Orangeburg Commons Site
Periodic Review Report

170 Route 303, Orangeburg
Rockland County, New York
NYSDEC BCP Site Number: C344073

Prepared for:
FB Orangetown, LLC
c/o RD Management Corporation
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For Submittal to:
NYS Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, Section A
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October 2016

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1.0 EXECUTIVE SUMMARY

On behalf of FB Orangetown, LLC (the Remedial Party), Matthew M. Carroll, P.E. and Tenen Environmental, LLC have prepared this Periodic Review Report (PRR) for the property located at 170 Route 303 in Orangeburg, Rockland County, NY (the Site). The Site, known as Orangeburg Commons, is a 15.8-acre parcel that is bordered by commercial, light industrial, and residential properties and developed with a grocery story and hotel. A Site location map is included as Figure 1 and current Site uses are shown on Figure 2.

This document has been prepared in accordance with the Site Management Plan (SMP) dated October 2013 and approved by the New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Site # C344073, which was executed on November 7, 2011 and last amended April 12, 2012. A Certificate of Completion was issued for the Site on November 26, 2013.

The work completed and reported in this PRR complies with the SMP and includes groundwater sampling; soil vapor, indoor air and ambient air sampling; and, inspections of engineering controls. The Site is currently in compliance with the material elements of the SMP. The remedial program, as detailed in the SMP, continues to be effective.

Based on the continued effectiveness of the remedial program and compliance with the approved SMP, no changes to the SMP or PRR reporting frequency are recommended. The requirements for discontinuing Site management activities have not been met.

2.0 BACKGROUND AND SETTING

This section includes a description of the Site, and summaries of Site characteristics, historic operations and regulatory interactions.

2.1 Site Description

Orangeburg Commons is an irregularly shaped parcel of approximately 15.8 acres located on State Route 303 in Orangeburg, a hamlet located in the Town of Orangetown, Rockland County, New York. The Site is used for mixed-use commercial development and is occupied by a Stop and Shop supermarket and Residence Inn extended stay hotel. The Site is zoned commercial and light industrial. The surrounding area is used for commercial, light industrial and residential purposes.

The Site is identified as Block 754, Lot 74.15-1-21 on Rockland County Tax Map #74.15. The Site is bounded by Stevens Way followed by a Lowe's Home Improvement Store to the north, wooded land and the Palisades Interstate Parkway to the south, New York State Route 303 followed by commercial properties to the east, and Greenbush Road and a commercial/residential lot followed by a vacant lot and railroad tracks to the west. A Site Location Map is included as Figure 1.

2.2 Geological Setting

Rockland County is a suburban county located approximately 15 miles northwest of New York City. According to the Nyack US Topographic Map (2013), the Site is located approximately 80 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). Elevations at the Site and surrounding area range from approximately 65 to 100 feet above the National Geodetic Vertical Datum of 1929. (Environmental Easement, FB Orangetown LLC, September 30, 2013). The closest natural water body is a small, unnamed Class C stream located across Route 303. The stream drains into the Sparkill Creek, located approximately 0.3 miles east of the Site. A constructed stormwater detention basin, which contains surface water, is located on-Site along Route 303. Federally designated wetlands are present along the southern portion of the Site.

Borings completed prior to redevelopment to evaluate subsurface conditions identified the top five to 15 feet of material over the majority of the Site as a mixture of fill containing topsoil, sand and gravel with varying amounts of construction and demolition (C&D) debris, brick, glass fragments and pieces of Orangeburg pipe. The last is a type of pipe constructed of fiber and bituminous pitch. The fill material was underlain by a layer of glacial till containing a low-permeability mixture of reddish brown sand, gravel, silt and clay. Deeper native overburden above the bedrock contained some stratified drift deposits. The depth to bedrock ranges from 35 to 45 feet below grade. Bedrock is characterized as the Brunswick Formation, a sandstone conglomerate. Groundwater exists beneath the Site in three distinct units: a shallow water table at nine to 15 feet below grade within fill material and shallow till sediments; a second groundwater unit in the deep till and stratified drift deposits; and a third unit consisting of a bedrock aquifer. Pre-remedy groundwater flow measurements indicate southeast flow in the

shallow aquifer and groundwater flow to the east in the deep and bedrock aquifers.

Groundwater monitoring wells are shown on Figure 3. The shallow aquifer groundwater flow direction, measured during the most recent March 2016 sampling event, is generally to the east and is shown on Figure 4. The groundwater flow direction in the deeper water bearing units was not measured during this period.

2.3 Historic Operations

The Site was once a portion of the Orangeburg Pipe property, which began manufacturing pipe in the 1890s. The Site was reportedly used primarily for storage, but also for disposal of pipe that did not meet manufacturing specifications. Prior to 1946, the pipe was manufactured by impregnating paper fiber cylinders with coal tar pitch; from 1946 to 1970, a paper/asbestos mixture was used to make the cylinders; and, after 1970, wollastonite (a fibrous magnesium oxide mineral) replaced asbestos in the process. After manufacturing ceased in 1973, most of the manufacturing facility on the northern adjacent property was destroyed by fire, with the remaining structures reportedly demolished, and demolition debris deposited at the Site.

2.4 Regulatory Background

FB Orangetown LLC (FB Orangetown) and the New York State Department of Environmental Conservation (NYSDEC) entered into a Brownfield Cleanup Agreement (BCA) on November 7, 2011, pursuant to which FB Orangetown agreed to investigate, remediate and redevelop a 15.8-acre property known as Orangeburg Commons. The Site was managed in accordance with the BCA, which was most recently amended on April 12, 2012. The Site has been remediated in accordance with the BCA and the NYSDEC-approved Remedial Action Work Plan (RAWP) dated May 18, 2012 prepared by AKRF Engineering, P.C.

After completion of the remedial work described in the RAWP, a Final Engineering Report (FER) was prepared by Landmark Consultants Corporation (Landmark) of Brooklyn, New York and certified by Richard Zaloum, P.E. on November 23, 2013. In order to manage residual contamination at the Site, Landmark prepared a Site Management Plan (SMP) dated October 2013 that was subsequently approved by NYSDEC. The work described in this Annual Environmental Compliance Report was completed in accordance with the approved SMP.

3.0 ENGINEERING AND INSTITUTIONAL CONTROLS

Several engineering controls (ECs) and institutional controls (ICs) are present at the Site to protect human health and the environment. A description of these controls and the current status of each are provided below. The Institutional and Engineering Controls Certification Form is included in Appendix 1.

3.1 Engineering Controls

3.1.1 Soil Cover System

A variety of soil cover systems were implemented throughout the entire footprint of the Site, ensuring that the entire property is capped. The soil cover systems are comprised of a minimum of 24 inches of clean soil, plastic liners, asphalt pavement, concrete sidewalks and concrete building slabs.

Capping of the Site in the developed areas includes buildings, asphalt pavement and concrete sidewalks. The impacted residual soil below the buildings was excavated to depths between 5.5 and 22 feet below grade and the excavations backfilled with clean fill. In order to create a safe workspace for Site workers, each area was eventually capped with a layer of high-density polyethylene (HDPE), a gravel layer and concrete slab. For landscaped areas greater than 2,500 square feet, inclusive of the stormwater basins, the areas with residual soil impacts were capped with an HDPE liner and covered with a minimum two feet of clean fill. For landscaped areas less than 2,500 square feet, including the islands in the parking lot, the areas with residual soil impacts were capped with two feet of clean fill overlying a demarcation layer. Utility trenches installed in the fill were over-excavated, and then lined with a geotextile and gravel. After the utilities were installed, clean fill was placed in the trenches prior to placement of the appropriate cover material (asphalt, clean fill, etc.). Clean fill is defined as soil which as been tested and approved for use as cover material in accordance with the RAWP.

Current status: The soil cover systems remain in place with no observed breach. The composite cover system is a permanent control and the quality and integrity of this system has been inspected annually as per the SMP. An annual inspection checklist is included in Appendix 1.

3.1.2 Sub-Slab Depressurization Systems (SSDSs)

A passive sub-slab depressurization system (SSDS) has been installed beneath each building on the property in conjunction with a vapor barrier in order to prevent impacted soil vapor from entering the buildings in the future. The SSDSs will continue to operate in the passive mode for the life of the buildings unless there is a clear demonstration that the subsurface soil vapor conditions present a potential impact to indoor air quality. In the event of a potential impact to indoor air quality, the SSDS would be converted to an active system. There were no findings during this review period that indicate the system(s) should be converted to an active system. Additional information on the SSDSs is included in Appendices O and Q of the SMP.

Collection of sub-slab soil vapor, indoor air and ambient air samples was completed in April

2015. Sub-slab soil vapor samples were collected from permanent sample ports installed through the floor of the buildings. Indoor air samples were co-located with sub-slab soil vapor locations within the Residence Inn hotel and at one location within the Stop and Shop supermarket. The results of the sampling are discussed in Section 4.0.

Current status: The passive SSDSs are functioning as designed. An annual inspection checklist is included in Appendix 1.

3.1.3 Vapor Mitigation System

A vapor barrier has been installed above each SSDS and below each of the building slabs to mitigate potential soil vapor intrusion. The vapor barrier is a permanent engineering control. The design for the vapor mitigation system is provided in Appendix N of the SMP.

Current status: No compromise to the structural integrity of the building foundations has been noted during annual inspections. An annual inspection checklist is included in Appendix 1.

3.2 Institutional Controls

3.2.1 Compliance with SMP

The following ICs are required to document compliance with the SMP:

- Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in the SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP;
- Groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in the SMP; and,
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.

Current status: The Environmental Easement remains in place. All systems are effective and currently operational. ICs require monitoring of groundwater, soil vapor and indoor air and inspections of the engineering controls. The required monitoring and inspections are being performed as required in the SMP.

3.2.2 Use Restrictions

The following use restrictions were placed on the property, in accordance with the Environmental Easement and SMP:

- The property may only be used for commercial use provided that the long-term Engineering and Institutional Controls included in the SMP are employed;

- The property may not be used for a higher level of use, such as unrestricted or restricted residential use without additional assessment and, if necessary, remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb residual contaminated material must be conducted in accordance with the SMP;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed anywhere on the entire property, and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the property are prohibited;
- The Site owner, including any subsequent site owner, will submit to NYSDEC annually a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP; and,
- NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually unless and until an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Current status: The Site is used in accordance with all restrictions. Current site uses are shown on Figure 2. A statement regarding continued maintenance of any and all controls is included in Appendix 1.

4.0 INDOOR AIR/SOIL VAPOR SAMPLING

Indoor air, soil vapor and ambient (outdoor) air sampling was completed on April 22, 2015. Samples were collected for analysis of TO-15 volatile organic compounds (VOCs) and methane, in accordance with the Quality Assurance Project Plan (QAPP) included in the SMP. The concentrations of VOCs are included in Table 1. A total of five sub-slab soil vapor points, three indoor air and one ambient air sample were collected at the Site. Indoor air samples were co-located with sub-slab soil vapor locations in both the Residence Inn and Stop-and-Shop locations. One outdoor ambient air sample (AA1) was collected upwind of the Site. Soil vapor, indoor air and ambient air sample locations are shown on Figure 5.

Compounds with an associated NYSDOH Air Guidance Value (AGV) were not detected in indoor air at concentrations above their respective AGVs. The reporting limits (RLs) for carbon tetrachloride in indoor air were above the lowest matrix interval. The indoor air and soil vapor will continue to be monitored.

Several compounds associated with the construction and installation of the SSDS components were detected in the sub-slab soil vapor samples. In the Residence Inn, the sub-slab soil vapor concentrations of tetrahydrofuran, a common constituent of PVC pipe glue, was 510 ug/m^3, and the concentrations of isopropanol ranged from 261 to 300 ug/m^3. Sub-slab concentrations of tetrahydrofuran in the Residence Inn have decreased since the previous sampling event in April 2014 from maximum levels of 3,270 ug/m^3. In Stop and Shop, the concentrations of isopropanol in the sub-slab soil vapor ranged from 256 to 295 ug/m^3, approximately one order of magnitude below those identified in the April 2014 sampling event.

As expected, levels of volatile organic compounds were found in the indoor air samples, the majority of the detected compounds were within typical background levels of most homes and businesses. However, the levels of chloroform in indoor air at the Residence Inn samples were higher than expected [27 micrograms per cubic meter (ug/m3) and 28 ug/m3, respectively). Also, ethanol was detected in indoor air at levels ranging from 520 ug/m^3 in Stop and Shop to 744 ug/m^3 in the Residence Inn, above the ambient air concentration of 8.89 ug/m^3. Corresponding sub-slab concentrations of ethanol were elevated (620 to 1120 ug/m^3 in the Residence Inn and 496 to 609 ug/m^3 in Stop and Shop), consistent with levels detected in April 2014.

A data usability summary report (DUSR) was prepared by Geosyntec Consultants, Inc. (Geosyntec) of Mansfield, MA. The DUSR is included in Appendix 7. All data was determined to be usable for approximating volatile organic compound concentrations.

Evacuation plans required by Section 2.5.3.3 of the approved SMP have been completed; no changes have been made to the plans included in Appendix 4 of the previous annual report.

5.0 GROUNDWATER SAMPLING

Four rounds of groundwater sampling have been completed at the Site in accordance with the SMP requirement for baseline and quarterly sampling events. Sampling was performed in April, August and November of 2015, with the most recent sample event conducted in March 2016.

The methodology and findings from the quarterly sampling events are included below, with a discussion of historic groundwater concentration trends.

5.1 2015-2016 Groundwater Sampling

5.1.1 Methodology

Seven groundwater monitoring wells (MW-3R, MW-2R-2, MW-6R, MW-7R-2, MW-8R, MW-12, MW-13) were sampled in accordance with the SMP. Samples were collected for analysis of VOCs and semivolatile organic compounds (SVOCs), in accordance with the Quality Assurance Project Plan (QAPP) included in the SMP.

Data usability summary reports (DUSRs) prepared by Geosyntec for the April 2015 and August 2015 sampling are included in Appendix 4. All data for these events was determined to be usable. DUSRs for the sampling performed in November 2015 and March 2016 are being prepared and will be provided when complete.

The monitoring well network consisted of existing wells in areas where historic groundwater concentrations exceeded the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards), and locations to assess groundwater quality at the downgradient and upgradient property boundaries.

The monitoring well locations are shown on Figure 3 and a summary of groundwater analytical results levels for the April 2015-March 2016 sampling events is included on Figure 6. Purge logs, including measured field parameters and groundwater elevations, are included in Appendix 2. The concentrations of VOCs and SVOCs in groundwater are provided in Tables 2 and 3, respectively. Laboratory deliverables are included in Appendix 5.

As required by the SMP, the following procedure was implemented during each sampling event:

- Depth-to-water measurements were obtained from each well prior to sample collection.
- The equivalent of three well volumes of water was removed from each well prior to sampling.
- Low-flow sampling techniques were implemented for sample collection.
- Field instrumentation was employed to measure water temperature, pH, and turbidity at each sampled well.
- Monitoring of indicator parameters was employed in order to stabilize parameters before sample collection.
- All groundwater samples were placed in 40-milliliter vials provided by the laboratory. All sample containers were appropriately labeled and closed with no trapped air.
- Chain-of-custody documents were completed before shipment. The samples were placed in ice and secured in a cooler during shipment to the laboratory.
- All groundwater samples were analyzed at Alpha Analytical, Inc. (Alpha) for volatile organic compounds (VOCs) by EPA Method 8260 and, for the most recent two rounds, semivolatile organic compounds (SVOCs) by EPA Method 8270. Alpha is certified by

the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) as LABID 11148.

Groundwater results were compared to the Class GA Standards. The Class GA Standards represent levels that are protective of the groundwater as a source of drinking water; however, drinking water at the Site is provided by an upstate New York municipal system and, based on the lithology, it is not likely that the shallow groundwater recharges the underlying low permeability water bearing unit. Specifics regarding sampling protocol can be found in the SMP.

Investigation-derived waste (IDW) has been disposed off-site. The disposal manifests will be provided under separate cover.

5.1.2 Findings

April 2015 Sampling Event

Groundwater samples were collected from monitoring wells MW-2R-2, MW-3R, MW-6R, MW-7R-2, MW-8R, MW-12 and MW-13 for analysis for VOCs. Quality assurance/quality control samples were collected in accordance with the QAPP.

A sheen was observed in the sample collected at MW-2R-2. Headspace readings were recorded with a photoionization detector (PID). PID readings ranged from 0.0 parts per million (ppm) to 10.8 ppm (at MW-2R-2).

Benzene was detected in sample MW-6R at a concentration of 2 micrograms per liter (ug/l), above the Class GA Standard of 1 ug/l. Naphthalene was detected at 1,200 ug/l in MW-2R-2 and at 1,600 ug/l in MW-8R, above Class GA Standard of 10 ug/l.

Several polycyclic aromatic hydrocarbons (PAHs) and petroleum-related SVOCs were identified in Site groundwater at levels above their respective Class GA Standards including the following: acenaphthene, fluoranthene, benzo(a)anthracene, benzo(a)pyrence, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, phenanthrene, and indeno(1,2,3-cd)pyrene and pyrene. These compounds are consistent with the documented historical use of coal tar at the Site. In the SVOC scan, naphthalene was detected in wells MW-2R-2 and MW-8R at concentrations of 850 ug/l and 1,800 ug/l, above the Class GA Standard of 10 ug/l. Biphenyl was detected in wells MW-2R-2 and MW-8R at concentrations of 14 ug/l and 19 ug/l above the Class GA Standard of 5 ug/l. The highest SVOC concentrations were detected in the sample collected from well MW-13.

August 2015 Sampling Event

The wells sampled in the prior event were also sampled in August 2015. The groundwater indicator parameters could not be stabilized in well MW-13 due to low recharge, and a 2-inch bailer was used to collect samples.

An odor and sheen was observed in wells MW-2R-2 and MW-8R, with headspace readings of 0.0 ppm and 1.3 ppm. No elevated PID readings were noted, except at MW-6R, with a reading of 3.0 ppm. Globules of NAPL were identified in wells MW-2R-2 and MW-8R; however, no measurable thickness of NAPL was present. In coordination with NYSDEC, Tenen inserted an absorbent sock in well MW-2R-2.

In the VOC scan, naphthalene was identified at MW-8R (1,800 ug/l) and MW-2R-2 (1,100 ug/l), both above the Class GA Standard of 10 ug/l. Acetone was detected in MW-8R at a concentration of 81 ug/l, above the Class GA Standard of 50 ug/l. 2-Butanone was detected in MW-8R at a concentration of 54 ug/l above the Class GA Standard of 50 ug/l.

Consistent with previous sampling events, several PAHs and petroleum-related SVOCs were identified, including the following: acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, indeno(1,2,3-cd)pyrene, bis(2-ethylhexyl)phthalate, biphenyl and pyrene. Naphthalene was identified at elevated concentrations at MW-2R-2 (400 ug/l), MW-8R (660 ug/l) in the MW-8R duplicate sample (1,100 ug/l, all above the Class GA Standard of 10 ug/l. 2,4-Dimethylphenol was detected in the MW-8R duplicate sample at a concentration of 53 ug/l, at the Class GA Standard of 53 ug/l.

November 2015 Sampling Event

Six groundwater monitoring wells were sampled during the November 2015 event. Prior to the sampling event, the absorbent sock was removed from well MW-2R-2; the spent sock was disposed as regulated IDW. MW-6R was not sampled due to low recovery, likely attributable to little precipitation in the weeks prior to sampling. The groundwater indicator parameters could not be stabilized in well MW-13 due to low recharge, and a 2-inch bailer was used to collect samples. Following the sampling event, an absorbent sock was added to well MW-2R-2.

In the VOC scan, naphthalene was identified at concentrations above the Class GA standard of 10 ug/l in samples collected from MW-2R-2 (2,500 ug/l) and MW-8R (2,000 ug/l).

Consistent with previous sampling events, several PAHs and petroleum-related SVOCs were identified, including the following: biphenyl, acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, indeno(1,2,3-cd)pyrene, 2,4-dimethylphenol and pyrene. In the SVOC scan, aphthalene was identified at the highest concentrations of 1,300 ug/l at MW-2R-2 and at 1,200 ug/l at MW-8R, above the Class GA Standard of 10 ug/l.

March 2016 Sampling Event

Seven groundwater monitoring wells were sampled during this event. Prior to the sampling event, the absorbent sock was removed from well MW-2R-2; the spent sock was disposed as regulated IDW. The groundwater indicator parameters could not be stabilized in well MW-13 due to low recharge, and a 2-inch bailer was used to collect samples. No elevated PID readings

were observed during sampling, with the exception MW-13 where the PID reading was 2.8 ppm. Odors were noted in MW-2R-2 and MW-8R.

In the VOC scan, naphthalene was identified at concentrations of 3,400 ug/l (MW-2R-2), 2,300 ug/l (MW-8R) and 11 ug/l (MW-7R-2), all above the Class GA Standard of 10 ug/l.

Consistent with previous sampling events, several PAHs and petroleum-related SVOCs were identified, including the following: biphenyl, acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, indeno(1,2,3-cd)pyrene, 2,4-dimethylphenol and pyrene. In the SVOC scan, naphthalene was identified at concentrations of 1,600 ug/l at MW-2R-2 and 1,200 ug/l at MW-8R, above the Class GA Standard of 10 ug/l. Please note that the minimum detection limits (MDLS) for samples MW-2R2, MW-3R DUP, MW-7R2, MW-8R, and MW-13 were elevated due to the dilution required by elevated concentrations of non-target compounds in the samples and the dilution required by the sample matrix.

Groundwater Trends

Groundwater sampling in the most recent four quarters has identified several VOCs, including benzene, acetone, 2-butanone and naphthalene at concentrations above the Class GA Standards; in the past two quarters only naphthalene was detected above the Class GA Standards. Prior to the March 2016 sampling, naphthalene had only been detected above the Class GA standard in wells MW-2R-2 and MW-8R; in the March 2016 event, naphthalene was detected slightly above the Class GA Standard in MW-7R-2. Although concentrations in MW-2R and MW-8R have increased over time, these increases have been within the same order of magnitude and likely reflect reduced groundwater elevations that were a symptom of a protracted period of below average precipitation.

Groundwater samples from all Site monitoring wells also contained SVOCs associated with coal tar materials at concentrations above the Class GA Standards. Concentration trends of all compounds detected above the Class GA Standard are included in Appendix 3 and indicate the continued presence of residual SVOC impacts in groundwater.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Engineering and Institutional Controls

An Institutional and Engineering Controls Certification Form and an annual inspection checklist are included in Appendix 1.

Based on sampling results detailed in Sections 4 and 5, residual impacts continue to be present in the soil vapor and groundwater. The indoor air of the buildings has not been impacted by soil vapor intrusion. The SSDS and Vapor Mitigation System are functioning as designed.

The passive SSDSs are in working condition with no observations of a compromise to structural integrity.

6.2 Soil Vapor and Indoor Air Sampling

Based on sampling results detailed in Sections 4, low levels of residual impacts continue to be present in the soil vapor. The concentrations of residual impacts, and also of compounds associated with the system construction and installation, in the sub-slab soil vapor have been demonstrated not to be affecting the indoor air quality.

The SSDS and Vapor Mitigation System are functioning as designed. Three rounds of sampling have been completed, as contemplated in the approved SMP and no additional sampling is proposed.

6.3 Quarterly Groundwater Monitoring

The most recent groundwater sampling indicated that concentrations of residual contamination associated with historic operations continue to be present in the groundwater. Globules of NAPL have been identified sporadically in wells MW-2R-2 and MW-8R; however, no measurable thickness of NAPL is present. All NAPL is removed using a bailer and/or absorbent socks and properly disposed off-site with the IDW. Prior to the most recent round of sampling, March 2016, an absorbent sock was placed in MW-2R-2 in an attempt to remove NAPL.

