7

Project Name: _____ Date Started: _____ Logger: _____
 Project Number: _____ Date Completed: _____ Editor: _____
 Project Location: _____ Weather Conditions: _____

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
61							
62			48"				
63							
64							
65			24"				
66						Hit refusal	
7							
8							
9							
10							

Drilling Co.: _____ Sampling Method: _____
 Driller: _____ Sampling Interval: _____
 Drilling Method: _____ Water Level Start: _____
 Drilling Fluid: _____ Water Level Finish: _____
 Remarks: _____ Converted to Well: Yes No
 Surface Elev: _____
 North Cor: _____
 East Cor: _____

Boring/Well SAP-5 Project/No. _____ Page 1 of _____
 Site Location GE TC Drilling Date/Time Started 8/9 Drilling Date/Time Completed _____
 Drilling Contractor SLS Driller Josh
 Drilling Fluid Used _____ Drilling Method probe
 Length and Diameter of Coring Device 1.25" / 4' Sampling Interval 4' feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum NAD 83
 Total Depth Drilled _____ Feet Hole Diameter _____ Coring Device _____
 Prepared By _____ Hammer Weight _____ Hammer Drop _____ ins.
 GPS Coordinates _____

Sampling Data:

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
<u>1</u>	<u>1320</u>		<u>12</u>	
<u>4</u>			<u>16</u>	
<u>8</u>				

Soil Characterization:

Sample/Core Depth (Feet bls) From To	Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	Interval From - To (feet bls)	Sample/Core Description
				<u>7.5</u>	<u>strong brown</u>
				<u>0-11</u>	<u>7.5 YR 5/8 silty clay firm dry SPI no 5/0</u>
				<u>11-14.5</u>	<u>7.5 YR 4/1 dark gray sandy silt firm NPIS clay no 5/0</u>
				<u>14.5-16</u>	<u>7.5 YR 5/6 silty clay firm dry SPI no 5/0</u>

Subject <i>GETC SAP borings</i>			
Project No.		Sheet	
Calculations By <i>K</i>	Date <i>8/10/18</i>	Checked By	Date

SAP 9

1- 815
2- 825
3- 835

12 840
16 845

0- 2.5

7.5 YR 5/8 strong brown silty clay firm dry SIP1 NO S/O

2.5- 16

7.5 YR 4/1 dark gray silty clay soft damp SIP1 NO S/O

SAP-12

1- 935
2- 840

4 945
8 1015

12 1020
16 1025

0- 0.5'

concrete/fill

0.5- 2.0

7.5 YR 5/1 silty clay soft damp SIP1 NO S/O

2- 2.5

7.5 YR 5/1 gray back fill sand sand with strong organic odor

2.5- 4

7.5 YR 5/1 silty clay soft damp SIP1 some odor no stain

4- 6

7.5 YR 5 Y3 brown medium to coarse sand slight odor

This upper 6' is a backfill zone next to a storm drain

6- 16

7.5 YR 4/1 dark gray silty clay firm dry SIP1

Subject			
Project No.		Sheet	
Calculations By	Date	Checked By	Date
K	8/14/18		

5 AP- 10 1 - 955 12 1020
 4 1010 16 1025
 8 1015
 0 - 6 7.5 YR 1/8 strong brown
 silty clay firm clay 51PI no S/O
 6 - 16 7.5 YR 4/1 dark gray silty clay
 firm clay 51PI no S/O
 very soft 4/1 silt @ 14'

5 AP- 11 1 1125 12 1145
 4 1135 16 1150
 8 1140
 0 - 7 mixed fill and 7.5 YR 4/8 strong
 brown silty clay 51PI no S/O
 7 - 7.5 YR 4/1 dark gray silty
 clay firm clay 51PI no S/O

Subject GETC SAP			
Project No.		Sheet	
Calculations By K	Date 8/13	Checked By	Date

SAP 13 13-1 11/5 13-8 12/5 13-16
 13-4 12/0 13-12 12/0

0-8 7.5YR 5/8 strong brown silty
 clay firm dry SPI no S/O

8-16 7.5YR 4/2 dark gray silty
 clay firm dry SPI no S/O
 natural ~~at~~ silt seam +/- 6.25'
 thick found @ 10'

SAP-14 14-2 1325 14-12 1345
 14-4 1330 14-16 1350
 14-8 1340

0-2 concrete/fill

2-8 7.5YR 5/4 strong brown silty
 clay firm dry SPI no S/O

8- 7.5YR 5/1 gray silty clay firm
 dry with some dampness SPI no S/O

Subject <i>GE TC SAP meetings</i>			
Project No.		Sheet	
Calculations By <i>K</i>	Date <i>28/13/18</i>	Checked By	Date