Quarterly groundwater monitoring will be continued. One additional round of groundwater sampling is proposed in the approved SMP.

6.4 Schedule

In the next reporting period, through March 2017, the following will be completed:

- Annual soil vapor and indoor air sampling will be completed in April 2016.
- Quarterly groundwater sampling will be completed in June 2016.
- IC/EC Inspections will be completed during the reporting period.

7.0 CERTIFICATIONS

I, Matthew Carroll, am a Professional Engineer licensed in the State of New York. I certify that:

1. The discussion and interpretation of the soil vapor, indoor air and groundwater sample analysis results are based on all sampling data collected to-date.
2. The engineering and institutional controls are either unchanged or are compliant with NYSDEC-approved modifications.
3. NYSDEC can access the property.
4. The engineering and institutional controls continue to be protective of human health and the environment and do not constitute a violation or failure to comply with the SMP and subsequent NYSDEC-approved modifications.

Matthew M. Carroll
NYS PE License Number 091629

8.0 REFERENCES

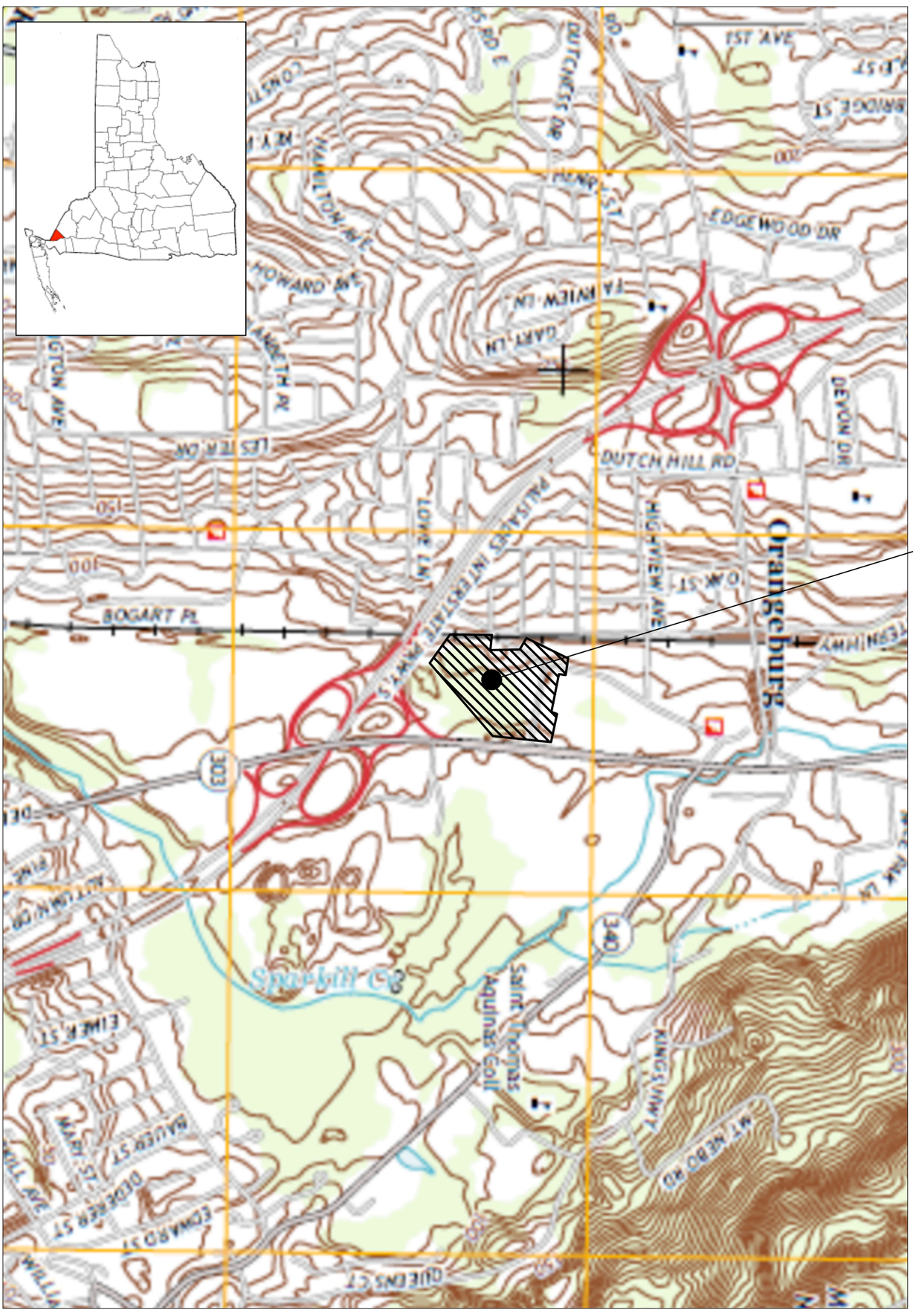
Site Management Plan, NYSDEC BCP Site No. C344073, Landmark Consultants Corporation, October 2013.

Environmental Easement, FB Orangetown LLC, September 30, 2013.

Final Engineering Report, NYSDEC BCP Site No. C344073, Landmark Consultants Corporation, October 2013.

Figures

Re: USGS NYACK - NY - NJ - QUADRANGLE, 2013
http://www.usgs.gov



DRAWING TITLE. FIGURE 1	DRAWN BY KM CHECKED BY MC	CONSULTANT TENEN ENVIRONMENTAL TENEN ENVIRONMENTAL, LLC 121 West 27th Street Suite 1004 New York, NY 10001 O: 646-606-2332 F: 646-606-2379	CLIENT ORANGEBURG COMMONS 170 ROUTE 303 TOWN OF ORANGETOWN ROCKLAND COUNTY, NY 10962
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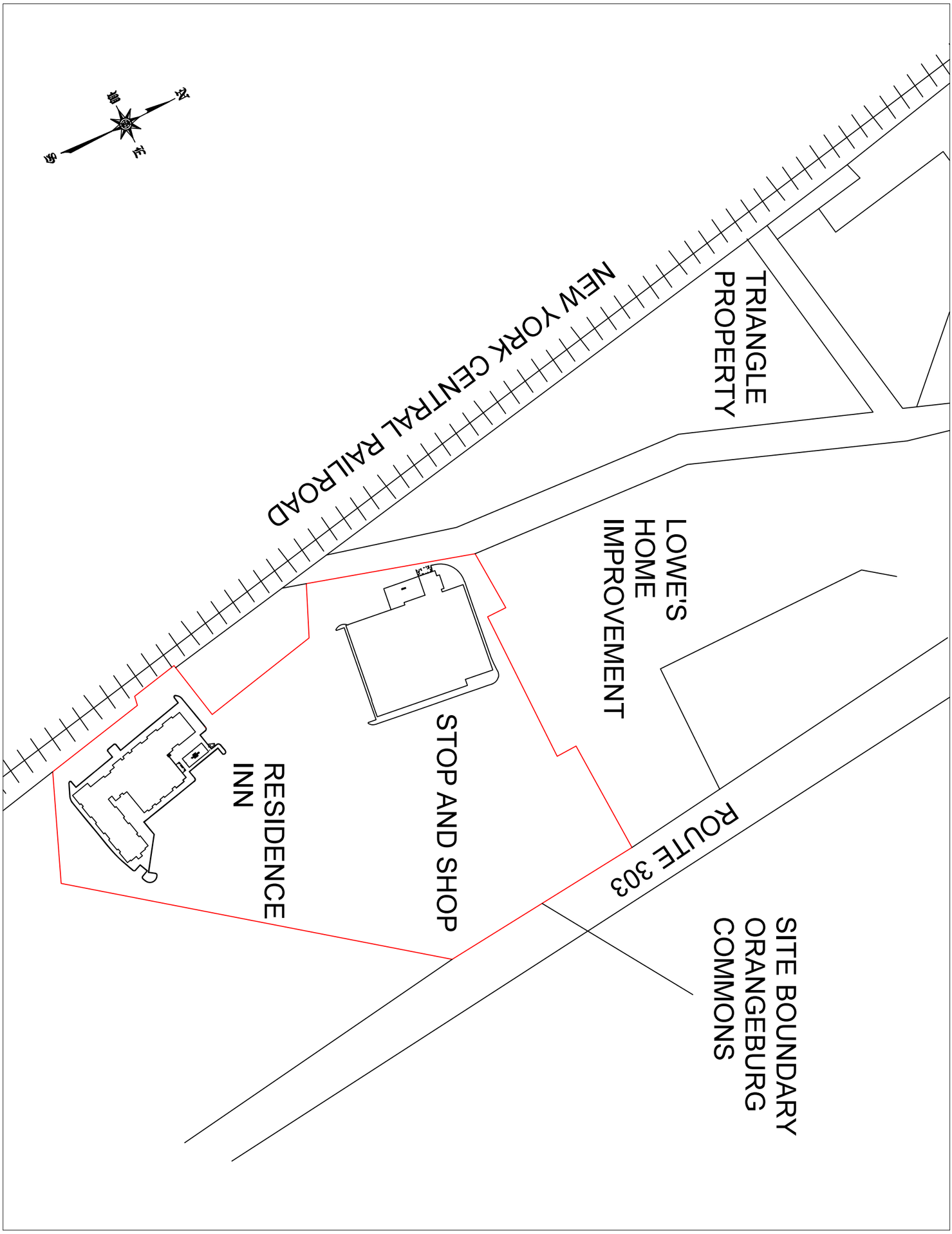
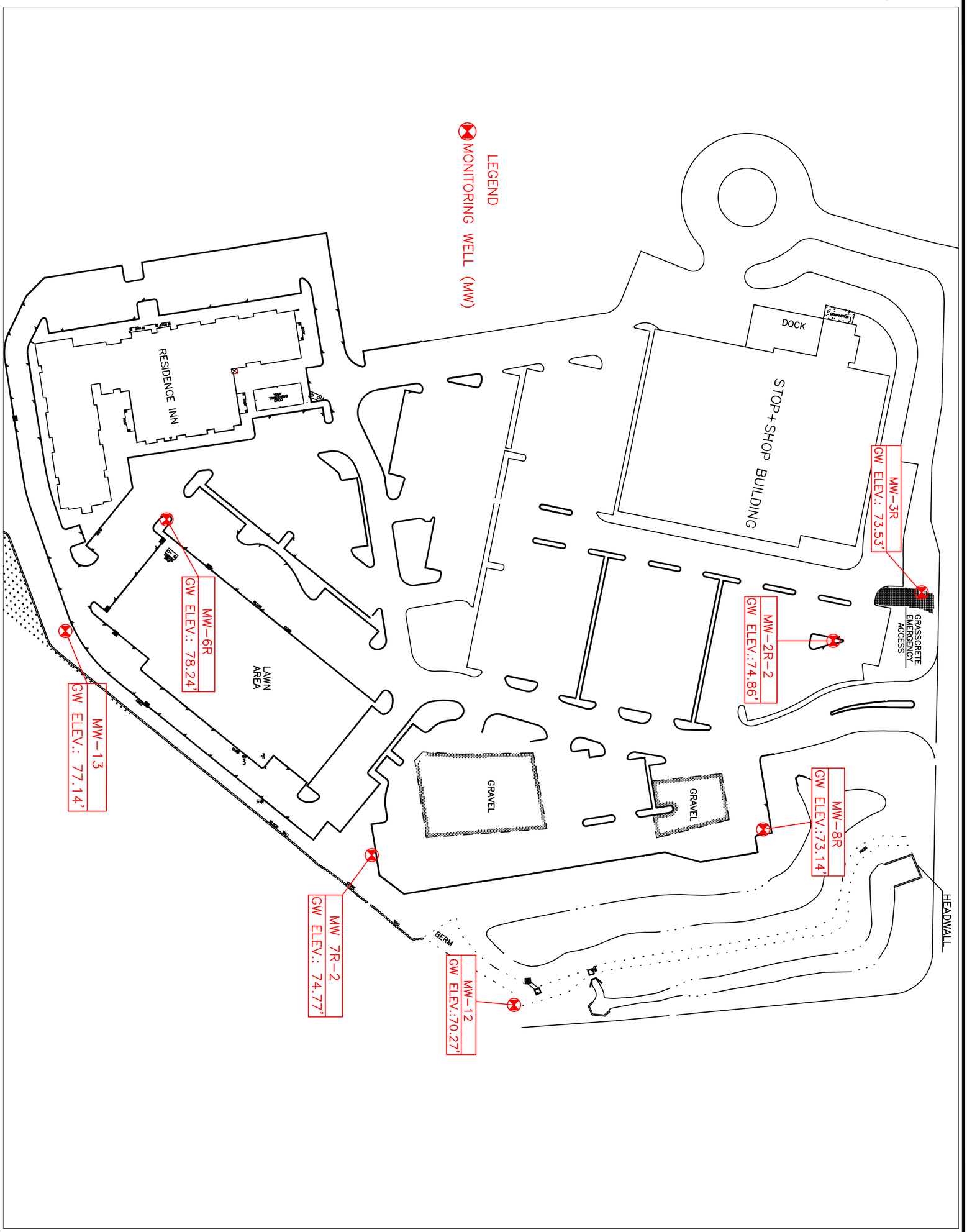
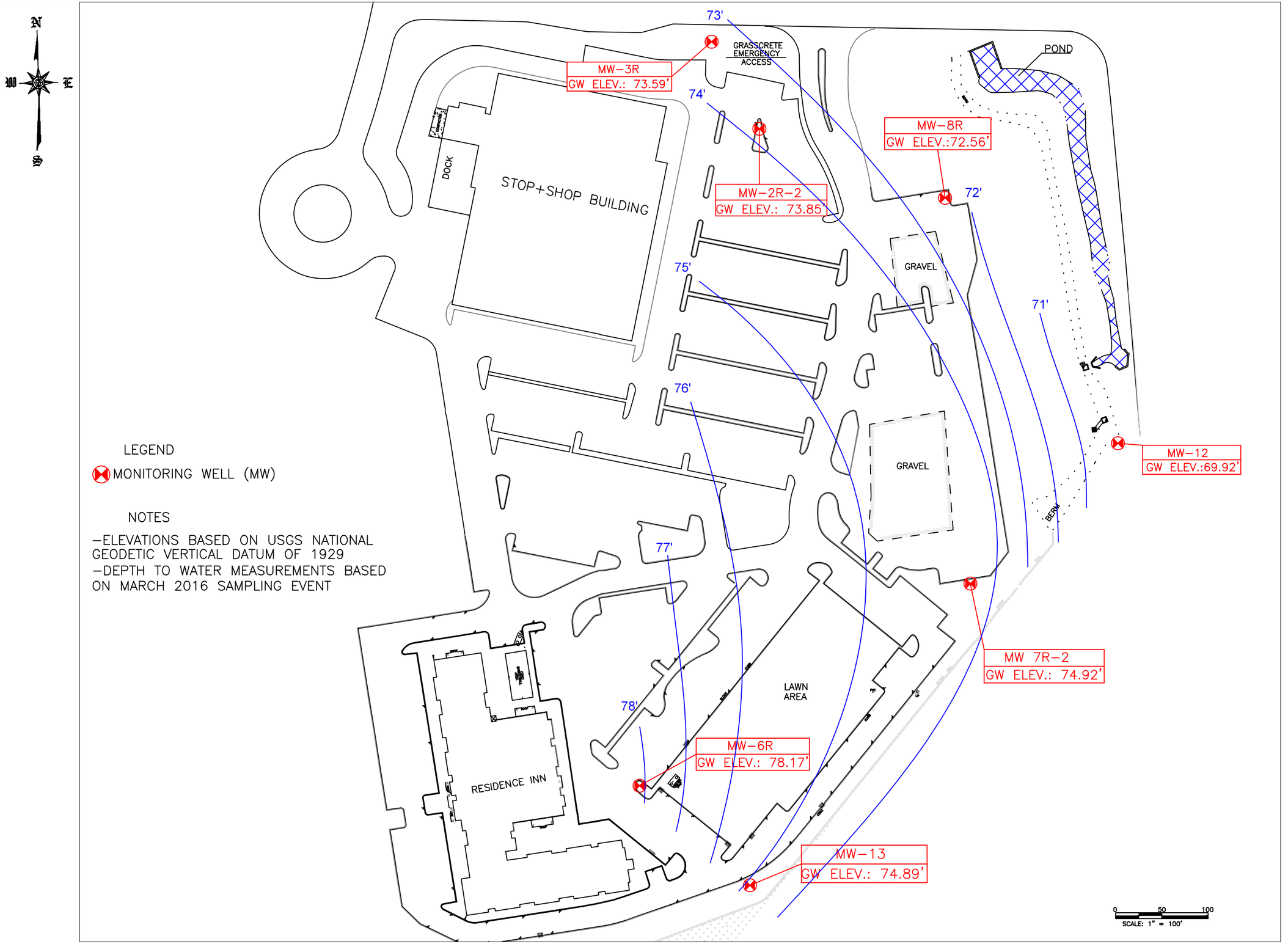


DRAWING TITLE. FIGURE 2	DRAWN BY KM CHECKED BY MC	CONSULTANT TENEN ENVIRONMENTAL TENEN ENVIRONMENTAL, LLC 121 West 27th Street Suite 1004 New York, NY 10001 O: 646-606-2332 F: 646-606-2379	CLIENT ORANGEBURG COMMONS 170 ROUTE 303 TOWN OF ORANGETOWN ROCKLAND COUNTY, NY 10962
DRAWING NO. CURRENT SITE USES	DATE JANUARY 2015 SCALE: 1" = 200'		



DRAWING TITLE. FIGURE 3	DRAWN BY KM CHECKED BY MC	CONSULTANT TENEN ENVIRONMENTAL TENEN ENVIRONMENTAL, LLC 121 West 27th Street Suite 1004 New York, NY 10001 O: 646-606-2332 F: 646-606-2379	CLIENT ORANGEBURG COMMONS 170 ROUTE 303 TOWN OF ORANGETOWN ROCKLAND COUNTY, NY 10962
DRAWING NO. GROUNDWATER MONITORING WELL LOCATIONS	DATE JANUARY 2015 SCALE: 1" = 100'		



LEGEND

MONITORING WELL (MW)

NOTES

–ELEVATIONS BASED ON USGS NATIONAL GEODETIC VERTICAL DATUM OF 1929

–DEPTH TO WATER MEASUREMENTS BASED ON MARCH 2016 SAMPLING EVENT

ORANGEBURG COMMONS
170 ROUTE 303
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NY
10962

TENEN ENVIRONMENTAL

KM	MC	MARCH 2016	1" = 100'

FIGURE 4

GROUNDWATER FLOW NET (MARCH 2016)

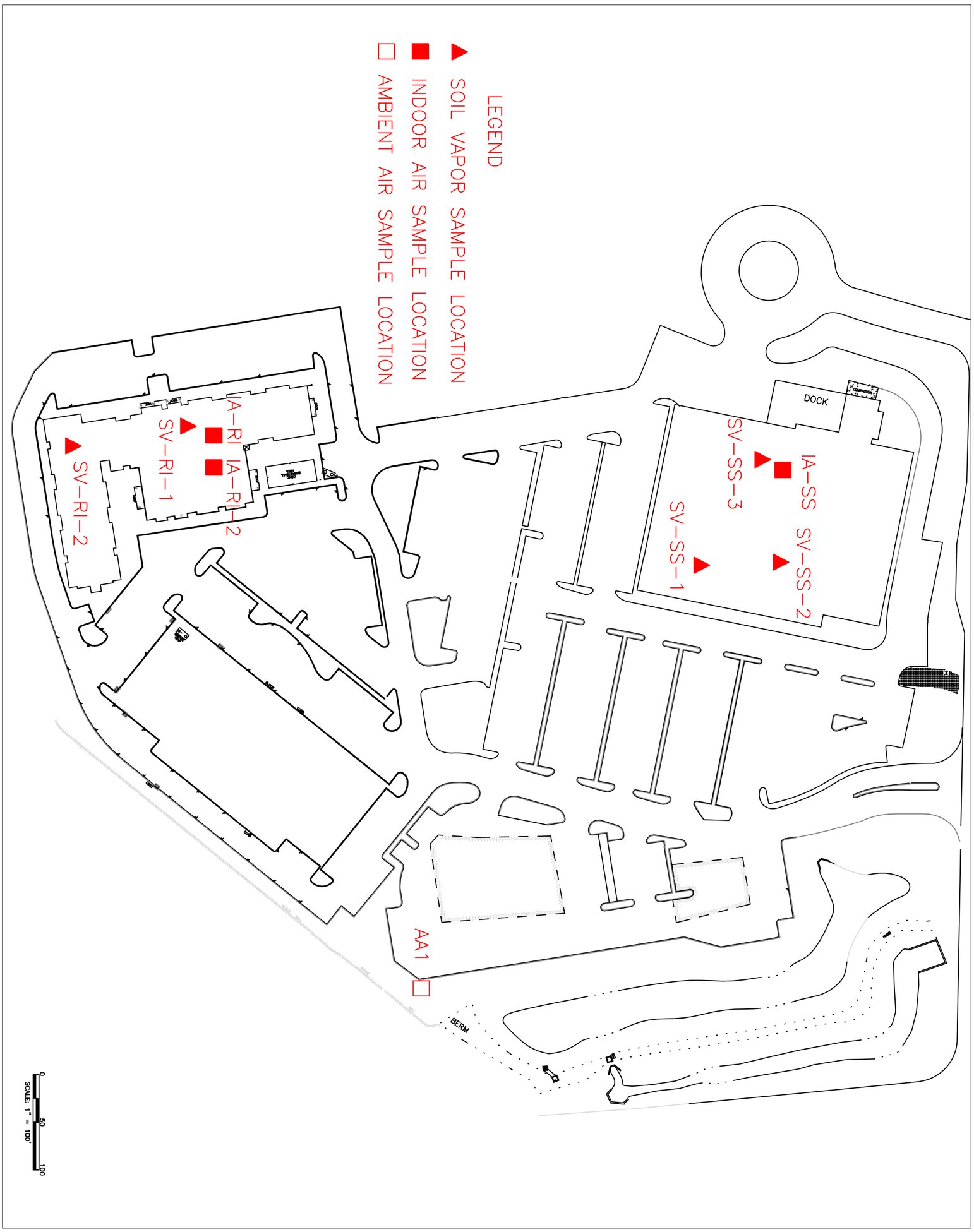


FIGURE 5	KM MC	TENEN ENVIRONMENTAL	ORANGEBURG COMMONS 170 ROUTE 303 TOWN OF ORANGETOWN ROCKLAND COUNTY, NY 10962
Soil Vapor and Indoor Air Sampling Locations	MARCH 2016 AS NOTED		

VOCs	NY-AWQS	MW-3R			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	ND	ND	ND
Acetone	50	2.4	ND	2.5	ND
2-Butanone	50	ND	ND	ND	ND
Naphthalene	10	1	ND	ND	ND
SVOCs					
Acenaphthene	20	6.9	5.2	4.6	4.8
Fluoranthene	50	13	5	15	17
Naphthalene	10	1.3	0.25	ND	1.2
Benzo(a)pyrene	0	5.2	0.08	4.1	6.5
Benzo(b)fluoranthene	0.002	9.4	0.09	8.1	9.2
Benzo(k)fluoranthene	0.002	3.5	ND	3	3.6
Chrysene	0.002	7.1	0.28	6.2	7.6
Anthracene	50	2.4	1.8	1.7	2.2
Fluorene	50	3.1	2.6	2	2.4
Phenanthrene	50	10	5.3	4.6	4.8
Indeno(1,2,3-cd)Pyrene	0.002	3.3	ND	3.1	3.8
Pyrene	50	11	3.5	12	13

VOCs	NY-AWQS	MW-8R			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	ND	ND	ND
Acetone	50	ND	81	ND	ND
2-Butanone	50	ND	54	ND	ND
Naphthalene	10	1600	1800	2000	2300
SVOCs					
Acenaphthene	20	700	290	520	440
Fluoranthene	50	17	9.4	120	18 J
Naphthalene	10	1800	660	1200	1200
Benzo(a)pyrene	0	ND	ND	22	ND
Benzo(b)fluoranthene	0.002	ND	ND	38	ND
Benzo(k)fluoranthene	0.002	ND	ND	16	ND
Chrysene	0.002	1.6	ND	46	ND
Anthracene	50	19	8.4	59	13 J
Fluorene	50	170	79	130	110
Phenanthrene	50	150	67	210	100
Indeno(1,2,3-cd)Pyrene	0.002	ND	ND	ND	ND
Pyrene	50	11	6	89	11 J

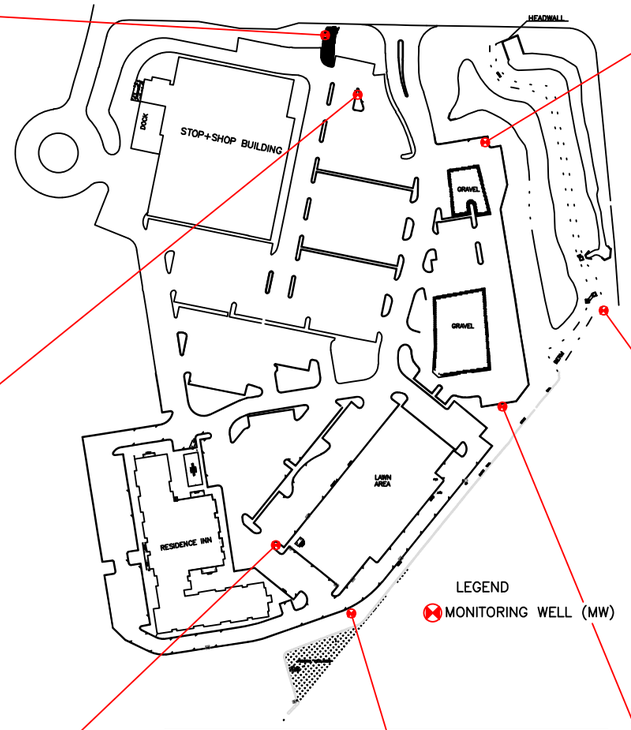
VOCs	NY-AWQS	MW-2R-2			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	ND	ND	ND
Acetone	50	ND	20	ND	ND
2-Butanone	50	ND	ND	ND	ND
Naphthalene	10	1500	1100	2500	3400
SVOCs					
Acenaphthene	20	220	140	540	490
Fluoranthene	50	24	9.7	110	81
Naphthalene	10	850	400	1300	1600
Benzo(a)pyrene	0	7.4	0.46	26	23
Benzo(b)fluoranthene	0.002	11	0.23	48	35
Benzo(k)fluoranthene	0.002	4.1	ND	20	14
Chrysene	0.002	10	0.42	46	36
Anthracene	50	13	7.4	42	23
Fluorene	50	55	42	120	120
Phenanthrene	50	56	32	140	110
Indeno(1,2,3-cd)Pyrene	0.002	4	ND	16	15 J
Pyrene	50	18	6.5	83	58

VOCs	NY-AWQS	MW-12			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND
SVOCs					
Acenaphthene	20	ND	ND	ND	ND
Fluoranthene	50	0.09	0.05	0.48	0.08 J
Naphthalene	10	0.13	0.05	ND	0.06 J
Benzo(a)pyrene	0	ND	0.05	0.27	0.06 J
Benzo(b)fluoranthene	0.002	ND	0.03	0.4	0.08 J
Benzo(k)fluoranthene	0.002	ND	ND	0.16	ND
Chrysene	0.002	0.06	ND	0.25	0.05 J
Anthracene	50	ND	ND	0.05	ND
Fluorene	50	ND	ND	ND	ND
Phenanthrene	50	ND	0.02	0.1	ND
Indeno(1,2,3-cd)Pyrene	0.002	ND	ND	0.18	ND
Pyrene	50	ND	0.1	0.53	0.1 J

VOCs	NY-AWQS	MW-6R			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	2	ND	NS	0.25 J
Acetone	50	ND	ND	NS	1.7 J
2-Butanone	50	ND	ND	NS	ND
Naphthalene	10	ND	ND	NS	ND
SVOCs					
Acenaphthene	20	ND	ND	NS	ND
Fluoranthene	50	0.18	ND	NS	0.09 J
Naphthalene	10	ND	ND	NS	NS
Benzo(a)pyrene	0	0.11	ND	NS	0.06
Benzo(b)fluoranthene	0.002	0.15	ND	NS	0.1
Benzo(k)fluoranthene	0.002	ND	ND	NS	ND
Chrysene	0.002	0.12	ND	NS	0.06
Anthracene	50	ND	ND	NS	0.06 J
Fluorene	50	ND	ND	NS	ND
Phenanthrene	50	0.13	ND	NS	ND
Indeno(1,2,3-cd)Pyrene	0.002	ND	ND	NS	ND
Pyrene	50	0.15	ND	NS	ND

VOCs	NY-AWQS	MW-13			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	ND	ND	ND
Acetone	50	2.8	2.5	5.6	7.1
2-Butanone	50	ND	ND	ND	ND
Naphthalene	10	1.9	0.89	1.4	
SVOCs					
Acenaphthene	20	9.7	3.6	8.6	5.9
Fluoranthene	50	58	3.4	46	18
Naphthalene	10	1.1	0.35	1.3	0.3 J
Benzo(a)pyrene	0	38	ND	20	7.1
Benzo(b)fluoranthene	0.002	53	ND	38	9.9
Benzo(k)fluoranthene	0.002	21	ND	12	3.6
Chrysene	0.002	43	0.18	25	7.9
Anthracene	50	7.2	1.4	3.9	3
Fluorene	50	5.9	2.2	4.8	3.3
Phenanthrene	50	28	3.4	13	4.2
Indeno(1,2,3-cd)Pyrene	0.002	23	ND	15	4.2
Pyrene	50	50	2.4	38	14

VOCs	NY-AWQS	MW-7R-2			
Units: ug/l		4/24/15	8/6/15	11/30/15	3/8/16
Benzene	1	ND	0.2	0.18	0.2 J
Acetone	50	ND	ND	1.7	ND
2-Butanone	50	ND	ND	ND	ND
Naphthalene	10	7.8	6.4	6	11
SVOCs					
Acenaphthene	20	20	14	17	15
Fluoranthene	50	19	7.9	27	16
Naphthalene	10	4.6	3.2	2.6	3.5
Benzo(a)pyrene	0	5.3	0.36	4.8	3.3
Benzo(b)fluoranthene	0.002	7.2	0.42	8.6	4.4
Benzo(k)fluoranthene	0.002	2.8	0.16	3.2	1.8
Chrysene	0.002	7.6	0.64	7.8	4.4
Anthracene	50	6.3	4.2	4.5	4.5
Fluorene	50	10	8.1	8.5	7.7
Phenanthrene	50	28	14	24	19
Indeno(1,2,3-cd)Pyrene	0.002	2.7	0.17	3.1	1.8
Pyrene	50	15	5.5	20	12



NOTES:

NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
MDL = Method Detection Limit
RL = Reporting Limit
ND = Not detected above the MDL
NS = Not sampled
J = estimated value, indicating the detected value is below the RL, but above the MDL

0 100 200
SCALE: 1" = 200'

ORANGEBURG COMMONS
170 ROUTE 303
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NY
10962

TEN EN ENVIRONMENTAL

KM | MC | MARCH 2016 | AS NOTED

FIGURE 6

GROUNDWATER ANALYSIS RESULTS

Tables

Table 1 - Volatile Organic Compounds in Indoor Air, Soil Vapor and Ambient Air Samples
Orangeburg Commons - Orangeburg, NY

LOCATION	NYSDOH Matrix	NYSDOH Air Guidance Value (AGV)	AA1		AA1		IA-RI-1		IA-R1		IA-RI-1		IA-RI-1DUP		IA-R1-2		IA-R1-2		SV-RI-1		SV-R1-1	
SAMPLING DATE			4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015	
LAB SAMPLE ID			L1508353-03		L1610895-03		L1407773-03		L1508353-01		L1610895-01		L1407773-02		L1508353-05		L1610895-02		L1407773-05		L1508353-06	
AREA			Ambient		Ambient		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn	
Volatile Organics Unit: µg/m3			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane	--	--	1.05	0.989	2	0.989	2.77	0.989	1.28	0.989	1.69	0.989	2.76	0.989	1.45	0.989	1.96	0.989	ND	14.7	ND	1.98
Chloromethane	--	--	1.07	0.413	1.12	0.413	1.52	0.413	1.44	0.413	1.78	0.413	1.44	0.413	1.58	0.413	1.72	0.413	ND	6.13	2.79	0.826
Freon-114	--	--	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	20.8	ND	2.8
Vinyl chloride	1	--	ND	0.051	ND	0.051	ND	0.051	ND	0.051	ND	0.051	ND	0.051	ND	0.051	ND	0.051	ND	7.59	ND	1.02
1,3-Butadiene	--	--	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	6.57	ND	0.885
Bromomethane	--	--	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	11.5	ND	1.55
Chloroethane	--	--	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	7.84	ND	1.06
Ethanol	--	--	8.89	4.71	ND	9.42	350	4.71	735	4.71	684	9.42	386	4.71	744	4.71	648	9.42	107	69.9	1120	9.42
Vinyl bromide	--	--	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	13	ND	1.75
Acetone	--	--	11	2.38	3.82	2.38	111	2.38	36.8	2.38	49.9	2.38	114	2.38	36.1	2.38	48.5	2.38	87.2	35.2	50.6	4.75
Trichlorofluoromethane	--	--	1.37	1.12	ND	1.12	1.47	1.12	1.3	1.12	ND	1.12	1.53	1.12	1.38	1.12	ND	1.12	ND	16.7	ND	2.25
Isopropanol	--	--	ND	1.23	1.87	1.23	46.9	1.23	37.4	1.23	747	1.23	52.4	1.23	38.3	1.23	865	1.23	63.9	18.2	300	2.46
1,1-Dichloroethene	2	--	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	11.8	ND	1.59
Tertiary butyl Alcohol	--	--	ND	1.52	ND	1.52	1.85	1.52	ND	1.52	ND	1.52	2.21	1.52	ND	1.52	ND	1.52	ND	22.5	ND	3.03
Methylene chloride	--	60	2.68	1.74	ND	1.74	ND	3.47	ND	1.74	ND	1.74	ND	3.47	2.66	1.74	4.93	1.74	ND	51.4	ND	3.47
3-Chloropropene	--	--	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	9.3	ND	1.25
Carbon disulfide	--	--	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	9.25	1.79	1.25
Freon-113	--	--	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	22.8	ND	3.07
trans-1,2-Dichloroethene	--	--	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	11.8	ND	1.59
1,1-Dichloroethane	--	--	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	12	ND	1.62
Methyl tert butyl ether	--	--	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	10.7	ND	1.44
2-Butanone	--	--	1.65	1.47	ND	1.47	2.53	0.59	3.63	1.47	2.43	1.47	2.81	0.59	3.75	1.47	2.45	1.47	ND	8.76	5.25	2.95
cis-1,2-Dichloroethene	2	--	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	0.079	ND	11.8	ND	1.59
Ethyl Acetate	--	--	ND	1.8	ND	1.8	2.39	1.8	3.43	1.8	ND	1.8	3.05	1.8	2.98	1.8	ND	1.8	ND	26.7	ND	3.6
Chloroform	--	--	ND	0.977	ND	0.977	23.4	0.977	27.6	0.977	10.7	0.977	25.6	0.977	28.3	0.977	10.5	0.977	106	14.5	41.9	1.95
Tetrahydrofuran	--	--	ND	1.47	ND	1.47	0.956	0.59	ND	1.47	ND	1.47	1.15	0.59	ND	1.47	ND	1.47	2670	8.76	3.27	2.95
1,2-Dichloroethane	--	--	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	12	ND	1.62
n-Hexane	--	--	ND	0.705	ND	0.705	0.73	0.705	0.758	0.705	ND	0.705	1.09	0.705	0.722	0.705	ND	0.705	ND	10.5	1.92	1.41
1,1,1-Trichloroethane	2	--	ND	0.109	ND	0.109	ND	0.109	ND	0.109	ND	0.109	ND	0.109	ND	0.109	ND	0.109	ND	16.2	ND	2.18
Benzene	--	--	ND	0.639	ND	0.639	ND	0.639	0.872	0.639	ND	0.639	ND	0.639	0.815	0.639	ND	0.639	ND	9.49	ND	1.28
Carbon tetrachloride	1	--	0.352	0.126	0.516	0.126	0.61	0.126	0.459	0.126	0.591	0.126	0.623	0.126	0.447	0.126	0.591	0.126	ND	18.7	ND	2.52
Cyclohexane	--	--	ND	0.688	ND	0.688	ND	0.688	ND	0.688	ND	0.688	ND	0.688	ND	0.688	ND	0.688	ND	10.2	2.57	1.38
1,2-Dichloropropane	--	--	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	13.7	ND	1.85
Bromodichloromethane	--	--	ND	1.34	ND	1.34	4.48	1.34	2.29	1.34	1.53	1.34	4.7	1.34	2.35	1.34	1.59	1.34	ND	19.9	ND	2.68
1,4-Dioxane	--	--	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	10.7	ND	1.44
Trichloroethene	1	2	ND	0.107	ND	0.107	ND	0.107	ND	0.107	ND	0.107	ND	0.107	0.107	0.107	ND	0.107	ND	16	ND	2.15
2,2,4-Trimethylpentane	--	--	ND	0.934	ND	0.934	ND	0.934	ND	0.934	ND	0.934	ND	0.934	ND	0.934	ND	0.934	ND	13.9	ND	1.87
Heptane	--	--	ND	0.82	ND	0.82	1.71	0.82	ND	0.82	ND	0.82	2.32	0.82	0.881	0.82	ND	0.82	ND	12.2	ND	1.64
cis-1,3-Dichloropropene	--	--	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	13.5	ND	1.82
4-Methyl-2-pentanone	--	--	ND	2.05	ND	2.05	ND	0.82	ND	2.05	ND	2.05	ND	0.82	ND	2.05	ND	2.05	ND	12.2	ND	4.1
trans-1,3-Dichloropropene	--	--	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	13.5	ND	1.82
1,1,2-Trichloroethane	--	--	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	16.2	ND	2.18
Toluene	--	--	3.92	0.754	ND	0.754	2.47	0.754	4.48	0.754	1.47	0.754	2.72	0.754	4.56	0.754	1.42	0.754	ND	11.2	5.2	1.51
2-Hexanone	--	--	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	12.2	ND	1.64
Dibromochloromethane	--	--	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	25.3	ND	3.41
1,2-Dibromoethane	--	--	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	22.8	ND	3.07
Tetrachloroethene	2	30	0.42	0.136	ND	0.136	0.393	0.136	0.617	0.136	0.19	0.136	0.549	0.136	0.631	0.136	0.19	0.136	ND	20.1	ND	2.71
Chlorobenzene	--	--	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	13.7	ND	1.84
Ethylbenzene	--	--	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	12.9	ND	1.74
p/m-Xylene	--	--	ND	1.74	ND	1.74	1.87	1.74	ND	1.74	1.93	1.74	2.12	1.74	ND	1.74	ND	1.74	ND	25.8	3.67	3.47
Bromoform	--	--	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	30.7	ND	4.14
Styrene	--	--	ND	0.852	ND	0.852	1.43	0.852	1.94	0.852	ND	0.852	1.46	0.852	1.88	0.852	ND	0.852	ND	12.6	3.05	1.7
1,1,2,2-Tetrachloroethane	--	--	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	20.4	ND	2.75
o-Xylene	--	--	ND	0.869	ND	0.869	0.908	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	0.869	ND	12.9	1.94	1.74
4-Ethyltoluene	--	--	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	14.6	ND	1.97
1,3,5-Trimethylbenzene	--	--	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	14.6	ND	1.97
1,2,4-Trimethylbenzene	--	--	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	14.6	2.86	1.97
Benzyl chloride	--	--	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	15.4	ND	2.07
1,3-Dichlorobenzene	--	--	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	17.9	ND	2.4
1,4-Dichlorobenzene	--	--	ND	1.2	ND	1.2	ND	1.2	ND	1.2	2.74	1.2	ND	1.2	ND	1.2	2.73	1.2	ND	17.9	ND	2.4
1,2-Dichlorobenzene	--	--	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	17.9	ND	2.4
1,2,4-Trichlorobenzene	--	--	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	22	ND	2.97
Hexachlorobutadiene	--	--	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	31.7	ND	4.27

NYSDOH Air Guidance Value = New York State Department of Health Air Guidance Values (AGV)
NYSDOH AGV from NYSDOH Soil Vapor Guidance, Oct. 2006, except for the revised NYSDOH AGV for PCE from Fact Sheet: Tetrachloroethene (PERC) in Indoor & Outdoor Air, Sep. 2013
NYSDOH Matrix = number of the Soil Vapor/Indoor Air decision matrix from the NYSDOH Soil Vapor Guidance, October 2006; Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance,10/06
NYSDOH AGV and Matrix values from NYSDOH Soil Vapor Guidance,10/06, except for the revised NYSDOH AGV for PCE from Fact Sheet: Tetrachloroethene (PERC)in Indoor & Outdoor Air, Sep. 2013
Cells highlighted in yellow represent values above NYSDOH AGV's
Cells highlighted in grey represent RL values above NYSDOH AGV's
Qual = Laboratory Data Qualifier
ND = not detected at or above the RL
RL = reporting limit
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
-- = No Standard

Results and RL values are in micrograms per cubic meter (ug/m^3)
Results are shown for 2014, 2015, and 2016 sampling events.

Table 1 - Volatile Organic Compounds in Indoor Air, Soil Vapor and Ambient Air Samples
Orangeburg Commons - Orangeburg, NY