SAP-15 *15-1 1410* *15-12 1454* *15-3 1435*
15-4 1440 *15-16 1505*
15-8 1450

0-12 *7.5 YR 6/6 reddish yellow silty clay fine dry SPI no S/O*
** dark black staining with strong organic odor noted @ 3'*

12-16 *7.5 YR 4/1 dark gray silty clay fine dry SPI no S/O*

SAP-15 *16-1 1550* *16-12 1610*
16-4 1555 *16-13 1615*
16-8 1600

0-12 *7.5 YR 6/6 reddish yellow silty clay fine dry and damp to moisture spots SPI no S/O*

12-16 *7.5 YR 4/1 dark gray silty clay fine dry SPI no S/O*

Subject GETC SAP			
Project No.		Sheet	
Calculations By K	Date 8/14/18	Checked By	Date

SAP-19 1 1220 12 1300
 2 1230 16 1305
 8 1255

0-3 7.5YR 5/4 brown silty clay
 fine dry SIP1 no S/O

3-4' 7.5YR 4/1 gray silty sand
 with 2.5/1 black staining
 strong organic occlusion

SAP-20 1 1330 12 1405
 4 1355 16 1410
 8 1400

0-4 7.5YR 5/8 strong brown silty clay
 fine dry SIP1 no S/O

4-16 7.5YR 4/1 dark gray silty clay
 fine clay SIP1 no S/O

Subject GE TC SAP			
Project No.		Sheet	
Calculations By K	Date 8/15/18	Checked By	Date

SAP-25

1 1515	12 1525
4 1517	16 1530
8 1520	

0-11 7.5 YR 5/2 brown silty clay
firm dry SPI no S/O

11-16 7.5 YR 4/1 dark gray silty clay
stiff to soft

SAP-26

1 1620	12
4 1625	16
8 1630	

0-6 ~~10~~ 7.5 YR 5/6 strong brown silty
clay firm dry SPI no S/O

6-16 7.5 YR 5/1 gray silty clay
soft moist Plastic no S/O

Subject GETC3AP			
Project No.		Sheet	
Calculations By K	Date 8/16/18	Checked By	Date

5 AP-27 1 855 12 910
 4 900
 8 905 16 915

0-10.5 7.5YR 4/6 strong brown silty clay firm dry SPI no S/O

10.5-16 7.5YR 4/1 dark gray silty clay firm moist SPI no S/O

5 AP-6 20 @ 1130

7.5YR 4/1 dark gray silty clay firm and dry (damp zone noted @ 18-19') SPI no S/O

5 AP-28 1 1145 12
 4 1155 16
 8 1200

0-81 7.5YR 4/6 strong brown silty clay firm dry SPI no S/O
 * heavily stained seam with black voids encountered @ 8'

8-12 only about 1' recovery of black stained silty clay and voids strong color

12-16 7.5YR 4/6 strong brown silty clay soft damp SPI no S/O

Subject GE TC SAP			
Project No.		Sheet	
Calculations By K	Date 8/16/18	Checked By	Date

SAP-29

1 1330	12 13450
4 1340	16 13455
8 1345	

0- 7.5'

7.5YR 4/4 brown silty clay
firm clay SPI no S/O

7.5-14'

7.5YR 4/4 brown clayey
silt damp to saturated soft
~~NPI~~ NPL no S/O

14-16

7.5Y 4/4 brown medium
grained sand soft dry no S/O

SAP-30

1 1410	12 1430
4 1420	16
8 1425	

6- 7

7.5YR 4/4 brown silty clay
firm clay SPI no S/O

7-8'

7.5YR 4/1 dark gray clayey silt
soft damp NPI no S/O stain
strong odor @ 8' interval

8- 11

7.5YR 4/0 strong brown silty
clay firm damp no S/O

11-

7.5YR 4/1 dark gray clayey silt
soft damp

Subject GE TC SAP			
Project No.		Sheet	
Calculations By K	Date 8/6/18	Checked By	Date

SAP-31

1 1515 12
4 1520 16
8 1530

0 - 10.5

7.5 YR 5/4 brown silty clay
firm clay SPI no 5/0

10.5 - 15

7.5 YR 4/1 gray clayey silt
soft wet SPI no 5/0

15 - 16

7.5 YR 5/4 brown medium grained
sand to small granules to silt.
NPI some black stain? depth 10cm

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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the bottom of the page. Two other lines are diagonal, starting from the bottom left and extending towards the top right, crossing the horizontal line.