LOCATION	NYSDOH Matrix	NYSDOH Air Guidance Value (AGV)	SV-R1-1		SV-RI-1DUP		SV-R1-1 DUP		SV-R1-1 DUP		SV-RI-2		SV-R1-2		SV-R1-2		SV-SS-1		SV-SS-1		SV-SS-1	
SAMPLING DATE			4/13/2016		4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016	
LAB SAMPLE ID			L1610895-05		L1407773-07		L1508353-10		L1610895-10		L1407773-06		L1508353-05		L1610895-06		L1407773-08		L1508353-07		L1610895-07	
AREA			Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Residence Inn		Stop and Shop		Stop & Shop		Stop & Shop	
Volatile Organics Unit: µg/m3			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane	--	--	ND	4.94	ND	14	ND	2.47	2.5	0.989	ND	17.8	ND	2.47	ND	1.98	2.83	0.989	ND	1.98	1.6	0.989
Chloromethane	--	--	ND	2.07	ND	5.86	5.16	1.03	0.679	0.413	10.2	7.43	8.22	1.03	0.904	0.826	0.442	0.413	ND	0.826	0.452	0.413
Freon-114	--	--	ND	6.99	ND	19.9	ND	3.49	ND	1.4	ND	25.2	ND	3.49	ND	2.8	ND	1.4	ND	2.8	ND	1.4
Vinyl chloride	1	--	ND	2.56	ND	7.26	ND	1.28	ND	0.511	ND	9.2	ND	1.28	ND	1.02	ND	0.511	ND	1.02	ND	0.511
1,3-Butadiene	--	--	ND	2.21	ND	6.28	ND	1.11	ND	0.442	ND	7.96	ND	1.11	ND	0.885	ND	0.442	ND	0.885	ND	0.442
Bromomethane	--	--	ND	3.88	ND	11	ND	1.94	ND	0.777	ND	14	ND	1.94	ND	1.55	ND	0.777	ND	1.55	ND	0.777
Chloroethane	--	--	ND	2.64	ND	7.49	ND	1.32	ND	0.528	ND	9.5	ND	1.32	ND	1.06	ND	0.528	ND	1.06	ND	0.528
Ethanol	--	--	ND	47.1	ND	66.7	507	11.8	ND	9.42	203	84.8	620	11.8	174	18.8	161	4.71	609	9.42	ND	9.42
Vinyl bromide	--	--	ND	4.37	ND	12.4	ND	2.19	ND	0.874	ND	15.7	ND	2.19	ND	1.75	ND	0.874	ND	1.75	ND	0.874
Acetone	--	--	ND	11.9	90.3	33.7	32.8	5.94	3.71	2.38	629	42.8	171	5.94	1690	4.75	25.4	2.38	50.1	4.75	24.9	2.38
Trichlorofluoromethane	--	--	ND	5.62	ND	16	ND	2.81	1.15	1.12	ND	20.2	ND	2.81	ND	2.25	2.08	1.12	2.27	2.25	1.21	1.12
Isopropanol	--	--	ND	6.15	35.2	17.4	278	3.07	ND	1.23	130	22.1	261	3.07	7.37	2.46	93.4	1.23	295	2.46	1.32	1.23
1,1-Dichloroethene	2	--	ND	3.96	ND	11.3	ND	1.98	ND	0.793	ND	14.3	ND	1.98	ND	1.59	ND	0.793	ND	1.59	ND	0.793
Tertiary butyl Alcohol	--	--	8.79	7.58	ND	21.5	8.28	3.79	1.92	1.52	ND	27.3	7.43	3.79	ND	3.03	ND	1.52	ND	3.03	9.28	1.52
Methylene chloride	--	60	ND	8.69	ND	49.3	ND	4.34	ND	1.74	ND	62.5	ND	4.34	ND	3.47	ND	3.47	ND	3.47	ND	1.74
3-Chloropropene	--	--	ND	3.13	ND	8.89	ND	1.57	ND	0.626	ND	11.3	ND	1.57	ND	1.25	ND	0.626	ND	1.25	ND	0.626
Carbon disulfide	--	--	13.4	3.11	ND	8.84	12.1	1.56	4.89	0.623	17.8	11.2	7.69	1.56	ND	1.25	0.76	0.623	1.86	1.25	ND	0.623
Freon-113	--	--	ND	7.66	ND	21.8	ND	3.83	ND	1.53	ND	27.6	ND	3.83	ND	3.07	ND	1.53	ND	3.07	ND	1.53
trans-1,2-Dichloroethene	--	--	ND	3.96	ND	11.3	ND	1.98	ND	0.793	ND	14.3	ND	1.98	ND	1.59	ND	0.793	ND	1.59	ND	0.793
1,1-Dichloroethane	--	--	ND	4.05	ND	11.5	ND	2.02	ND	0.809	ND	14.6	ND	2.02	ND	1.62	ND	0.809	ND	1.62	ND	0.809
Methyl tert butyl ether	--	--	ND	3.61	ND	10.2	ND	1.8	ND	0.721	ND	13	ND	1.8	ND	1.44	ND	0.721	ND	1.44	ND	0.721
2-Butanone	--	--	ND	7.37	ND	8.38	5.87	3.69	2.46	1.47	48.4	10.6	16.5	3.69	8.29	2.95	2.7	0.59	5.81	2.95	4.01	1.47
cis-1,2-Dichloroethene	2	--	ND	3.96	ND	11.3	ND	1.98	ND	0.793	ND	14.3	ND	1.98	ND	1.59	ND	0.793	ND	1.59	ND	0.793
Ethyl Acetate	--	--	ND	9.01	ND	25.6	ND	4.5	ND	1.8	ND	32.5	ND	4.5	15.2	3.6	ND	1.8	ND	3.6	ND	1.8
Chloroform	--	--	ND	4.88	126	13.9	12.1	2.44	2.04	0.977	ND	17.6	ND	2.44	ND	1.95	3.86	0.977	4.2	1.95	13.1	0.977
Tetrahydrofuran	--	--	1230	7.37	2820	8.38	522	3.69	279	1.47	3270	10.6	510	3.69	147	2.95	1.23	0.59	ND	2.95	ND	1.47
1,2-Dichloroethane	--	--	ND	4.05	ND	11.5	ND	2.02	ND	0.809	ND	14.6	ND	2.02	ND	1.62	ND	0.809	ND	1.62	ND	0.809
n-Hexane	--	--	14.2	3.52	ND	10	ND	1.76	ND	0.705	ND	12.7	ND	1.76	ND	1.41	1.36	0.705	3.08	1.41	1.08	0.705
1,1,1-Trichloroethane	2	--	ND	5.46	ND	15.5	ND	2.73	ND	1.09	ND	19.6	ND	2.73	ND	2.18	ND	1.09	ND	2.18	ND	1.09
Benzene	--	--	ND	3.19	ND	9.07	ND	1.6	ND	0.639	ND	11.5	ND	1.6	ND	1.28	1.22	0.639	1.89	1.28	3.8	0.639
Carbon tetrachloride	1	--	ND	6.29	ND	17.9	ND	3.15	ND	1.26	ND	22.6	ND	3.15	ND	2.52	ND	1.26	ND	2.52	ND	1.26
Cyclohexane	--	--	ND	3.44	ND	9.78	ND	1.72	ND	0.688	ND	12.4	ND	1.72	ND	1.38	0.747	0.688	2.28	1.38	ND	0.688
1,2-Dichloropropane	--	--	ND	4.62	ND	13.1	ND	2.31	ND	0.924	ND	16.6	ND	2.31	ND	1.85	ND	0.924	ND	1.85	ND	0.924
Bromodichloromethane	--	--	ND	6.7	ND	19	ND	3.35	ND	1.34	ND	24.1	ND	3.35	ND	2.68	ND	1.34	ND	2.68	ND	1.34
1,4-Dioxane	--	--	ND	3.6	ND	10.2	ND	1.8	ND	0.721	ND	13	ND	1.8	ND	1.44	ND	0.721	ND	1.44	ND	0.721
Trichloroethene	1	2	ND	5.37	ND	15.3	ND	2.69	ND	1.07	ND	19.3	ND	2.69	ND	2.15	ND	1.07	ND	2.15	ND	1.07
2,2,4-Trimethylpentane	--	--	ND	4.67	ND	13.3	ND	2.34	ND	0.934	ND	16.8	ND	2.34	ND	1.87	1.24	0.934	2.68	1.87	ND	0.934
Heptane	--	--	10.1	4.1	ND	11.6	ND	2.05	ND	0.82	ND	14.8	ND	2.05	ND	1.64	5.41	0.82	2.46	1.64	3.36	0.82
cis-1,3-Dichloropropene	--	--	ND	4.54	ND	12.9	ND	2.27	ND	0.908	ND	16.3	ND	2.27	ND	1.82	ND	0.908	ND	1.82	ND	0.908
4-Methyl-2-pentanone	--	--	ND	10.2	ND	11.6	ND	5.12	ND	2.05	ND	14.8	ND	5.12	ND	4.1	ND	0.82	ND	4.1	ND	2.05
trans-1,3-Dichloropropene	--	--	ND	4.54	ND	12.9	ND	2.27	ND	0.908	ND	16.3	ND	2.27	ND	1.82	ND	0.908	ND	1.82	ND	0.908
1,1,2-Trichloroethane	--	--	ND	5.46	ND	15.5	ND	2.73	ND	1.09	ND	19.6	ND	2.73	ND	2.18	ND	1.09	ND	2.18	ND	1.09
Toluene	--	--	ND	3.77	63.3	10.7	3.52	1.88	1.51	0.754	14.5	13.6	5.28	1.88	5.09	1.51	9.72	0.754	7.42	1.51	3.15	0.754
2-Hexanone	--	--	ND	4.1	ND	11.6	ND	2.05	1.71	0.82	ND	14.8	ND	2.05	ND	1.64	ND	0.82	ND	1.64	1.3	0.82
Dibromochloromethane	--	--	ND	8.52	ND	24.2	ND	4.26	ND	1.7	ND	30.7	ND	4.26	ND	3.41	ND	1.7	ND	3.41	ND	1.7
1,2-Dibromoethane	--	--	ND	7.69	ND	21.8	ND	3.84	ND	1.54	ND	27.7	ND	3.84	ND	3.07	ND	1.54	ND	3.07	ND	1.54
Tetrachloroethene	2	30	ND	6.78	ND	19.3	13.5	3.39	ND	1.36	ND	24.4	6.17	3.39	ND	2.71	2.33	1.36	4.49	2.71	1.89	1.36
Chlorobenzene	--	--	ND	4.61	ND	13.1	ND	2.3	ND	0.921	ND	16.6	ND	2.3	ND	1.84	ND	0.921	ND	1.84	ND	0.921
Ethylbenzene	--	--	ND	4.34	ND	12.3	ND	2.17	ND	0.869	ND	15.6	ND	2.17	ND	1.74	3.31	0.869	ND	1.74	1.34	0.869
p/m-Xylene	--	--	21.4	8.69	ND	24.6	ND	4.34	9.43	1.74	ND	31.3	ND	4.34	ND	3.47	13.1	1.74	ND	3.47	4.95	1.74
Bromoform	--	--	ND	10.3	ND	29.4	ND	5.17	ND	2.07	ND	37.2	ND	5.17	ND	4.14	ND	2.07	ND	4.14	ND	2.07
Styrene	--	--	ND	4.26	ND	12.1	2.33	2.13	ND	0.852	ND	15.3	3.57	2.13	ND	1.7	ND	0.852	2.38	1.7	0.898	0.852
1,1,2,2-Tetrachloroethane	--	--	ND	6.87	ND	19.5	ND	3.43	ND	1.37	ND	24.7	ND	3.43	ND	2.75	ND	1.37	ND	2.75	ND	1.37
o-Xylene	--	--	17.5	4.34	ND	12.3	2.21	2.17	8.34	0.869	ND	15.6	ND	2.17	ND	1.74	5.34	0.869	1.91	1.74	2.18	0.869
4-Ethyltoluene	--	--	ND	4.92	ND	14	ND	2.46	ND	0.983	ND	17.7	ND	2.46	ND	1.97	ND	0.983	ND	1.97	ND	0.983
1,3,5-Trimethylbenzene	--	--	ND	4.92	ND	14	ND	2.46	1.44	0.983	ND	17.7	ND	2.46	ND	1.97	ND	0.983	2.42	1.97	ND	0.983
1,2,4-Trimethylbenzene	--	--	ND	4.92	ND	14	ND	2.46	2.44	0.983	ND	17.7	ND	2.46	ND	1.97	1.5	0.983	13.1	1.97	1.05	0.983
Benzyl chloride	--	--	ND	5.18	ND	14.7	ND	2.59	ND	1.04	ND	18.6	ND	2.59	ND	2.07	ND	1.04	ND	2.07	ND	1.04
1,3-Dichlorobenzene	--	--	ND	6.01	ND	17.1	4.87	3.01	ND	1.2	ND	21.6	ND	3.01	ND	2.4	ND	1.2	2.44	2.4	ND	1.2
1,4-Dichlorobenzene	--	--	ND	6.01	ND	17.1	ND	3.01	ND	1.2	ND	21.6	ND	3.01	56.6	2.4	ND	1.2	ND	2.4	ND	1.2
1,2-Dichlorobenzene	--	--	ND	6.01	ND	17.1	ND	3.01	ND	1.2	ND	21.6	ND	3.01	ND	2.4	ND	1.2	ND	2.4	ND	1.2
1,2,4-Trichlorobenzene	--	--	ND	7.42	ND	21.1	ND	3.71	ND	1.48	ND	26.7	ND	3.71	ND	2.97	ND	1.48	ND	2.97	ND	1.48
Hexachlorobutadiene	--	--	ND	10.7	ND	30.3	ND	5.33	ND	2.13	ND	38.4	ND	5.33	ND	4.27	ND	2.13	ND	4.27	ND	2.13

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NYSDOH AGV and Matrix values from NYSDOH Soil Vapor Guidance,10/06, except for the revised NYSDOH AGV for PCE from Fact Sheet: Tetrachloroethene (PERC)in Indoor & Outdoor Air, Sep. 2013
Cells highlighted in yellow represent values above NYSDOH AGV's
Cells highlighted in grey represent RL values above NYSDOH AGV's
Qual = Laboratory Data Qualifier
ND = not detected at or above the RL
RL = reporting limit
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
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Results and RL values are in micrograms per cubic meter (ug/m^3)
Results are shown for 2014, 2015, and 2016 sampling events.

Table 1 - Volatile Organic Compounds in Indoor Air, Soil Vapor and Ambient Air Samples
Orangeburg Commons - Orangeburg, NY

LOCATION	NYSDOH Matrix	NYSDOH Air Guidance Value (AGV)	SV-SS-2		SV-SS-2		SV-SS-2		IA-SS-1		IA-SS		IA-SS		SV-SS-3		SV-SS-3		SV-SS-3	
SAMPLING DATE			4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016		4/11/2014		4/22/2015		4/13/2016	
LAB SAMPLE ID			L1407773-04		L1508353-08		L1610895-08		L1407773-01		L1508353-04		L1610895-04		L1407773-09		L1508353-09		L1610895-09	
AREA			Stop and Shop		Stop & Shop		Stop & Shop		Stop and Shop		Stop & Shop		Stop & Shop		Stop and Shop		Stop & Shop		Stop & Shop	
Volatile Organics Unit: µg/m3			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane	--	--	5.14	4.94	ND	1.98	1.34	0.989	2.26	0.989	1.31	0.989	1.79	0.989	ND	0.989	ND	1.98	ND	0.989
Chloromethane	--	--	2.19	2.07	1.93	0.826	1.02	0.413	1.62	0.413	1.33	0.413	1.28	0.413	1.19	0.413	1.56	0.826	2.19	0.413
Freon-114	--	--	ND	6.99	ND	2.8	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	2.8	ND	1.4
Vinyl chloride	1	--	ND	2.56	ND	1.02	ND	0.511	ND	0.051	ND	0.051	ND	0.051	ND	0.511	ND	1.02	ND	0.511
1,3-Butadiene	--	--	ND	2.21	ND	0.885	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.442	ND	0.885	ND	0.442
Bromomethane	--	--	ND	3.88	ND	1.55	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	0.777	ND	1.55	ND	0.777
Chloroethane	--	--	ND	2.64	ND	1.06	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	0.528	ND	1.06	ND	0.528
Ethanol	--	--	620	23.6	496	9.42	17.9	9.42	854	4.71	528	4.71	577	9.42	99.7	4.71	548	9.42	ND	9.42
Vinyl bromide	--	--	ND	4.37	ND	1.75	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	0.874	ND	1.75	ND	0.874
Acetone	--	--	98.6	11.9	45.6	4.75	4.68	2.38	3.92	2.38	22	2.38	ND	2.38	31.8	2.38	35.6	4.75	13.8	2.38
Trichlorofluoromethane	--	--	ND	5.62	ND	2.25	1.39	1.12	1.61	1.12	1.38	1.12	ND	1.12	ND	1.12	ND	2.25	ND	1.12
Isopropanol	--	--	452	6.15	248	2.46	1.33	1.23	45.7	1.23	8.46	1.23	6.83	1.23	56.5	1.23	256	2.46	8.33	1.23
1,1-Dichloroethene	2	--	ND	3.96	ND	1.59	ND	0.793	ND	0.079	ND	0.079	ND	0.079	ND	0.793	ND	1.59	ND	0.793
Tertiary butyl Alcohol	--	--	ND	7.58	5.4	3.03	ND	1.52	ND	1.52	ND	1.52	ND	1.52	ND	1.52	ND	3.03	3.88	1.52
Methylene chloride	--	60	ND	17.4	ND	3.47	6.95	1.74	ND	3.47	5.45	1.74	2.36	1.74	ND	3.47	ND	3.47	ND	1.74
3-Chloropropene	--	--	ND	3.13	ND	1.25	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	0.626	ND	1.25	ND	0.626
Carbon disulfide	--	--	3.61	3.11	1.84	1.25	0.922	0.623	ND	0.623	ND	0.623	ND	0.623	ND	0.623	ND	1.25	ND	0.623
Freon-113	--	--	ND	7.66	ND	3.07	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	1.53	ND	3.07	ND	1.53
trans-1,2-Dichloroethene	--	--	ND	3.96	ND	1.59	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	0.793	ND	1.59	ND	0.793
1,1-Dichloroethane	--	--	ND	4.05	ND	1.62	ND	0.809	ND	0.809	ND	0.809	ND	0.809	2.1	0.809	ND	1.62	1	0.809
Methyl tert butyl ether	--	--	ND	3.61	ND	1.44	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	1.44	ND	0.721
2-Butanone	--	--	12.9	2.95	5.49	2.95	2.42	1.47	2.39	0.59	4.22	1.47	2.7	1.47	5.57	0.59	4.95	2.95	4.95	1.47
cis-1,2-Dichloroethene	2	--	ND	3.96	ND	1.59	ND	0.793	ND	0.079	ND	0.079	ND	0.079	ND	0.793	ND	1.59	ND	0.793
Ethyl Acetate	--	--	ND	9.01	ND	3.6	ND	1.8	8.94	1.8	6.41	1.8	2.71	1.8	ND	1.8	ND	3.6	ND	1.8
Chloroform	--	--	ND	4.88	2.93	1.95	3.09	0.977	ND	0.977	ND	0.977	1.7	0.977	ND	0.977	ND	1.95	ND	0.977
Tetrahydrofuran	--	--	ND	2.95	ND	2.95	1.82	1.47	0.669	0.59	ND	1.47	ND	1.47	2.98	0.59	ND	2.95	ND	1.47
1,2-Dichloroethane	--	--	ND	4.05	ND	1.62	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	0.809	ND	1.62	ND	0.809
n-Hexane	--	--	ND	3.52	ND	1.41	1.13	0.705	0.715	0.705	0.715	0.705	ND	0.705	1.3	0.705	ND	1.41	ND	0.705
1,1,1-Trichloroethane	2	--	ND	5.46	ND	2.18	ND	1.09	ND	0.109	ND	0.109	ND	0.109	ND	1.09	ND	2.18	ND	1.09
Benzene	--	--	ND	3.19	ND	1.28	0.805	0.639	ND	0.639	0.696	0.639	ND	0.639	4.31	0.639	1.97	1.28	1.87	0.639
Carbon tetrachloride	1	--	ND	6.29	ND	2.52	ND	1.26	0.767	0.126	0.579	0.126	0.868	0.126	ND	1.26	ND	2.52	ND	1.26
Cyclohexane	--	--	ND	3.44	9.29	1.38	ND	0.688	ND	0.688	ND	0.688	ND	0.688	3.35	0.688	2	1.38	0.768	0.688
1,2-Dichloropropane	--	--	ND	4.62	5.64	1.85	5.55	0.924	ND	0.924	ND	0.924	ND	0.924	ND	0.924	ND	1.85	1.2	0.924
Bromodichloromethane	--	--	ND	6.7	ND	2.68	ND	1.34	ND	1.34	ND	1.34	ND	1.34	ND	1.34	ND	2.68	ND	1.34
1,4-Dioxane	--	--	ND	3.6	ND	1.44	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	0.721	ND	1.44	ND	0.721
Trichloroethene	1	2	ND	5.37	ND	2.15	ND	1.07	ND	0.107	ND	0.107	ND	0.107	ND	1.07	ND	2.15	ND	1.07
2,2,4-Trimethylpentane	--	--	ND	4.67	ND	1.87	ND	0.934	ND	0.934	ND	0.934	ND	0.934	4.95	0.934	ND	1.87	1.29	0.934
Heptane	--	--	5.16	4.1	ND	1.64	2.05	0.82	1.89	0.82	ND	0.82	1.23	0.82	3.94	0.82	ND	1.64	1.07	0.82
cis-1,3-Dichloropropene	--	--	ND	4.54	ND	1.82	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	1.82	ND	0.908
4-Methyl-2-pentanone	--	--	ND	4.1	ND	4.1	ND	2.05	ND	0.82	ND	2.05	ND	2.05	ND	0.82	ND	4.1	ND	2.05
trans-1,3-Dichloropropene	--	--	ND	4.54	ND	1.82	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	0.908	ND	1.82	ND	0.908
1,1,2-Trichloroethane	--	--	ND	5.46	ND	2.18	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	1.09	ND	2.18	ND	1.09
Toluene	--	--	14.2	3.77	8.82	1.51	3.96	0.754	4.56	0.754	6.18	0.754	1.94	0.754	6.03	0.754	3.69	1.51	2.42	0.754
2-Hexanone	--	--	ND	4.1	ND	1.64	1.01	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	1.64	5.61	0.82
Dibromochloromethane	--	--	ND	8.52	ND	3.41	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	3.41	ND	1.7
1,2-Dibromoethane	--	--	ND	7.69	ND	3.07	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	1.54	ND	3.07	ND	1.54
Tetrachloroethene	2	30	ND	6.78	3.8	2.71	ND	1.36	0.346	0.136	0.461	0.136	ND	0.136	2.02	1.36	2.77	2.71	5.4	1.36
Chlorobenzene	--	--	ND	4.61	ND	1.84	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	0.921	ND	1.84	ND	0.921
Ethylbenzene	--	--	4.69	4.34	ND	1.74	2.87	0.869	ND	0.869	ND	0.869	ND	0.869	3.08	0.869	ND	1.74	1.55	0.869
p/m-Xylene	--	--	18.2	8.69	5	3.47	6.39	1.74	ND	1.74	ND	1.74	ND	1.74	12.9	1.74	3.57	3.47	3.88	1.74
Bromoform	--	--	ND	10.3	ND	4.14	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	2.07	ND	4.14	ND	2.07
Styrene	--	--	ND	4.26	2.76	1.7	1.47	0.852	1.28	0.852	1.11	0.852	ND	0.852	ND	0.852	1.95	1.7	ND	0.852
1,1,2,2-Tetrachloroethane	--	--	ND	6.87	ND	2.75	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	1.37	ND	2.75	ND	1.37
o-Xylene	--	--	7.12	4.34	2.68	1.74	5.13	0.869	ND	0.869	ND	0.869	ND	0.869	5.39	0.869	1.92	1.74	2.65	0.869
4-Ethyltoluene	--	--	ND	4.92	ND	1.97	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	1.97	ND	0.983
1,3,5-Trimethylbenzene	--	--	ND	4.92	ND	1.97	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	0.983	ND	1.97	ND	0.983
1,2,4-Trimethylbenzene	--	--	ND	4.92	3.27	1.97	1.27	0.983	ND	0.983	ND	0.983	ND	0.983	1.5	0.983	2.38	1.97	1.9	0.983
Benzyl chloride	--	--	ND	5.18	ND	2.07	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	1.04	ND	2.07	ND	1.04
1,3-Dichlorobenzene	--	--	ND	6.01	3.14	2.4	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	3.79	2.4	ND	1.2
1,4-Dichlorobenzene	--	--	ND	6.01	ND	2.4	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	2.4	ND	1.2
1,2-Dichlorobenzene	--	--	ND	6.01	ND	2.4	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	2.4	ND	1.2
1,2,4-Trichlorobenzene	--	--	ND	7.42	ND	2.97	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	1.48	ND	2.97	ND	1.48
Hexachlorobutadiene	--	--	ND	10.7	ND	4.27	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	2.13	ND	4.27	ND	2.13

NYSDOH Air Guidance Value = New York State Department of Health Air Guidance Values (AGV)
NYSDOH AGV from NYSDOH Soil Vapor Guidance, Oct. 2006, except for the revised NYSDOH AGV for PCE from Fact Sheet: Tetrachloroethene (PERC) in Indoor & Outdoor Air, Sep. 2013
NYSDOH Matrix = number of the Soil Vapor/Indoor Air decision matrix from the NYSDOH Soil Vapor Guidance, October 2006; Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance,10/06
NYSDOH AGV and Matrix values from NYSDOH Soil Vapor Guidance,10/06, except for the revised NYSDOH AGV for PCE from Fact Sheet: Tetrachloroethene (PERC)in Indoor & Outdoor Air, Sep. 2013
Cells highlighted in yellow represent values above NYSDOH AGV's
Cells highlighted in grey represent RL values above NYSDOH AGV's
Qual = Laboratory Data Qualifier
ND = not detected at or above the RL
RL = reporting limit
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
-- = No Standard
Results and RL values are in micrograms per cubic meter (ug/m^3)
Results are shown for 2014, 2015, and 2016 sampling events.

Table 2 - Volatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R-2		MW-3R		MW-6R		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK		TRIP BLANK	
LAB ID:		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15	
COLLECTION DATE:	NY-AWQS	L1508596-06		L1508596-04		L1508596-02		L1508596-03		L1508596-07		L1508596-05		L1508596-01		L1508596-08		L1508596-09	
Volatile Organic Compounds Units: ug/l		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Methylene chloride	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon tetrachloride	5	5.4	U	0.13	U	0.13	U	0.13	U	3.4	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloropropane	1	5.3	U	0.13	U	0.13	U	0.13	U	3.3	U	0.13	U	0.13	U	0.13	U	0.13	U
Dibromochloromethane	50	6	U	0.15	U	0.15	U	0.15	U	3.7	U	0.15	U	0.15	U	0.15	U	0.15	U
1,1,2-Trichloroethane	1	20	U	0.5	U	0.5	U	0.5	U	12	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	5	7.2	U	0.18	U	0.18	U	0.18	U	4.5	U	0.18	U	0.18	U	0.18	U	0.18	U
Chlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichlorofluoromethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	5.3	U	0.13	U	0.13	U	0.13	U	3.3	U	0.13	U	0.13	U	0.13	U	0.13	U
1,1,1-Trichloroethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	7.7	U	0.19	U	0.19	U	0.19	U	4.8	U	0.19	U	0.19	U	0.19	U	0.19	U
trans-1,3-Dichloropropene	0.4	6.6	U	0.16	U	0.16	U	0.16	U	4.1	U	0.16	U	0.16	U	0.16	U	0.16	U
cis-1,3-Dichloropropene	0.4	5.8	U	0.14	U	0.14	U	0.14	U	3.6	U	0.14	U	0.14	U	0.14	U	0.14	U
1,3-Dichloropropene, Total	--	5.8	U	0.14	U	0.14	U	0.14	U	3.6	U	0.14	U	0.14	U	0.14	U	0.14	U
1,1-Dichloropropene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromoform	50	26	U	0.65	U	0.65	U	0.65	U	16	U	0.65	U	0.65	U	0.65	U	0.65	U
1,1,2,2-Tetrachloroethane	5	5.8	U	0.14	U	0.14	U	0.14	U	3.6	U	0.14	U	0.14	U	0.14	U	0.14	U
Benzene	1	6.4	U	0.16	U	2		0.16	U	4	U	0.16	U	0.16	U	0.16	U	0.16	U
Toluene	5	28	U	0.7	U	0.7	U	0.98	J	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromomethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Vinyl chloride	2	2.8	U	0.07	U	0.07	U	0.07	U	1.7	U	0.07	U	0.07	U	0.07	U	0.07	U
Chloroethane	5	28	U	0.7	U	0.7	U	2.8		18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	5.7	U	0.14	U	0.14	U	0.14	U	3.6	U	0.14	U	0.14	U	0.14	U	0.14	U
trans-1,2-Dichloroethene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichloroethene	5	7	U	0.18	U	0.18	U	0.18	U	4.4	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Xylenes, Total	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethene, Total	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Dibromomethane	5	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
1,2,3-Trichloropropane	0.04	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Acrylonitrile	5	60	U	1.5	U	1.5	U	1.5	U	38	U	1.5	U	1.5	U	1.5	U	1.5	U
Styrene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Dichlorodifluoromethane	5	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
Acetone	50	58	U	2.4	J	1.5	U	1.5	U	36	U	1.5	U	2.8	J	1.5	U	1.5	U
Carbon disulfide	60	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
2-Butanone	50	78	U	1.9	U	1.9	U	1.9	U	48	U	1.9	U	1.9	U	1.9	U	1.9	U
Vinyl acetate	--	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	--	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
2-Hexanone	50	40	U	1	U	1	U	1	U	25	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
2,2-Dichloropropane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	26	U	0.65	U	0.65	U	0.65	U	16	U	0.65	U	0.65	U	0.65	U	0.65	U
1,3-Dichloropropane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1,2-Tetrachloroethane	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromobenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	28	U	0.7	U	0.7	U	2.4	J	18	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	1500		1	J	0.7	U	7.8		1600		0.7	U	1.9	J	0.7	U	0.7	U
n-Propylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trichlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3,5-Trimethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dioxane	--	1600	U	41	U	41	U	41	U	1000	U	41	U	41	U	41	U	41	U
p-Diethylbenzene	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	5	26	U	0.65	U	0.65	U	0.65	U	16	U	0.65	U	0.65	U	0.65	U	0.65	U
Ethyl ether	--	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,4-Dichloro-2-butene	5	28	U	0.7	U	0.7	U	0.7	U	18	U	0.7	U	0.7	U	0.7	U	0.7	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 2 - Volatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3		MW-6R		MW-7R2		MW-8R		DUPLICATE		MW-12		MW-13		FIELD BLANK		TRIP BLANK	
LAB ID:		L1518686-04		L1518686-03		L1518686-02		L1518686-09		L1518686-06		L1518686-07		L1518686-08		L1518686-01		L1518686-05		L1518686-10	
COLLECTION DATE:	NY-AWQS	8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015	
Volatile Organic Compounds Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Methylene chloride	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon tetrachloride	5	1.3	U	0.13	U	0.13	U	0.13	U	2.7	U	2.7	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloropropane	1	1.3	U	0.13	U	0.13	U	0.13	U	2.7	U	2.7	U	0.13	U	0.13	U	0.13	U	0.13	U
Dibromochloromethane	50	1.5	U	0.15	U	0.15	U	0.15	U	3	U	3	U	0.15	U	0.15	U	0.15	U	0.15	U
1,1,2-Trichloroethane	1	5	U	0.5	U	0.5	U	0.5	U	10	U	10	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	5	1.8	U	0.18	U	0.18	U	0.18	U	3.6	U	3.6	U	0.18	U	0.18	U	0.18	U	0.18	U
Chlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichlorofluoromethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	1.3	U	0.13	U	0.13	U	0.13	U	2.6	U	2.6	U	0.13	U	0.13	U	0.13	U	0.13	U
1,1,1-Trichloroethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	1.9	U	0.19	U	0.19	U	0.19	U	3.8	U	3.8	U	0.19	U	0.19	U	0.19	U	0.19	U
trans-1,3-Dichloropropene	0.4	1.6	U	0.16	U	0.16	U	0.16	U	3.3	U	3.3	U	0.16	U	0.16	U	0.16	U	0.16	U
cis-1,3-Dichloropropene	0.4	1.4	U	0.14	U	0.14	U	0.14	U	2.9	U	2.9	U	0.14	U	0.14	U	0.14	U	0.14	U
1,3-Dichloropropene, Total	--	1.4	U	0.14	U	0.14	U	0.14	U	2.9	U	2.9	U	0.14	U	0.14	U	0.14	U	0.14	U
1,1-Dichloropropene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromoform	50	6.5	U	0.65	U	0.65	U	0.65	U	13	U	13	U	0.65	U	0.65	U	0.65	U	0.65	U
1,1,2,2-Tetrachloroethane	5	1.4	U	0.14	U	0.14	U	0.14	U	2.9	U	2.9	U	0.14	U	0.14	U	0.14	U	0.14	U
Benzene	1	1.6	U	0.16	U	0.16	U	0.2	J	3.2	U	3.2	U	0.16	U	0.16	U	0.16	U	0.16	U
Toluene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromomethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Vinyl chloride	2	0.7	U	0.07	U	0.07	U	0.07	U	1.4	U	1.4	U	0.07	U	0.07	U	0.07	U	0.07	U
Chloroethane	5	7	U	0.7	U	0.7	U	2.8		14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	1.4	U	0.22	J	0.14	U	0.14	U	2.8	U	2.8	U	0.14	U	0.14	U	0.14	U	0.14	U
trans-1,2-Dichloroethene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichloroethene	5	1.8	U	0.18	U	0.18	U	0.18	U	3.5	U	3.5	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Xylenes, Total	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethene, Total	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Dibromomethane	5	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
1,2,3-Trichloropropane	0.04	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Acrylonitrile	5	15	U	1.5	U	1.5	U	1.5	U	30	U	30	U	1.5	U	1.5	U	1.5	U	1.5	U
Styrene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Dichlorodifluoromethane	5	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
Acetone	50	20	J	1.5	U	1.5	U	1.5	U	81	J	36	J	1.5	U	2.5	J	5.7		1.5	U
Carbon disulfide	60	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
2-Butanone	50	19	U	1.9	U	1.9	U	1.9	U	54	J	39	U	1.9	U	1.9	U	1.9	U	1.9	U
Vinyl acetate	--	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	--	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
2-Hexanone	50	10	U	1	U	1	U	1	U	20	U	20	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
2,2-Dichloropropane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	6.5	U	0.65	U	0.65	U	0.65	U	13	U	13	U	0.65	U	0.65	U	0.65	U	0.65	U
1,3-Dichloropropane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1,2-Tetrachloroethane	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromobenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	1100		0.7	U	0.7	U	6.4		1800		1600		0.7	U	0.89	J	0.7	U	0.7	U
n-Propylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trichlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3,5-Trimethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dioxane	--	410	U	41	U	41	U	41	U	820	U	820	U	41	U	41	U	41	U	41	U
p-Diethylbenzene	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	5	6.5	U	0.65	U	0.65	U	0.65	U	13	U	13	U	0.65	U	0.65	U	0.65	U	0.65	U
Ethyl ether	--	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,4-Dichloro-2-butene	5	7	U	0.7	U	0.7	U	0.7	U	14	U	14	U	0.7	U	0.7	U	0.7	U	0.7	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
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NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 2 - Volatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3R		MW-3R DUP		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK		TRIP BLANK	
LAB ID:		L1531300-03		L1531300-01		L1531300-09		L1531300-05		L1531300-04		L1531300-02		L1531300-06		L1531300-07		L1531300-08	
COLLECTION DATE:	NY-AWQS	11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015	
Volatile Organic Compounds Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Methylene chloride	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon tetrachloride	5	6.7	U	0.13	U	0.13	U	0.13	U	5.4	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloropropane	1	6.6	U	0.13	U	0.13	U	0.13	U	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U
Dibromochloromethane	50	7.4	U	0.15	U	0.15	U	0.15	U	6	U	0.15	U	0.15	U	0.15	U	0.15	U
1,1,2-Trichloroethane	1	25	U	0.5	U	0.5	U	0.5	U	20	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	5	9	U	0.18	U	0.18	U	0.18	U	7.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Chlorobenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichlorofluoromethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	6.6	U	0.13	U	0.13	U	0.13	U	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U
1,1,1-Trichloroethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	9.6	U	0.19	U	0.19	U	0.19	U	7.7	U	0.19	U	0.19	U	0.19	U	0.19	U
trans-1,3-Dichloropropene	0.4	8.2	U	0.16	U	0.16	U	0.16	U	6.6	U	0.16	U	0.16	U	0.16	U	0.16	U
cis-1,3-Dichloropropene	0.4	7.2	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
1,3-Dichloropropene, Total	--	7.2	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
1,1-Dichloropropene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromoform	50	32	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
1,1,2,2-Tetrachloroethane	5	7.2	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
Benzene	1	8	U	0.16	U	0.16	U	0.18	J	6.4	U	0.16	U	0.16	U	0.16	U	0.16	U
Toluene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromomethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Vinyl chloride	2	3.5	U	0.07	U	0.07	U	0.07	U	2.8	U	0.07	U	0.07	U	0.07	U	0.07	U
Chloroethane	5	35	U	0.7	U	0.7	U	1.4	J	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	7.1	U	0.14	U	0.14	U	0.14	U	5.7	U	0.14	U	0.14	U	0.14	U	0.14	U
trans-1,2-Dichloroethene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichloroethene	5	8.8	U	0.18	U	0.18	U	0.18	U	7	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	3	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	3	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dichlorobenzene	3	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Xylenes, Total	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethene, Total	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Dibromomethane	5	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
1,2,3-Trichloropropane	0.04	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Acrylonitrile	5	75	U	1.5	U	1.5	U	1.5	U	60	U	1.5	U	1.5	U	1.5	U	1.5	U
Styrene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Dichlorodifluoromethane	5	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
Acetone	50	73	U	2.5	J	1.5	U	1.7	J	58	U	1.5	U	5.6		1.5	U	3.3	J
Carbon disulfide	60	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
2-Butanone	50	97	U	1.9	U	1.9	U	1.9	U	78	U	1.9	U	1.9	U	1.9	U	1.9	U
Vinyl acetate	--	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	--	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
2-Hexanone	50	50	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
2,2-Dichloropropane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	32	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
1,3-Dichloropropane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1,2-Tetrachloroethane	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromobenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	2500		0.7	U	0.7	U	6		2000		0.7	U	1.4	J	0.7	U	0.7	U
n-Propylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trichlorobenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3,5-Trimethylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dioxane	--	2000	U	41	U	41	U	41	U	1600	U	41	U	41	U	41	U	41	U
p-Diethylbenzene	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	5	32	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
Ethyl ether	--	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,4-Dichloro-2-butene	5	35	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 2 - Volatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3R		MW-3R DUP		MW-6R		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK		TRIP BLANK	
LAB ID:		L1606513-08		L1606513-06		L1606513-07		L1606513-02		L1606513-04		L1606513-05		L1606513-03		L1606513-01		L1606513-09		L1606513-10	
COLLECTION DATE:	NY-AWQS	3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016	
Volatile Organic Compounds																					
Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Methylene chloride	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon tetrachloride	5	5.4	U	0.13	U	0.13	U	0.13	U	0.13	U	5.4	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloropropane	1	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U
Dibromochloromethane	50	6	U	0.15	U	0.15	U	0.15	U	0.15	U	6	U	0.15	U	0.15	U	0.15	U	0.15	U
1,1,2-Trichloroethane	1	20	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	5	7.2	U	0.18	U	0.18	U	0.18	U	0.18	U	7.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Chlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichlorofluoromethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U	5.3	U	0.13	U	0.13	U	0.13	U	0.13	U
1,1,1-Trichloroethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	7.7	U	0.19	U	0.19	U	0.19	U	0.19	U	7.7	U	0.19	U	0.19	U	0.19	U	0.19	U
trans-1,3-Dichloropropene	0.4	6.6	U	0.16	U	0.16	U	0.16	U	0.16	U	6.6	U	0.16	U	0.16	U	0.16	U	0.16	U
cis-1,3-Dichloropropene	0.4	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
1,3-Dichloropropene, Total	--	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
1,1-Dichloropropene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromoform	50	26	U	0.65	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
1,1,2,2-Tetrachloroethane	5	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U	5.8	U	0.14	U	0.14	U	0.14	U	0.14	U
Benzene	1	6.4	U	0.16	U	0.16	U	0.25	J	0.2	J	6.4	U	0.16	U	0.16	U	0.16	U	0.16	U
Toluene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromomethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Vinyl chloride	2	2.8	U	0.07	U	0.07	U	0.07	U	0.07	U	2.8	U	0.07	U	0.07	U	0.07	U	0.07	U
Chloroethane	5	28	U	0.7	U	0.7	U	0.7	U	1.5	J	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	5.7	U	0.14	U	0.14	U	0.14	U	0.14	U	5.7	U	0.14	U	0.14	U	0.14	U	0.14	U
trans-1,2-Dichloroethene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichloroethene	5	7	U	0.18	U	0.18	U	0.18	U	0.18	U	7	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dichlorobenzene	3	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Xylenes, Total	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethene, Total	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Dibromomethane	5	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
1,2,3-Trichloropropane	0.04	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Acrylonitrile	5	60	U	1.5	U	1.5	U	1.5	U	1.5	U	60	U	1.5	U	1.5	U	1.5	U	1.5	U
Styrene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Dichlorodifluoromethane	5	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
Acetone	50	58	U	1.5	U	1.5	U	1.7	J	1.5	U	58	U	1.5	U	7.1		2.8	J	1.5	U
Carbon disulfide	60	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
2-Butanone	50	78	U	1.9	U	1.9	U	1.9	U	1.9	U	78	U	1.9	U	1.9	U	1.9	U	1.9	U
Vinyl acetate	--	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	--	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
2-Hexanone	50	40	U	1	U	1	U	1	U	1	U	40	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
2,2-Dichloropropane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	26	U	0.65	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
1,3-Dichloropropane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1,2-Tetrachloroethane	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromobenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	3400		0.7	U	0.7	U	0.7	U	11		2300		0.7	U	0.7	U	0.78	J	0.7	U
n-Propylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trichlorobenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3,5-Trimethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dioxane	--	1600	U	41	U	41	U	41	U	41	U	1600	U	41	U	41	U	41	U	41	U
p-Diethylbenzene	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	5	26	U	0.65	U	0.65	U	0.65	U	0.65	U	26	U	0.65	U	0.65	U	0.65	U	0.65	U
Ethyl ether	--	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,4-Dichloro-2-butene	5	28	U	0.7	U	0.7	U	0.7	U	0.7	U	28	U	0.7	U	0.7	U	0.7	U	0.7	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 3 - Semivolatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R-2		MW-3R		MW-6R		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK	
LAB ID:		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15		4/24/15	
COLLECTION DATE:	NY-AWQS	L1508596-06		L1508596-04		L1508596-02		L1508596-03		L1508596-07		L1508596-05		L1508596-01		L1508596-08	
Semivolatile Organic Compounds Units: ug/l		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
1,2,4-Trichlorobenzene	5	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1	U	0.21	U
Bis(2-chloroethyl)ether	1	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	2	U	0.41	U
1,2-Dichlorobenzene	3	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U
1,3-Dichlorobenzene	3	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	1.8	U	0.35	U
1,4-Dichlorobenzene	3	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U
3,3'-Dichlorobenzidine	5	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	2.4	U	0.48	U
2,4-Dinitrotoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	5.2	U	1	U
2,6-Dinitrotoluene	5	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	4.4	U	0.89	U
4-Chlorophenyl phenyl ether	--	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U
4-Bromophenyl phenyl ether	--	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	2.1	U	0.43	U
Bis(2-chloroisopropyl)ether	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	3	U	0.6	U
Bis(2-chloroethoxy)methane	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	3	U	0.6	U
Hexachlorocyclopentadiene	5	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	2.9	U	0.58	U
Isophorone	50	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	3.9	U	0.79	U
Nitrobenzene	0.4	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	2	U	0.4	U
NitrosoDiPhenylAmine(NDPA)/DPA	50	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U	0.34	U
n-Nitrosodi-n-propylamine	--	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	3.2	U	0.64	U
Bis(2-Ethylhexyl)phthalate	5	0.93	U	0.93	U	0.93	U	0.93	U	0.93	U	0.93	U	4.6	U	0.93	U
Butyl benzyl phthalate	50	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	5.6	U	1.1	U
Di-n-butylphthalate	50	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	3.8	U	0.77	U
Di-n-octylphthalate	50	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	6	U	1.2	U
Diethyl phthalate	50	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	2	U	0.39	U
Dimethyl phthalate	50	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.7	U	0.33	U
Biphenyl	5	14		0.24	U	0.24	U	0.24	U	19		0.24	U	1.2	U	0.24	U
4-Chloroaniline	5	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	4.2	U	0.84	U
2-Nitroaniline	5	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	4.8	U	0.96	U
3-Nitroaniline	5	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	3.3	U	0.67	U
4-Nitroaniline	5	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	4.2	U	0.83	U
Dibenzofuran	--	55	U	1.2	J	0.22	U	5.1		78		0.22	U	3.2	J	0.22	U
1,2,4,5-Tetrachlorobenzene	5	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U
Acetophenone	--	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	2.1	U	0.43	U
2,4,6-Trichlorophenol	--	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	3.9	U	0.78	U
P-Chloro-M-Cresol	--	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U	0.54	U
2-Chlorophenol	--	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	2.9	U	0.58	U
2,4-Dichlorophenol	1	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	2.8	U	0.56	U
2,4-Dimethylphenol	50	0.58	U	0.58	U	0.58	U	0.58	U	30		0.58	U	2.9	U	0.58	U
2-Nitrophenol	--	1	U	1	U	1	U	1	U	1	U	1	U	5.2	U	1	U
4-Nitrophenol	--	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	5.4	U	1.1	U
2,4-Dinitrophenol	10	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7	U	1.4	U
4,6-Dinitro-o-cresol	--	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	6.8	U	1.4	U
Phenol	1	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	1.4	U	0.27	U
2-Methylphenol	--	2.2	J	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	3.5	U	0.7	U
3-Methylphenol/4-Methylphenol	--	8.9		0.72	U	0.72	U	3.5	J	2.6	J	0.72	U	3.6	U	0.72	U
2,4,5-Trichlorophenol	--	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	3.7	U	0.75	U
Benzoic Acid	--	1	U	1	U	1	U	1	U	1	U	1	U	5	U	1	U
Benzyl Alcohol	--	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	3.4	U	0.68	U
Carbazole	--	62		3		0.37	U	100		92		0.37	U	25	J	0.37	U
Acenaphthene	20	220		6.9		0.06	U	20		700		0.06	U	9.7		0.06	U
2-Chloronaphthalene	10	0.33	U	0.07	U	0.07	U	0.13	U	1.3	U	0.07	U	0.26	U	0.07	U
Fluoranthene	50	24		13		0.18	J	19		17		0.09	J	58		0.04	U
Hexachlorobutadiene	0.5	0.36	U	0.07	U	0.07	U	0.14	U	1.4	U	0.07	U	0.28	U	0.07	U
Naphthalene	10	850		1.3		0.06	U	4.6		1800		0.13	J	1.1		0.06	U
Benzo(a)anthracene	0.002	9.4		7		0.13	J	7.1		1.6	J	0.06	J	40		0.06	U
Benzo(a)pyrene	0	7.4		5.2		0.11	J	5.3		1.4	U	0.07	U	38		0.07	U
Benzo(b)fluoranthene	0.002	11		9.4		0.15	J	7.2		1.4	U	0.07	U	53		0.07	U
Benzo(k)fluoranthene	0.002	4.1		3.5		0.07	U	2.8		1.4	U	0.07	U	21		0.07	U
Chrysene	0.002	10		7.1		0.12	J	7.6		1.6	J	0.06	J	43		0.05	U
Acenaphthylene	--	0.25	U	0.05	U	0.05	U	0.1	U	1	U	0.05	U	0.29	J	0.05	U
Anthracene	50	13		2.4		0.06	U	6.3		19		0.06	U	7.2		0.06	U
Benzo(ghi)perylene	--	4.8		3.8		0.07	J	3.1		1.4	U	0.07	U	26		0.07	U
Fluorene	50	55		3.1		0.06	U	10		170		0.06	U	5.9		0.06	U
Phenanthrene	50	56		10		0.13	J	28		150		0.06	U	28		0.06	U
Dibenzo(a,h)anthracene	--	1.4		0.98		0.07	U	0.93		1.5	U	0.07	U	8		0.07	U
Indeno(1,2,3-cd)Pyrene	0.002	4		3.3		0.08	U	2.7		1.6	U	0.08	U	23		0.08	U
Pyrene	50	18		11		0.15	J	15		11		0.06	U	50		0.06	U
2-Methylnaphthalene	--	77		0.07	J	0.06	U	1.7		310		0.06	U	0.24	U	0.06	U
Pentachlorophenol	1	0.94	U	0.19	U	0.19	U	0.37	U	3.7	U	0.19	U	0.75	U	0.19	U
Hexachlorobenzene	0.04	0.07	U	0.01	U	0.01	U	0.03	U	0.28	U	0.01	U	0.06	U	0.01	U
Hexachloroethane	5	0.32	U	0.07	U	0.07	U	0.13	U	1.3	U	0.07	U	0.26	U	0.07	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 3 - Semivolatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3		MW-6R		MW-7R2		MW-8R		DUPLICATE		MW-12		MW-13		FIELD BLANK	
LAB ID:		L1518686-04		L1518686-03		L1518686-02		L1518686-09		L1518686-06		L1518686-07		L1518686-08		L1518686-01		L1518686-05	
COLLECTION DATE:	NY-AWQS	8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015		8/6/2015	
Semivolatile Organic Compounds Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	**Result**	**Q**	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4-Trichlorobenzene	5	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Bis(2-chloroethyl)ether	1	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
1,2-Dichlorobenzene	3	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
1,3-Dichlorobenzene	3	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,4-Dichlorobenzene	3	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
3,3'-Dichlorobenzidine	5	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
2,4-Dinitrotoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2,6-Dinitrotoluene	5	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U	0.89	U
4-Chlorophenyl phenyl ether	--	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
4-Bromophenyl phenyl ether	--	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Bis(2-chloroisopropyl)ether	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Bis(2-chloroethoxy)methane	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Hexachlorocyclopentadiene	5	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U
Isophorone	50	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Nitrobenzene	0.4	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
NitrosoDiPhenylAmine(NDPA)/DPA	50	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
n-Nitrosodi-n-propylamine	--	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U
Bis(2-Ethylhexyl)phthalate	5	0.93	U	0.93	U	0.93	U	0.93	U	0.93	U	3.3		0.93	U	0.93	U	0.93	U
Butyl benzyl phthalate	50	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Di-n-butylphthalate	50	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U
Di-n-octylphthalate	50	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
Diethyl phthalate	50	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U
Dimethyl phthalate	50	0.33	U	0.33	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Biphenyl	--	7.6		0.24	U	0.24	U	0.24	U	14		22		0.24	U	0.24	U	0.24	U
4-Chloroaniline	5	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U
2-Nitroaniline	5	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U
3-Nitroaniline	5	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
4-Nitroaniline	5	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U
Dibenzofuran	--	34		1.3	J	0.22	U	4.6		63		91		0.22	U	1.1	J	0.22	U
1,2,4,5-Tetrachlorobenzene	5	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Acetophenone	--	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.75	J
2,4,6-Trichlorophenol	--	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U
P-Chloro-M-Cresol	--	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
2-Chlorophenol	--	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U	0.58	U
2,4-Dichlorophenol	1	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U
2,4-Dimethylphenol	50	10		0.58	U	0.58	U	0.58	U	28		53		0.58	U	0.58	U	0.58	U
2-Nitrophenol	--	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
4-Nitrophenol	--	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
2,4-Dinitrophenol	10	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
4,6-Dinitro-o-cresol	--	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Phenol	1	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
2-Methylphenol	--	1.3	J	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
3-Methylphenol/4-Methylphenol	--	4.7	J	0.72	U	0.72	U	1.1	J	2.4	J	4.7	J	0.72	U	0.72	U	0.72	U
2,4,5-Trichlorophenol	--	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
Benzoic Acid	--	1	U	1	U	1	U	5.7	J	1	U	1	U	5.6	J	1	U	1	U
Benzyl Alcohol	--	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U
Carbazole	--	0.37	U	4.2		0.37	U	79		68		110		0.37	U	10		0.37	U
Acenaphthene	20	140		5.2		0.04	U	14		290		420		0.04	U	3.6		0.04	U
2-Chloronaphthalene	10	0.35	U	0.04	U	0.04	U	0.04	U	1.8	U	0.35	U	0.04	U	0.04	U	0.04	U
Fluoranthene	50	9.7		5		0.04	U	7.9		9.4	J	16		0.05	J	3.4		0.04	U
Hexachlorobutadiene	0.5	0.36	U	0.04	U	0.04	U	0.04	U	1.8	U	0.36	U	0.04	U	0.04	U	0.04	U
Naphthalene	10	400		0.25		0.04	U	3.2		660		1100		0.05	J	0.35		0.04	U
Benzo(a)anthracene	--	0.66	J	0.4		0.02	U	0.79		0.8	U	1.6	J	0.03	J	0.22		0.02	U
Benzo(a)pyrene	0	0.46	J	0.08	J	0.04	U	0.36		2	U	1.2	J	0.05	J	0.04	U	0.04	U
Benzo(b)fluoranthene	0.002	0.23	J	0.09	J	0.02	U	0.42		0.8	U	1.2	J	0.03	J	0.02	U	0.02	U
Benzo(k)fluoranthene	0.002	0.42	U	0.04	U	0.04	U	0.16	J	2.1	U	0.44	J	0.04	U	0.04	U	0.04	U
Chrysene	0.002	0.42	J	0.28		0.04	U	0.64		1.9	U	1.4	J	0.04	U	0.18	J	0.04	U
Acenaphthylene	--	0.35	U	0.04	U	0.04	U	0.04	U	1.8	U	0.35	U	0.04	U	0.04	U	0.04	U
Anthracene	50	7.4		1.8		0.04	U	4.2		8.4	J	15		0.04	U	1.4		0.04	U
Benzo(ghi)perylene	--	0.42	U	0.04	U	0.04	U	0.14	J	2.1	U	0.47	J	0.04	U	0.04	U	0.04	U
Fluorene	50	42		2.6		0.04	U	8.1		79		120		0.04	U	2.2		0.04	U
Phenanthrene	50	32		5.3		0.02	U	14		67		99		0.02	J	3.4		0.02	U
Dibenzo(a,h)anthracene	--	0.39	U	0.04	U	0.04	U	0.05	J	2	U	0.39	U	0.04	U	0.04	U	0.04	U
Indeno(1,2,3-cd)Pyrene	0.002	0.4	U	0.04	U	0.04	U	0.17	J	2	U	0.52	J	0.04	U	0.04	U	0.04	U
Pyrene	50	6.5		3.5		0.04	U	5.5		6	J	9.9		0.1	J	2.4		0.04	U
2-Methylnaphthalene	--	53		0.05	U	0.05	U	1.5		140		210		0.05	U	0.05	U	0.05	U
Pentachlorophenol	1	2.2	U	0.22	U	0.22	U	0.22	U	11	U	2.2	U	0.22	U	0.22	U	0.22	U
Hexachlorobenzene	0.04	0.32	U	0.03	U	0.03	U	0.03	U	1.6	U	0.32	U	0.03	U	0.03	U	0.03	U
Hexachloroethane	5	0.3	U	0.03	U	0.03	U	0.03	U	1.5	U	0.3	U	0.03	U	0.03	U	0.03	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Table 3 - Semivolatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3R		MW-3R DUP		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK	
LAB ID:		L1531300-03		L1531300-01		L1531300-09		L1531300-05		L1531300-04		L1531300-02		L1531300-06		L1531300-07	
COLLECTION DATE:	NY-AWQS	11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015		11/30/2015	
Semivolatile Organic Compounds Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4-Trichlorobenzene	5	2.1	U	0.21	U	2.1	U	2.1	U	2.1	U	0.21	U	2.1	U	0.21	U
Bis(2-chloroethyl)ether	1	4.1	U	0.41	U	4.1	U	4.1	U	4.1	U	0.41	U	4.1	U	0.41	U
1,2-Dichlorobenzene	3	3	U	0.3	U	3	U	3	U	3	U	0.3	U	3	U	0.3	U
1,3-Dichlorobenzene	3	3.5	U	0.35	U	3.5	U	3.5	U	3.5	U	0.35	U	3.5	U	0.35	U
1,4-Dichlorobenzene	3	3.2	U	0.32	U	3.2	U	3.2	U	3.2	U	0.32	U	3.2	U	0.32	U
3,3'-Dichlorobenzidine	5	4.8	U	0.48	U	4.8	U	4.8	U	4.8	U	0.48	U	4.8	U	0.48	U
2,4-Dinitrotoluene	5	10	U	1	U	10	U	10	U	10	U	1	U	10	U	1	U
2,6-Dinitrotoluene	5	8.9	U	0.89	U	8.9	U	8.9	U	8.9	U	0.89	U	8.9	U	0.89	U
4-Chlorophenyl phenyl ether	--	3.6	U	0.36	U	3.6	U	3.6	U	3.6	U	0.36	U	3.6	U	0.36	U
4-Bromophenyl phenyl ether	--	4.3	U	0.43	U	4.3	U	4.3	U	4.3	U	0.43	U	4.3	U	0.43	U
Bis(2-chloroisopropyl)ether	5	6	U	0.6	U	6	U	6	U	6	U	0.6	U	6	U	0.6	U
Bis(2-chloroethoxy)methane	5	6	U	0.6	U	6	U	6	U	6	U	0.6	U	6	U	0.6	U
Hexachlorocyclopentadiene	5	5.8	U	0.58	U	5.8	U	5.8	U	5.8	U	0.58	U	5.8	U	0.58	U
Isophorone	50	7.9	U	0.79	U	7.9	U	7.9	U	7.9	U	0.79	U	7.9	U	0.79	U
Nitrobenzene	0.4	4	U	0.4	U	4	U	4	U	4	U	0.4	U	4	U	0.4	U
NitrosoDiPhenylAmine(NDPA)/DPA	50	3.4	U	0.34	U	3.4	U	3.4	U	3.4	U	0.34	U	3.4	U	0.34	U
n-Nitrosodi-n-propylamine	--	6.4	U	0.64	U	6.4	U	6.4	U	6.4	U	0.64	U	6.4	U	0.64	U
Bis(2-Ethylhexyl)phthalate	5	9.3	U	0.93	U	9.3	U	9.3	U	9.3	U	0.93	U	9.3	U	0.93	U
Butyl benzyl phthalate	50	11	U	1.1	U	11	U	11	U	11	U	1.1	U	11	U	1.1	U
Di-n-butylphthalate	50	7.7	U	0.77	U	7.7	U	7.7	U	7.7	U	0.77	U	7.7	U	0.77	U
Di-n-octylphthalate	50	12	U	1.2	U	12	U	12	U	12	U	1.2	U	12	U	1.2	U
Diethyl phthalate	50	3.9	U	0.39	U	3.9	U	3.9	U	3.9	U	0.39	U	3.9	U	0.39	U
Dimethyl phthalate	50	3.3	U	0.33	U	3.3	U	3.3	U	3.3	U	0.33	U	3.3	U	0.33	U
Biphenyl	--	48		0.24	U	2.4	U	2.4	U	41		0.24	U	2.4	U	0.24	U
4-Chloroaniline	5	8.4	U	0.84	U	8.4	U	8.4	U	8.4	U	0.84	U	8.4	U	0.84	U
2-Nitroaniline	5	9.6	U	0.96	U	9.6	U	9.6	U	9.6	U	0.96	U	9.6	U	0.96	U
3-Nitroaniline	5	6.7	U	0.67	U	6.7	U	6.7	U	6.7	U	0.67	U	6.7	U	0.67	U
4-Nitroaniline	5	8.3	U	0.83	U	8.3	U	8.3	U	8.3	U	0.83	U	8.3	U	0.83	U
Dibenzofuran	--	170		0.8	J	2.2	U	4.8	J	180		0.22	U	2.8	J	0.22	U
1,2,4,5-Tetrachlorobenzene	5	3.6	U	0.36	U	3.6	U	3.6	U	3.6	U	0.36	U	3.6	U	0.36	U
Acetophenone	--	4.3	U	0.43	U	4.3	U	4.3	U	4.3	U	0.43	U	4.3	U	0.43	U
2,4,6-Trichlorophenol	--	7.8	U	0.78	U	7.8	U	7.8	U	7.8	U	0.78	U	7.8	U	0.78	U
P-Chloro-M-Cresol	--	5.4	U	0.54	U	5.4	U	5.4	U	5.4	U	0.54	U	5.4	U	0.54	U
2-Chlorophenol	--	5.8	U	0.58	U	5.8	U	5.8	U	5.8	U	0.58	U	5.8	U	0.58	U
2,4-Dichlorophenol	1	5.6	U	0.56	U	5.6	U	5.6	U	5.6	U	0.56	U	5.6	U	0.56	U
2,4-Dimethylphenol	50	5.8	U	0.58	U	5.8	U	5.8	U	9.5	J	0.58	U	5.8	U	0.58	U
2-Nitrophenol	--	10	U	1	U	10	U	10	U	10	U	1	U	10	U	1	U
4-Nitrophenol	--	11	U	1.1	U	11	U	11	U	11	U	1.1	U	11	U	1.1	U
2,4-Dinitrophenol	10	14	U	1.4	U	14	U	14	U	14	U	1.4	U	14	U	1.4	U
4,6-Dinitro-o-cresol	--	14	U	1.4	U	14	U	14	U	14	U	1.4	U	14	U	1.4	U
Phenol	1	2.7	U	0.27	U	2.7	U	2.7	U	2.7	U	0.27	U	2.7	U	0.27	U
2-Methylphenol	--	7	U	0.7	U	7	U	7	U	7	U	0.7	U	7	U	0.7	U
3-Methylphenol/4-Methylphenol	--	7.2	U	0.72	U	7.2	U	7.2	U	7.2	U	0.72	U	7.2	U	0.72	U
2,4,5-Trichlorophenol	--	7.5	U	0.75	U	7.5	U	7.5	U	7.5	U	0.75	U	7.5	U	0.75	U
Benzoic Acid	--	10	U	1	U	10	U	10	U	10	U	1	U	10	U	1	U
Benzyl Alcohol	--	6.8	U	0.68	U	6.8	U	6.8	U	6.8	U	0.68	U	6.8	U	0.68	U
Carbazole	--	100		1.5	J	3.7	U	88		150		0.37	U	19	J	0.37	U
Acenaphthene	20	540		4.6		5.5		17		520		0.04	U	8.6		0.04	U
2-Chloronaphthalene	10	8.8	U	0.18	U	0.04	U	0.18	U	8.8	U	0.04	U	0.18	U	0.04	U
Fluoranthene	50	110		15		20		27		120		0.48		46		0.04	U
Hexachlorobutadiene	0.5	9	U	0.18	U	0.04	U	0.18	U	9	U	0.04	U	0.18	U	0.04	U
Naphthalene	10	1300		0.22	U	0.08	J	2.6		1200		0.04	U	1.3		0.04	U
Benzo(a)anthracene	--	39	J	5.6		8.9		7.3		36	J	0.25		22		0.02	U
Benzo(a)pyrene	0	26	J	4.1		7.7		4.8		22	J	0.27		20		0.04	U
Benzo(b)fluoranthene	0.002	48	J	8.1		20		8.6		38	J	0.4		38		0.02	U
Benzo(k)fluoranthene	0.002	20	J	3		6.7		3.2		16	J	0.16	J	12		0.04	U
Chrysene	0.002	46	J	6.2		10		7.8		46	J	0.25		25		0.04	U
Acenaphthylene	--	8.8	U	0.18	U	0.04	U	0.18	U	8.8	U	0.04	U	0.18	U	0.04	U
Anthracene	50	42	J	1.7		1.9		4.5		59		0.05	J	3.9		0.04	U
Benzo(ghi)perylene	--	18	J	2.9		6.5		3		10	U	0.18	J	15		0.04	U
Fluorene	50	120		2		2.6		8.5		130		0.04	U	4.8		0.04	U
Phenanthrene	50	140		4.6		7.1		24		210		0.1	J	13		0.02	U
Dibenzo(a,h)anthracene	--	9.8	U	0.87	J	1.9		1		9.8	U	0.05	J	4.6		0.04	U
Indeno(1,2,3-cd)Pyrene	0.002	16	J	3.1		6.3		3.1		10	U	0.18	J	15		0.04	U
Pyrene	50	83		12		16		20		89		0.53		38		0.04	U
2-Methylnaphthalene	--	200		0.22	U	0.05	U	1.4		230		0.05	U	0.5	J	0.05	U
Pentachlorophenol	1	55	U	1.1	U	0.22	U	1.1	U	55	U	0.22	U	1.1	U	0.22	U
Hexachlorobenzene	0.04	8	U	0.16	U	0.03	U	0.16	U	8	U	0.03	U	0.16	U	0.03	U
Hexachloroethane	5	7.5	U	0.15	U	0.03	U	0.15	U	7.5	U	0.03	U	0.15	U	0.03	U

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Results and MDL values are in micrograms per liter (µg/L)

Table 3 - Semivolatile Organic Compounds in Groundwater
Orangeburg Commons - Orangeburg, NY

SAMPLE ID:		MW-2R2		MW-3R		MW-3R DUP		MW-6R		MW-7R-2		MW-8R		MW-12		MW-13		FIELD BLANK	
LAB ID:		L1606513-08		L1606513-06		L1606513-07		L1606513-02		L1606513-04		L1606513-05		L1606513-03		L1606513-01		L1606513-09	
COLLECTION DATE:	NY-AWQS	3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016		3/8/2016	
Semivolatile Organic Compounds Units: ug/l		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4-Trichlorobenzene	5	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U
Bis(2-chloroethyl)ether	1	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
1,2-Dichlorobenzene	3	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U
1,3-Dichlorobenzene	3	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U
1,4-Dichlorobenzene	3	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
3,3'-Dichlorobenzidine	5	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
2,4-Dinitrotoluene	5	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U
2,6-Dinitrotoluene	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
4-Chlorophenyl phenyl ether	--	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U
4-Bromophenyl phenyl ether	--	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U
Bis(2-chloroisopropyl)ether	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Bis(2-chloroethoxy)methane	5	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
Hexachlorocyclopentadiene	5	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U
Isophorone	50	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Nitrobenzene	0.4	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
NitrosoDiPhenylAmine(NDPA)/DPA	50	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U
n-Nitrosodi-n-propylamine	--	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Bis(2-Ethylhexyl)phthalate	5	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U
Butyl benzyl phthalate	50	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Di-n-butylphthalate	50	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U
Di-n-octylphthalate	50	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Diethyl phthalate	50	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
Dimethyl phthalate	50	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Biphenyl	--	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	19		0.76	U	0.76	U	0.76	U
4-Chloroaniline	5	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
2-Nitroaniline	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
3-Nitroaniline	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
4-Nitroaniline	5	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Dibenzofuran	--	0.66	U	0.84	J	0.86	J	0.66	U	3.1		84		0.66	U	1.6	J	0.66	U
1,2,4,5-Tetrachlorobenzene	5	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
Acetophenone	--	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U
2,4,6-Trichlorophenol	--	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U
P-Chloro-M-Cresol	--	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U
2-Chlorophenol	--	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
2,4-Dichlorophenol	1	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U
2,4-Dimethylphenol	50	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	33		1.6	U	1.6	U	1.6	U
2-Nitrophenol	--	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
4-Nitrophenol	--	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
2,4-Dinitrophenol	10	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
4,6-Dinitro-o-cresol	--	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
Phenol	1	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
2-Methylphenol	--	3.9	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
3-Methylphenol/4-Methylphenol	--	7.4		1.1	U	1.1	U	1.1	U	1.1	U	2.4	J	1.1	U	1.1	U	1.1	U
2,4,5-Trichlorophenol	--	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U
Benzoic Acid	--	18	J	13	U	13	U	13	U	13	U	13	U	13	U	13	U	13	U
Benzyl Alcohol	--	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U
Carbazole	--	68		1.3	J	1.3	J	0.63	U	53		85		0.63	U	0.63	U	0.63	U
Acenaphthene	20	490		4.8		4.9		0.04	U	15		440		0.04	U	5.9		0.04	U
2-Chloronaphthalene	10	3.5	U	0.18	U	0.07	U	0.04	U	0.18	U	3.5	U	0.04	U	0.18	U	0.04	U
Fluoranthene	50	81		17		9.4		0.09	J	16		18	J	0.08	J	18		0.06	J
Hexachlorobutadiene	0.5	3.6	U	0.18	U	0.07	U	0.04	U	0.18	U	3.6	U	0.04	U	0.18	U	0.04	U
Naphthalene	10	1600		1.2		0.21	J	0.04	U	3.5		1200		0.06	J	0.3	J	0.04	U
Benzo(a)anthracene	--	30		7.1		2.4		0.07	J	4.4		1.6	U	0.06	J	7.3		0.06	J
Benzo(a)pyrene	0	23		6.5		2		0.06	J	3.3		3.9	U	0.06	J	7.1		0.06	J
Benzo(b)fluoranthene	0.002	35		9.2		2.6		0.1	J	4.4		1.6	U	0.08	J	9.9		0.06	J
Benzo(k)fluoranthene	0.002	14	J	3.6		1.1		0.04	U	1.8		4.2	U	0.04	U	3.6		0.05	J
Chrysene	0.002	36		7.6		2.4		0.06	J	4.4		3.8	U	0.05	J	7.9		0.05	J
Acenaphthylene	--	3.5	U	0.18	U	0.07	U	0.04	U	0.18	U	3.5	U	0.04	U	0.18	U	0.04	U
Anthracene	50	23		2.2		2		0.06	J	4.5		13	J	0.04	U	3		0.04	J
Benzo(ghi)perylene	--	13	J	3.4		1		0.04	U	1.6		4.2	U	0.04	U	4.2		0.06	J
Fluorene	50	120		2.4		2.4		0.04	U	7.7		110		0.04	U	3.3		0.04	U
Phenanthrene	50	110		4.8		2.8		0.02	U	19		100		0.02	U	4.2		0.05	J
Dibenzo(a,h)anthracene	--	3.9	U	1		0.31	J	0.04	U	0.51	J	ND	U	0.04	U	1.2		0.06	J
Indeno(1,2,3-cd)Pyrene	0.002	15	J	3.8		1		0.04	U	1.8		4	U	0.04	U	4.2		0.06	J
Pyrene	50	58		13		7		0.09	J	12		11	J	0.1	J	14		0.05	J
2-Methylnaphthalene	--	170		0.22	U	0.09	U	0.05	U	1.1		200		0.05	U	0.22	U	0.05	U
Pentachlorophenol	1	22	U	1.1	U	0.44	U	0.22	U	1.1	U	22	U	0.22	U	1.1	U	0.22	U
Hexachlorobenzene	0.04	3.2	U	0.16	U	0.06	U	0.03	U	0.16	U	3.2	U	0.03	U	0.16	U	0.03	U
Hexachloroethane	5	3	U	0.15	U	0.06	U	0.03	U	0.15	U	3	U	0.03	U	0.15	U	0.03	U

Notes:
NY-AWQS = New York State Ambient Water Quality Standard
Cells highlighted in yellow indicate concentrations above the NY-AWQS
Cells shaded in grey indicate MDL values above the NY-AWQS
DUP = designation for duplicate sample
MDL = Maximum Detection Limit
RL = Reporting limit
NA - Not Analyzed
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
-- = No standard
Results and MDL values are in micrograms per liter (µg/L)

Appendix 1
IC/EC Certifications and Checklists

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C344073

Site Name Orangeburg Commons

Site Address: 170 Route 303 Zip Code: 10962
City/Town: Orangeburg
County: Rockland
Site Acreage: 15.8

Reporting Period: February 10, 2015 to February 10, 2016

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C344073 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
74.15-1-21	FB Orangetown LLC c/o RD	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

(1) The controlled property may be used for commercial use as described in 6 NYCRR Part 75-1.8(g)(2)(iii) and industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

(2) All engineering controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All engineering controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Rockland County Department of Health to render it safe for use as drinking water or for industrial purposed, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
74.15-1-21	Vapor Mitigation Cover System
Cover System	
Sub-Slab Depressurization Systems	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C344073

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Richard J. Birdoff (print name) at c/o RD Management LLC 810 Seventh Avenue, 10th Floor; NY, NY 10019 (print business address),

am certifying as Designated Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

6/3/16
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew M. Carroll (print name) at 862 Union Street, 1D; Brooklyn, NY 11215 (print business address),

am certifying as a Qualified Environmental Professional for the FB Orangetown LLC (Owner or Remedial Party)

6/2/16

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Annual Inspection Form

Orangeburg Commons
170 Route 303, Orangeburg, New York 10962

COVER SYSTEM - EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
3. **Walk and inspect all of the unpaved areas of the Site.**

* Are there any signs of significant cracks, settlement or deterioration of the paved areas? No.
* Has any of the pavement material been removed? No.
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? No.
* Have any structures been constructed on the unpaved areas? No.
* Inspect curbing. Any problems identified? No.
* Are the flush-mounted caps/protective casings for all of the monitoring wells secured? Yes.
* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? No.
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? No.
* Comments: No areas observed that need to be repaired.

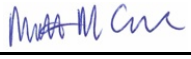
VAPOR BARRIER INSPECTION 1. Walk all of the bottom floors

* Review all cracks or other openings identified in ground floors during previous inspections.
* Conduct smoke test at each identified crack/opening/depression using environmentally safe smoke.
* Draw approximate location of floor cracks/openings that appear to have potential leak through vapor barrier.
* Identify sources of potential impact to smoke test (i.e., HVAC vent nearby).
* Redo smoke test at location of potential vapor barrier leak after sealing off sources of potential impact.

Comments: No observed cracking in ground level slabs.

Repair

Summarize needed/completed repairs to Engineering Controls: None.

Inspector's Signature: 

Appendix 2
Groundwater Sampling Logs

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW3R	Sample ID	MW-2R2

Well Diameter	2 inches	Depth to Water	13.15	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	NR	USGS NGVD 1929 Datum
Headspace PID	10.8 ppm	Elevation	NR	USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	18.88 ft-bg
Final Depth of Tubing	18.88 ft-bg
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1334	11.70	6.31	-34	2.38	0.0	3.31	1.98
1344	13.04	5.91	-35	1.72	354.0	1.28	1.1
1354	13.19	5.84	-35	1.95	148.0	0.95	1.25
1404	13.28	5.81	-38	2.39	130.0	1.08	1.53
1414	13.38	5.80	-40	2.67	124.0	0.84	1.71
1424	13.42	5.80	-41	2.85	130.0	0.81	1.83

Notes: Some viscous product at bottom of well.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW3R	Sample ID	MW3R

Well Diameter	2 inches	Depth to Water	13.58 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	87.34 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	73.76 USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16 ft-bg
Final Depth of Tubing	16 ft-bg
Total Volume Purged	2.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1218	10.41	7.18	-60	1.72	246.0	6.08	1.13
1228	12.20	6.17	-43	3.03	24.0	3.52	1.97
1238	12.49	6.29	-50	3.27	6.7	4.37	3.32
1248	12.58	6.09	-51	6.23	4.0	2.92	3.92

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW-6R	Sample ID	MW-6R

Well Diameter	2 inches	Depth to Water	12.94	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	NR	USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	Elevation	NR	USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0933	11.55	7.06	-118	1.98	51.7	1.33	1.27
0943	10.91	6.82	-112	1.94	13.6	0.72	1.24
0953	10.82	6.83	-116	1.82	8.9	0.65	1.16
1003	10.74	6.83	-116	1.81	7.5	0.56	1.16

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW-7R2	Sample ID	MW-7R2

Well Diameter	2 inches	Depth to Water	13.76 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	89.48 USGS NGVD 1929 Datum
Headspace PID	0.7 ppm	GW Elevation	75.72 USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
itial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	4 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1030	12.39	6.03	-56	2.22	289	2.24	1.42
1040	12.25	6.06	-55	2.62	128	1.17	1.67
1050	12.27	6.07	-57	2.61	95.1	1.13	1.67
1100	12.30	6.30	-58	2.60	76.0	1.19	1.66
1110	12.57	6.08	-60	2.60	56.3	1.07	1.67
1120	12.44	6.06	-60	2.59	51.5	1.06	1.66

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW-8R	Sample ID	MW-8R

Well Diameter	2 inches	Depth to Water	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	83.77 Brooklyn Datum
Headspace PID	0.0 ppm	Elevation	83.59 Brooklyn Datum
Weather	Cloudy, 50 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	15 ft-bg
Final Depth of Tubing	15 ft-bg
Total Volume Purged	gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1229	8.89	6.62	-47	8.41	261.0	3.64	5.37
1240	10.51	6.05	-70	8.22	99.3	0.98	5.12
1250	10.89	6.54	-72	6.64	30.2	0.92	4.17
1300	11.08	6.51	-71	5.95	15.2	2.03	3.72
1311	11.01	6.66	-69	14.43	12.4	0.91	3.42

Notes: No sheen, slight septic odor.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW-12	Sample ID	MW-12

Well Diameter	2 inches	Depth to Water	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	74.47 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	12 ft-bg
Final Depth of Tubing	12 ft-bg
Total Volume Purged	1 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1050	7.85	7.15	-88	1.65	0.0	0.88	1.06
1101	7.91	7.13	-91	1.66	800.0	0.66	1.06
1111	7.81	7.13	-92	1.66	497.0	0.61	1.07
1121	7.82	7.13	-94	1.66	277.0	0.51	1.06

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	4/24/15
Well No.	MW13	Sample ID	MW13

Well Diameter	2 inches	Depth to Water	12.64	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	NR	USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	NR	USGS NGVD 1929 Datum
Weather	Cloudy, 50 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	15 ft-bg
Final Depth of Tubing	15 ft-bg
Total Volume Purged	1.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0900	12.26	6.02	-103	4.58	14.2	8.2	2.93
0910	12.09	6.04	-102	4.60	12.8	7.21	2.94
0920	11.98	6.14	-97	4.50	12.6	4.73	2.87
0930	12.04	6.21	-82	4.45	12.5	3.43	2.87

Notes: Low recovery.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW-2R2	Sample ID	MW-2R2

Well Diameter	2 inches	Depth to Water	16.67	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	NR	USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	Elevation	NR	USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	18.88 ft-bg
Final Depth of Tubing	18.88 ft-bg
Total Volume Purged	3.5 gallons

Time	Temperature	pH	ORP	Conductivity	Turbidity	Dissolved Oxygen	Total Dissolved Solids
	deg-C	SU	mV	mS/cm	NTU	mg/L	ppm
1400	18.54	6.21	-69	1.74	196.0	3.87	1.07
1410	18.49	6.16	-75	1.52	79.8	1.2	0.973
1420	17.45	6.13	-75	2.39	112.0	1.19	1.54
1430	17.75	6.13	-68	2.87	21.8	1.36	1.33
1440	17.70	6.13	-66	3.04	11.0	1.45	1.93
1450	17.68	6.14	-63	3.08	7.1	1.55	1.98
1500	17.62	6.14	-62	3.16	6.2	1.68	1.99

Notes: Product in well; odor and sheen on water.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW3R	Sample ID	MW3R

Well Diameter	2 inches	Depth to Water	13.89 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	87.34 USGS NGVD 1929 Datum
Headspace PID	2.3 ppm	GW Elevation	73.45 USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16 ft-bg
Final Depth of Tubing	16 ft-bg
Total Volume Purged	gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1035	27.10	6.03	85	1.63	112.0	1.82	1.04
1048	26.42	6.15	90	1.59	92.0	0.92	1.03
1055	25.56	6.22	94	1.58	86.1	0.84	1.01
1105	24.68	6.12	86	1.59	62.7	0.58	1.01
1115	24.65	6.03	77	1.6	52.9	0.56	1.02
1125	24.57	5.99	88	1.62	47.8	0.57	1.03

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW-6R	Sample ID	MW-6R

Well Diameter	2 inches	Depth to Water	15.27	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	NR	USGS NGVD 1929 Datum
Headspace PID	3.0 ppm	Elevation	NR	USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	1.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0830	17.39	6.03	-73	3.15	4.7	3.50	2.02
0840	17.35	6.13	-88	3.18	0.5	4.93	2.04
0850	17.34	6.14	-89	3.20	0.2	5.20	2.05
0900	17.41	6.16	-90	3.20	0.0	4.56	2.05
0910	17.39	6.19	-93	3.23	0.0	3.86	2.07
0940	17.40	6.17	-92	3.21	0.0	3.86	2.08

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW-7R2	Sample ID	MW-7R2

Well Diameter	2 inches	Depth to Water	14.53 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	89.48 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	74.95 USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
itial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1050	17.85	6.16	-58	2.87	0	1.69	1.84
1057	16.06	6.14	-66	3.03	318	1.2	1.94
1115	14.74	6.36	-75	3.21	33.3	0.97	2.06
1125	14.75	6.16	-78	3.25	22.9	0.86	2.08
1137	14.61	6.16	-81	3.28	12.9	0.81	2.10
1155	14.54	6.19	-83	3.30	10.1	0.84	2.12
1204	14.62	6.17	-84	3.30	9.7	0.77	2.12

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW-8R	Sample ID	MW-8R

Well Diameter	2 inches	Depth to Water	10.98 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	83.77 Brooklyn Datum
Headspace PID	1.3 ppm	Elevation	72.79 Brooklyn Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	15 ft-bg
Final Depth of Tubing	15 ft-bg
Total Volume Purged	3.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1350	17.55	6.26	-70	6.04	170.0	2.46	3.79
1405	16.59	6.24	-78	5.14	27.4	1.24	3.23
1419	16.67	6.35	-79	4.53	15.9	1.23	2.9
1426	16.71	6.25	-79	4.30	9.7	0.93	2.74
1439	16.92	6.25	-79	4.04	11.1	0.84	2.58
1454	17.01	6.41	-79	3.87	9.9	1.42	2.48
1505	16.84	6.25	-78	3.80	4.8	0.79	2.43

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	8/6/15
Well No.	MW-12	Sample ID	MW-12

Well Diameter	2 inches	Depth to Water	5.68 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	74.47 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	68.79 USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	12 ft-bg
Final Depth of Tubing	12 ft-bg
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0905	16.13	6.58	-54	2.86	0.0	3.77	1.83
0918	15.63	6.54	-69	2.86	0.0	2.07	1.83
0926	16.01	6.55	-76	2.82	1000.0	1.62	1.81
0936	15.72	6.57	-82	2.85	231.0	1.46	1.83
0951	15.74	6.55	-86	2.86	47.4	1.26	1.83
1002	15.69	6.55	-88	2.85	37.0	1.28	1.83
1013	15.74	6.57	-88	2.85	36.3	1.3	1.83
1020	16.04	6.54	-86	2.83	33.3	1.22	1.81

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	11/30/15
Well No.	MW-7R2	Sample ID	MW-7R2

Well Diameter	2 inches	Depth to Water	15.9 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	89.48 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	73.58 USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
itial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	0.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1015	13.03	6.55	-87	3.47	238	5.67	1.80
1025	15.04	6.56	-81	3.53	158	5.05	1.2
1035	15.64	6.55	-78	3.32	154	3.06	1.7

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	11/30/16
Well No.	MW3R	Sample ID	MW3R

Well Diameter	2 inches	Depth to Water	14.35 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	87.34 USGS NGVD 1929 Datum
Headspace PID	2.3 ppm	GW Elevation	72.99 USGS NGVD 1929 Datum
Weather	Clear, 40 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16 ft-bg
Final Depth of Tubing	16 ft-bg
Total Volume Purged	NR gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1229	8.89	6.62	-47	8.41	261.0	3.64	5.37
1240	10.51	6.65	-70	8.22	99.3	0.98	5.12
1250	10.89	6.54	-72	6.64	30.2	0.92	4.17
1300	11.08	6.51	-71	5.95	15.2	2.03	3.72
1311	11.01	6.66	-69	5.43	12.4	0.91	3.42

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	11/30/15
Well No.	MW-8R	Sample ID	MW-8R

Well Diameter	2 inches	Depth to Water	11.55 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	83.77 Brooklyn Datum
Headspace PID	1.3 ppm	Elevation	72.22 Brooklyn Datum
Weather	Clear, 40 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	15 ft-bg
Final Depth of Tubing	15 ft-bg
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1020	18.15	6.42	-77	5.32	400	0.0	3.83
1030	18.18	6.43	-81	4.20	236	0.0	2.67
1040	18.11	6.42	-82	3.59	53	0.0	2.30
1050	18.14	6.42	-83	3.44	5.7	0.0	2.21
1100	18.12	6.43	-85	3.29	0.0	0.0	2.11

Notes: Odor.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	11/30/15
Well No.	MW-12	Sample ID	MW-12

Well Diameter	2 inches	Depth to Water	6.61 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	74.47 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	67.86 USGS NGVD 1929 Datum
Weather	Sunny, 70 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	12 ft-bg
Final Depth of Tubing	12 ft-bg
Total Volume Purged	NR gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1036	2.29	6.15	-44	2.34	0.0	1.67	1.46
1050	7.85	7.15	-88	1.65	0.0	0.88	1.06
1101	7.91	7.13	-91	1.66	800	0.66	1.06
1111	7.81	7.13	-92	1.66	497	0.61	1.07
1121	7.82	7.13	-94	1.66	277	0.57	1.06

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW-2R2	Sample ID	MW-2R2

Well Diameter	2 inches	Depth to Water	16.62	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	90.47	USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	Elevation	73.85	USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	18.88 ft-bg
Final Depth of Tubing	18.88 ft-bg
Total Volume Purged	4 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1305	15.58	6.68	15	1.77	277.0	0.66	1.13
1315	15.57	6.62	12	3.04	800+	0.48	1.96
1330	16.88	6.53	19	3.84	320.0	0.92	2.48
1345	17.32	6.49	21	4.10	105.0	0.5	2.63
1355	17.95	6.47	22	5.54	107.0	53	2.91

Notes: Purged water became very silty at 1315. Stopped momentarily to lift pump.
Odor and NAPL on interface probe, unable to measure thickness

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW3R	Sample ID	MW3R

Well Diameter	2 inches	Depth to Water	13.75 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	87.34 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	73.59 USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16 ft-bg
Final Depth of Tubing	16 ft-bg
Total Volume Purged	4 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1150	14.95	6.49	23	2.37	84.0	2.15	1.51
1200	14.14	6.59	-1	2.56	6.1	1.52	1.64
1210	14.20	6.53	-1	2.76	0.0	1.43	1.77
1220	14.24	6.59	-1	2.77	0.0	1.44	1.77

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW-6R	Sample ID	MW-6R

Well Diameter	2 inches	Depth to Water	14.63	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	92.8	USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	78.17	USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F			

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	8 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
851	17.69	6.1	-58	4.6	479.0	99.90	2.84
901	18.25	6	-67	4.14	42.4	78.8	2.66
911	18.39	6.19	-81	4.08	11.6	78.30	2.61
920	18.53	6.24	-84	4.05	11.2	59.3	2.6
930	18.63	6.26	-84	4.04	8.1	28.4	2.58
940	18.45	6.26	-84	4.09	10.0	33.1	2.61
950	18.59	6.23	-77	4.12	29.2	16.6	2.64
1001	18.64	6.27	-74	4.14	23.1	6.2	2.65

Notes: No odor, no sheen.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW-7R2	Sample ID	MW-7R2

Well Diameter	2 inches	Depth to Water	14.56 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	89.48 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	74.92 USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	16.5 ft-bg
Final Depth of Tubing	16.5 ft-bg
Total Volume Purged	4 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
915	12.33	6.47	21	2.17	308	4.45	1.39
925	12.33	6.52	34	2.29	233	3.88	1.46
935	12.38	6.52	37	2.35	81.5	3.44	1.51
945	12.39	6.49	40	2.35	28.2	3.42	1.51
950	12.38	6.38	47	2.35	3.0	3.51	1.50
955	12.38	6.4	47	2.35	0.0	3.41	1.50

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW-8R	Sample ID	MW-8R

Well Diameter	2 inches	Depth to Water	11.21 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	83.77 Brooklyn Datum
Headspace PID	0.0 ppm	Elevation	72.56 Brooklyn Datum
Weather	Sunny, 60 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	15 ft-bg
Final Depth of Tubing	15 ft-bg
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1035	13.50	6.71	4	5.54	189.0	2.23	3.46
1045	13.31	6.69	10	4.80	60.7	1.91	3.06
1055	13.35	6.67	17	4.22	31.3	2.21	2.69
1105	13.4	6.67	21	3.93	20.5	2.15	2.51
1115	13.51	6.62	26	3.66	10.0	2.17	2.34

Notes: Minimal NAPL on the interface probe, thicknes was not able to be quantified.

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

GROUNDWATER SAMPLING LOG

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW-12	Sample ID	MW-12

Well Diameter	2 inches	Depth to Water	4.55 ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	74.47 USGS NGVD 1929 Datum
Headspace PID	0.0 ppm	GW Elevation	69.92 USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F		

Pump	Bladder
Water Quality Meter	Horiba U52
Initial Depth of Pump Intake	12 ft-bg
Final Depth of Tubing	12 ft-bg
Total Volume Purged	6 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1111	17.92	6.75	-71	2.42	800+	0.00	1.55
1120	15.71	6.64	-82	2.41	724.0	0.00	1.55
1131	15.58	6.53	-71	2.43	261.0	20.30	1.56
1140	15.61	6.5	-72	2.41	161.0	4.50	1.55
1151	15.67	6.55	-77	2.41	181.0	0.00	1.55
1157	15.49	6.58	-79	2.42	113.0	2.2	1.55
1208	15.72	6.63	-83	2.42	73.7	0	1.55
1219	15.76	6.71	-88	2.41	59.3	0	1.54

Notes:

Appendix 2 - Purge Logs
Orangeburg Commons - Orangeburg, NY

Site Name	Orangeburg Commons	Date	3/8/16
Well No.	MW13	Sample ID	MW13

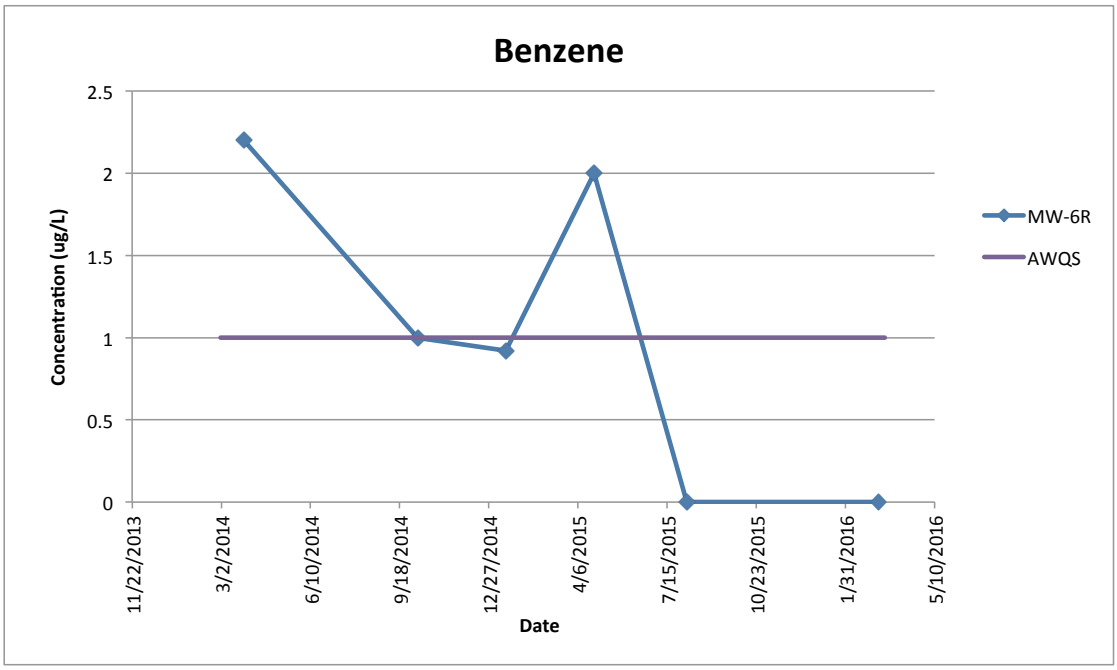
Well Diameter	2 inches	Depth to Water	16.55	ft-bg
Well Screen Interval	10 ft-bg	TOC Elevation	91.44	USGS NGVD 1929 Datum
Headspace PID	2.8 ppm	GW Elevation	74.89	USGS NGVD 1929 Datum
Weather	Sunny, 60 degrees F			

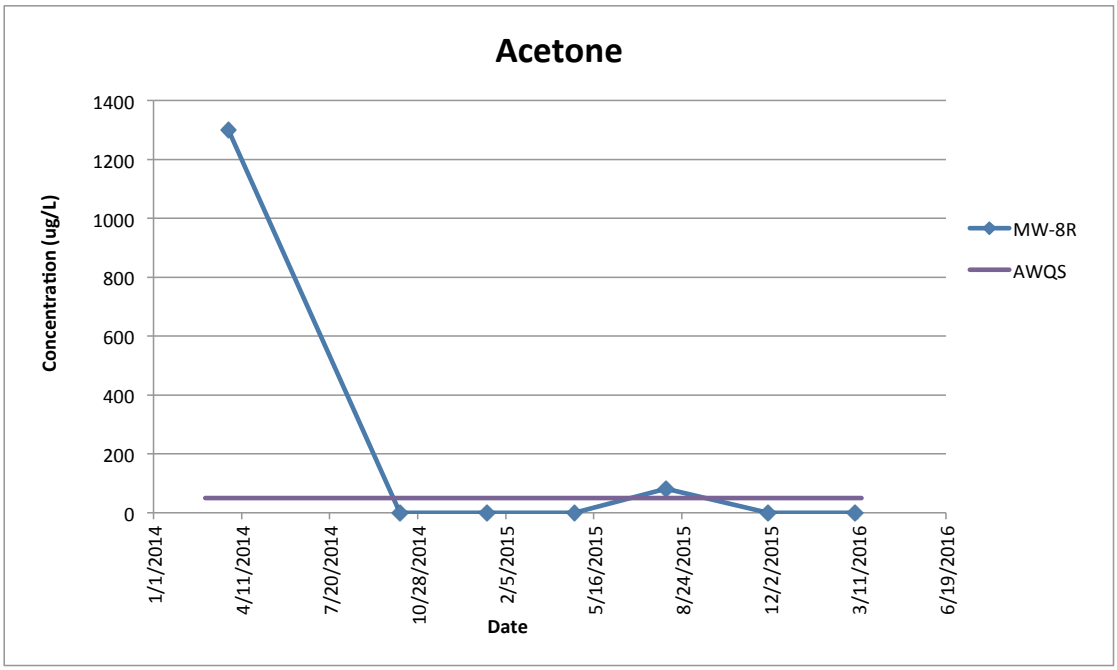
Pump	NA- 2" bailer	
Water Quality Meter	NA	
Initial Depth of Pump Intake	NA	ft-bg
Final Depth of Tubing	NA	ft-bg
Total Volume Purged	Not quantifiabledue to low recovery	

Notes: Low recovery, 2" bailer used to sample

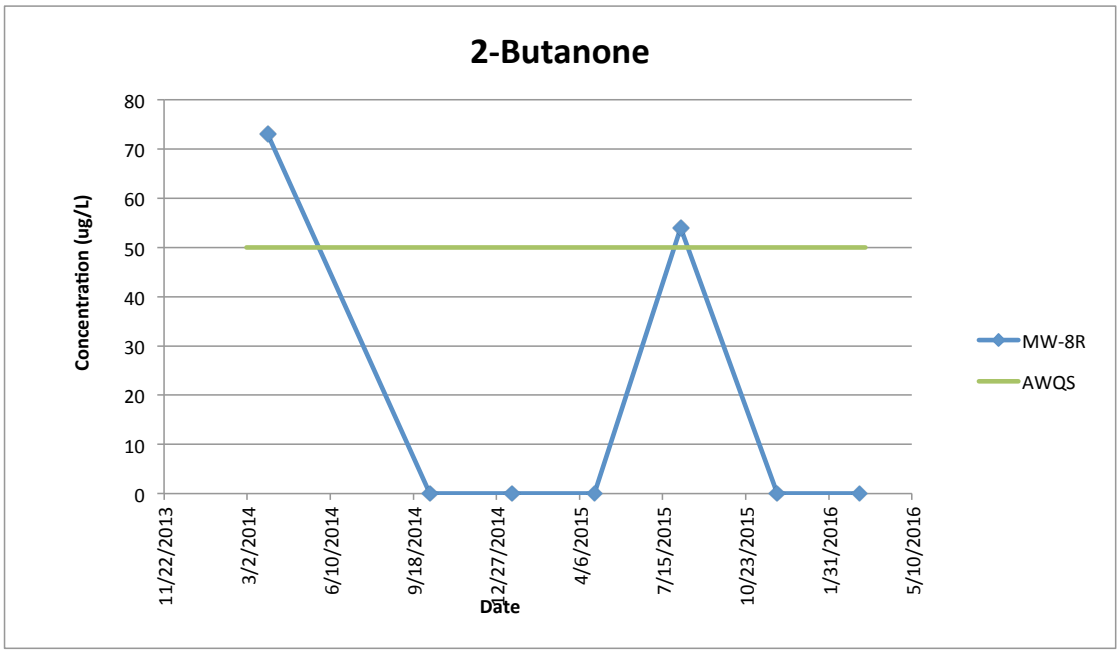
Appendix 3
Groundwater Concentration Trends

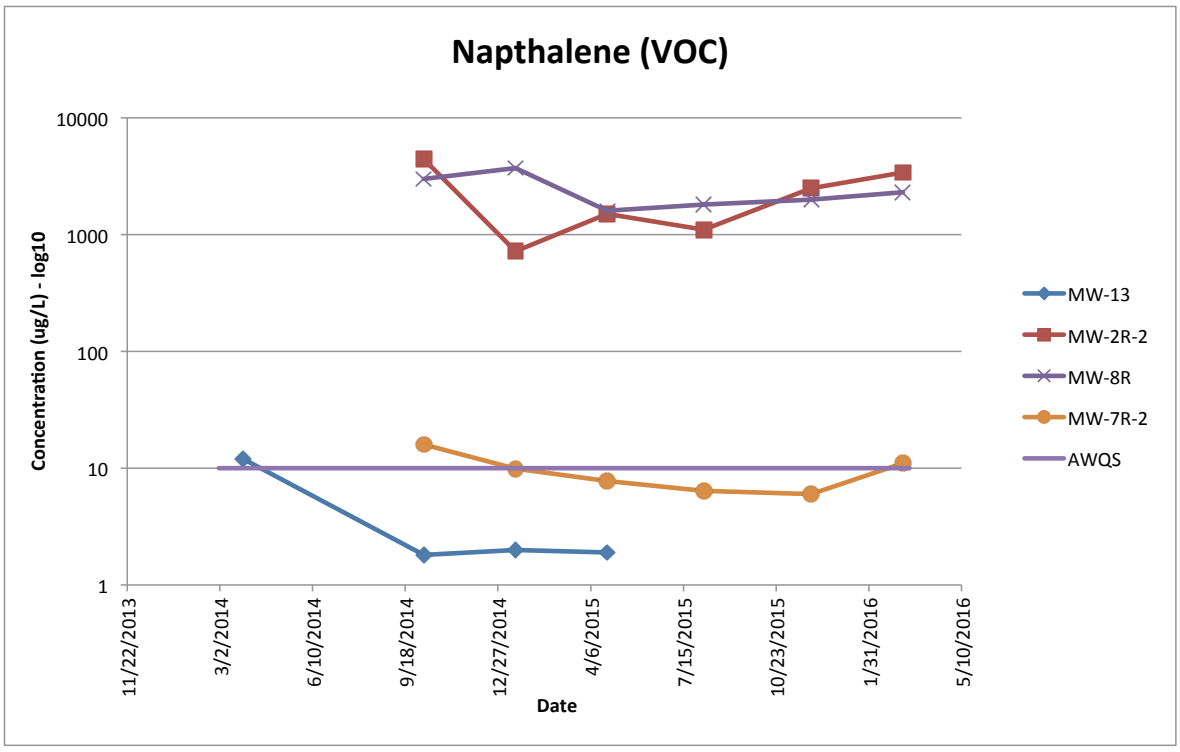
Orangeburg Commons
Appendix 3
Groundwater Concentration Trends



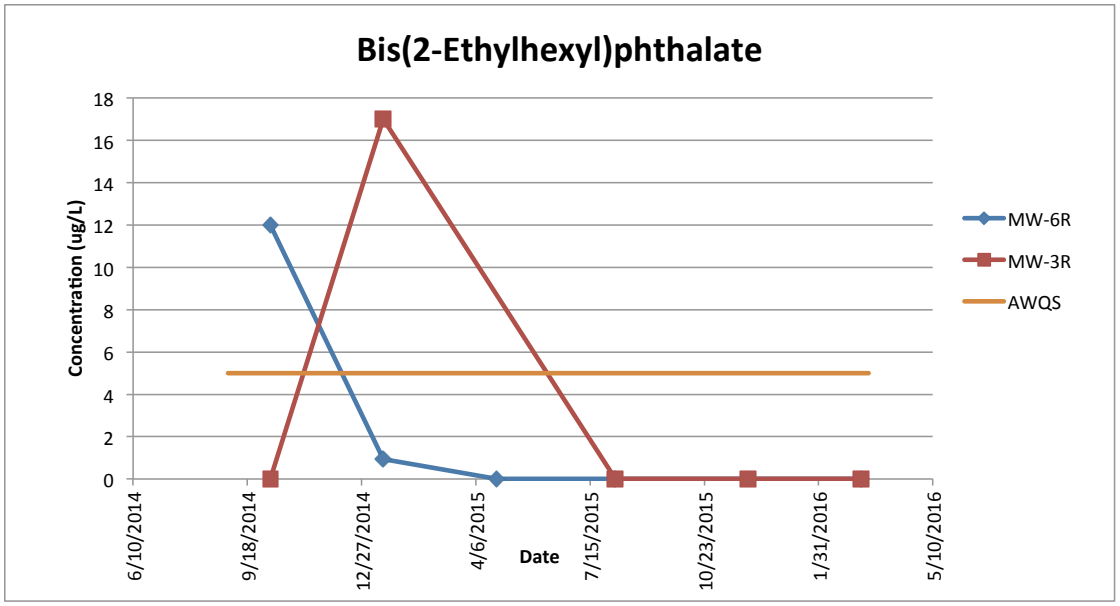


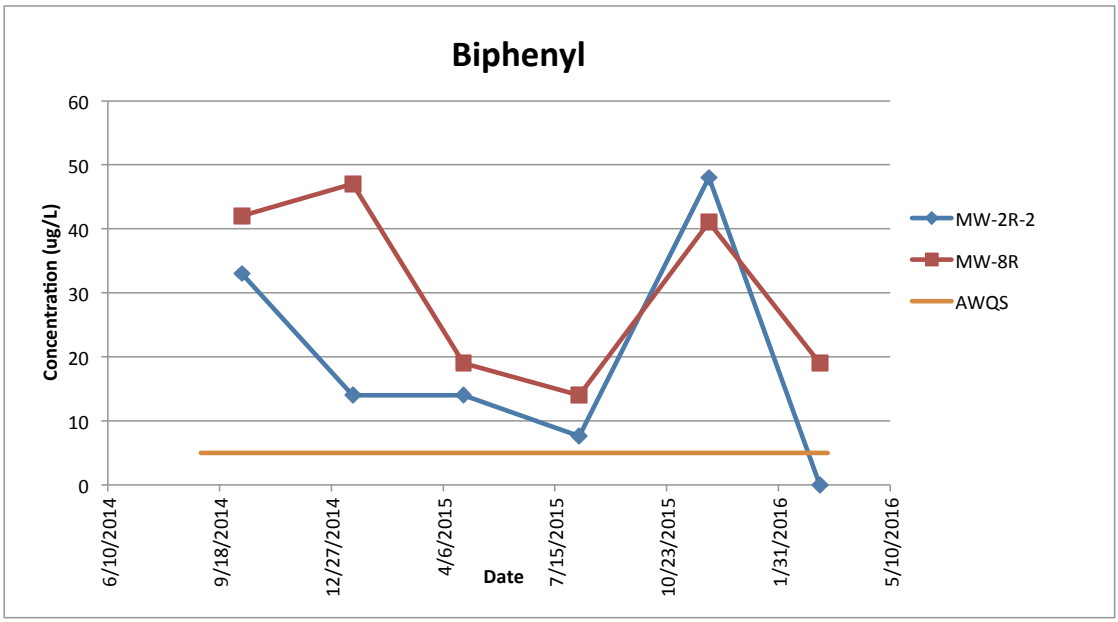
Orangeburg Commons
Appendix 3
Groundwater Concentration Trends



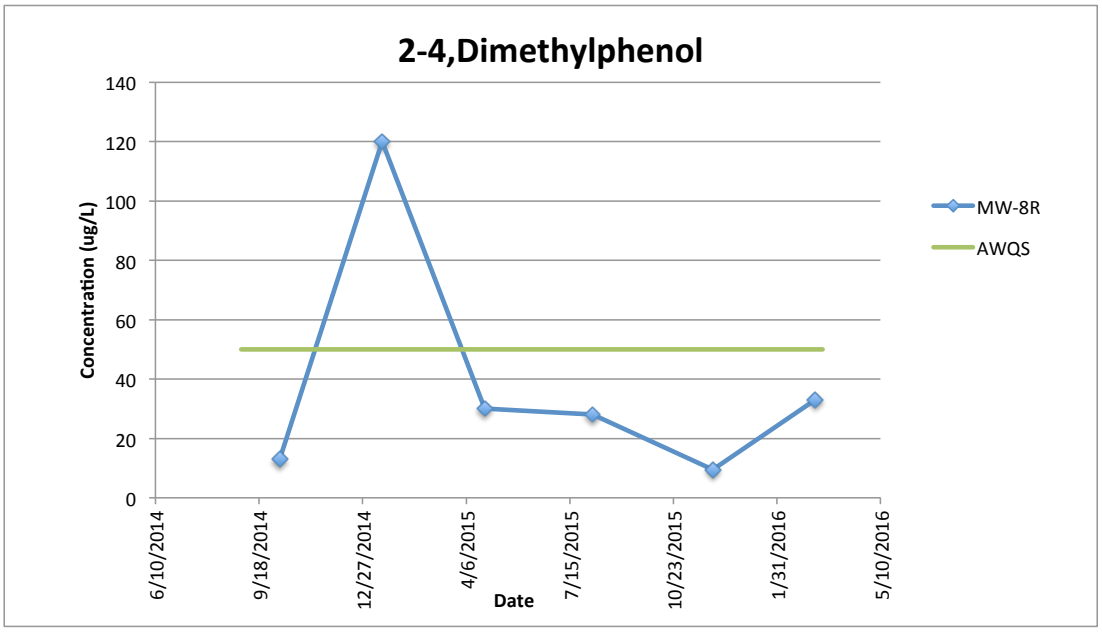


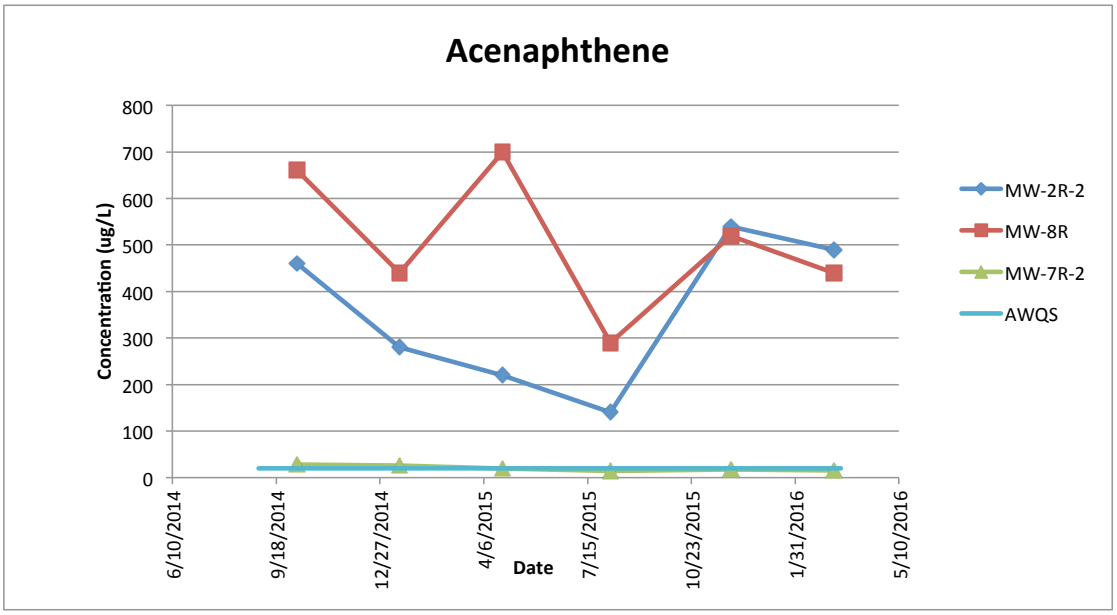
Orangeburg Commons
Appendix 3
Groundwater Concentration Trends





Orangeburg Commons
Appendix 3
Groundwater Concentration Trends





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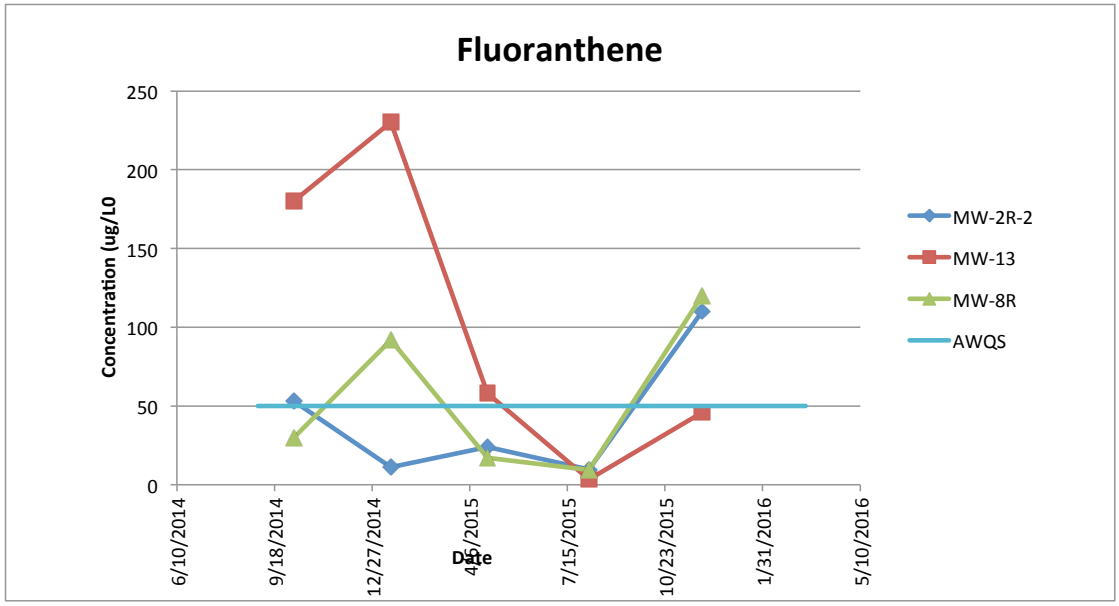
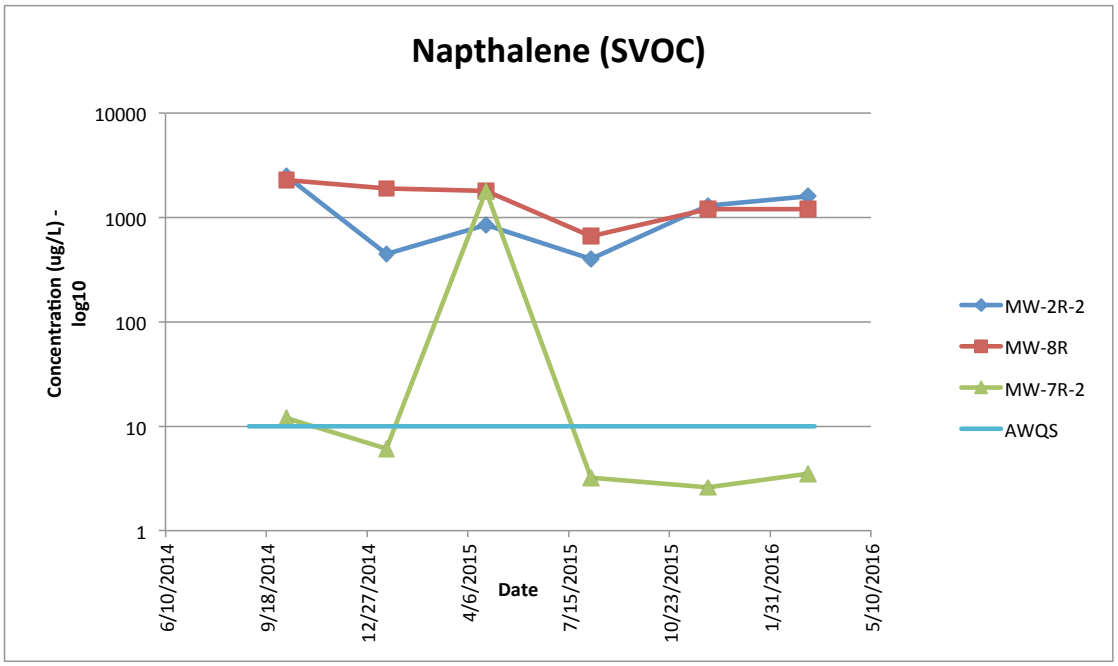
Appendix 3
Groundwater Concentration Trends





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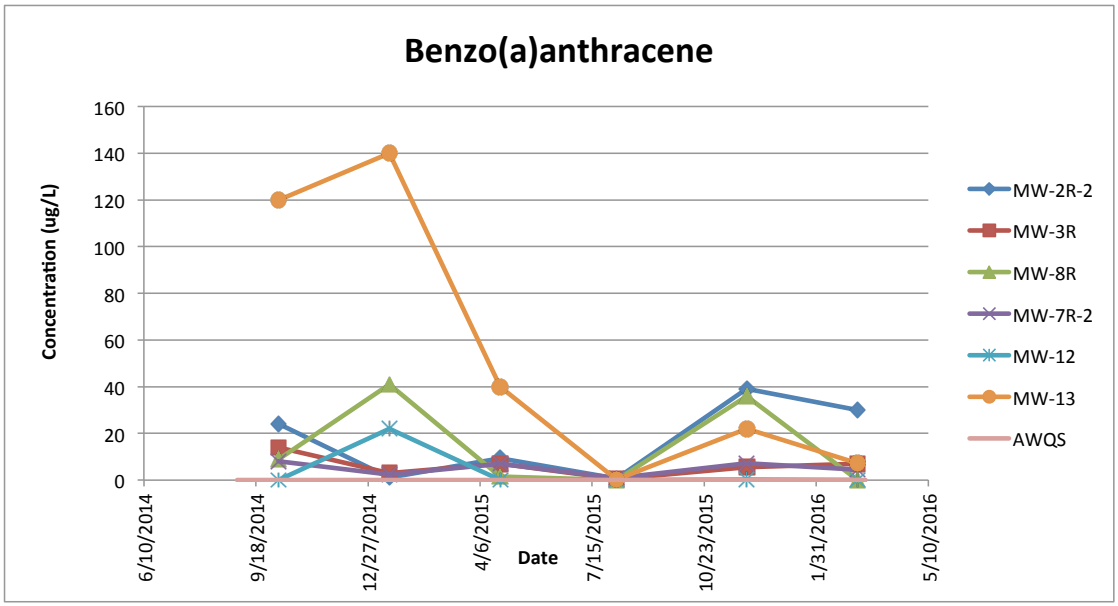
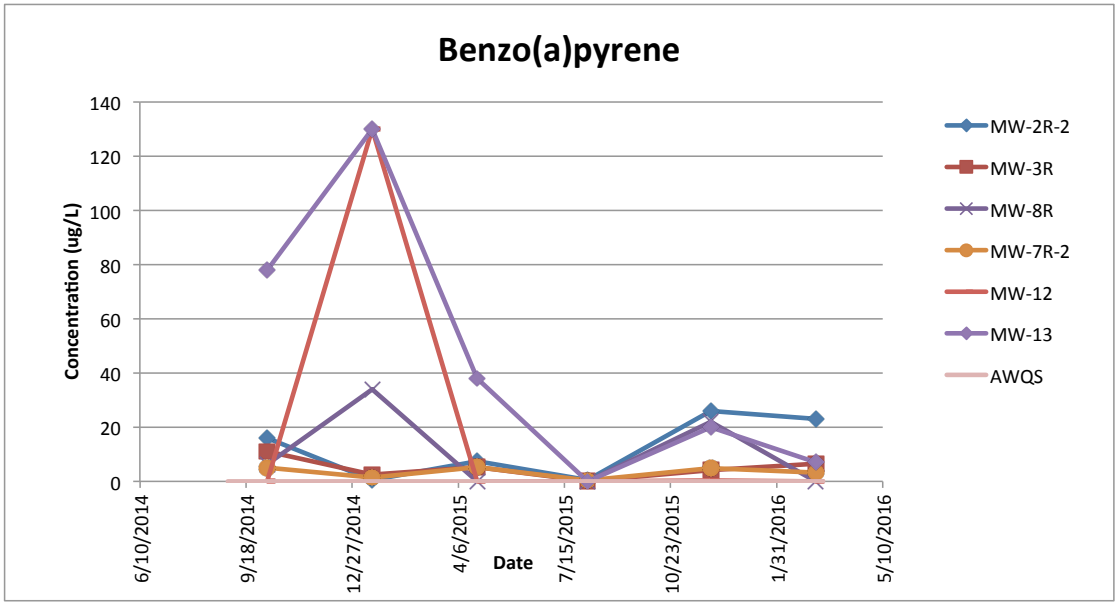
Appendix 3
Groundwater Concentration Trends





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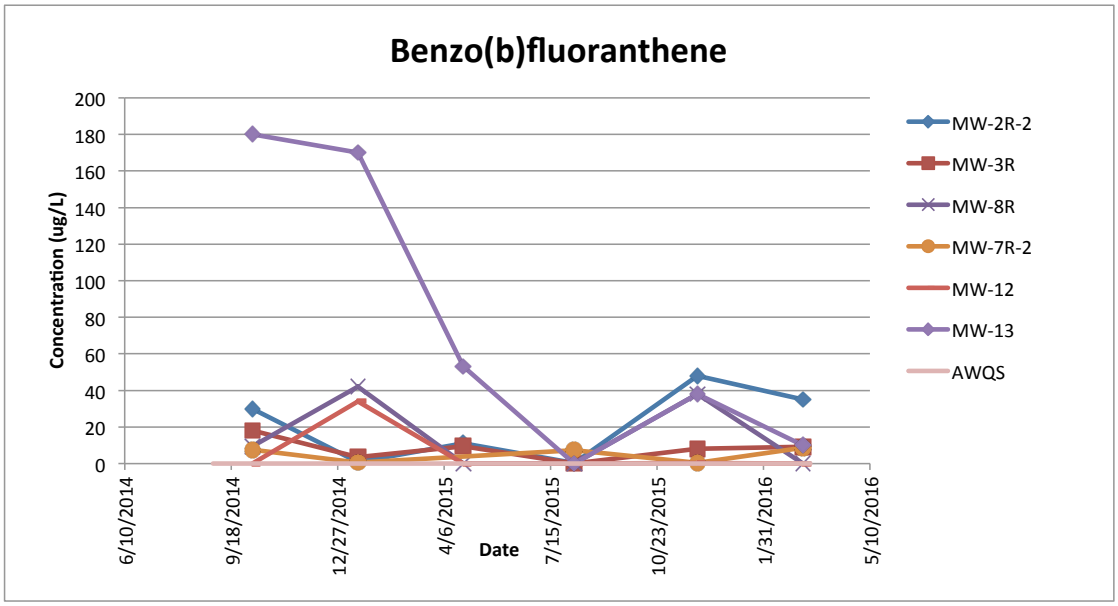
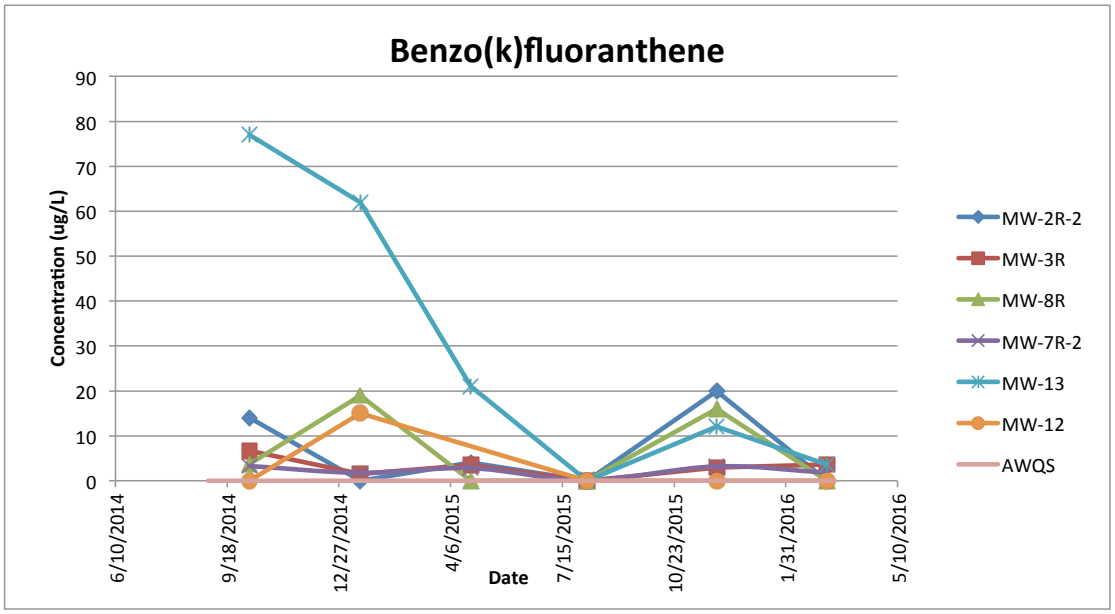
Appendix 3
Groundwater Concentration Trends





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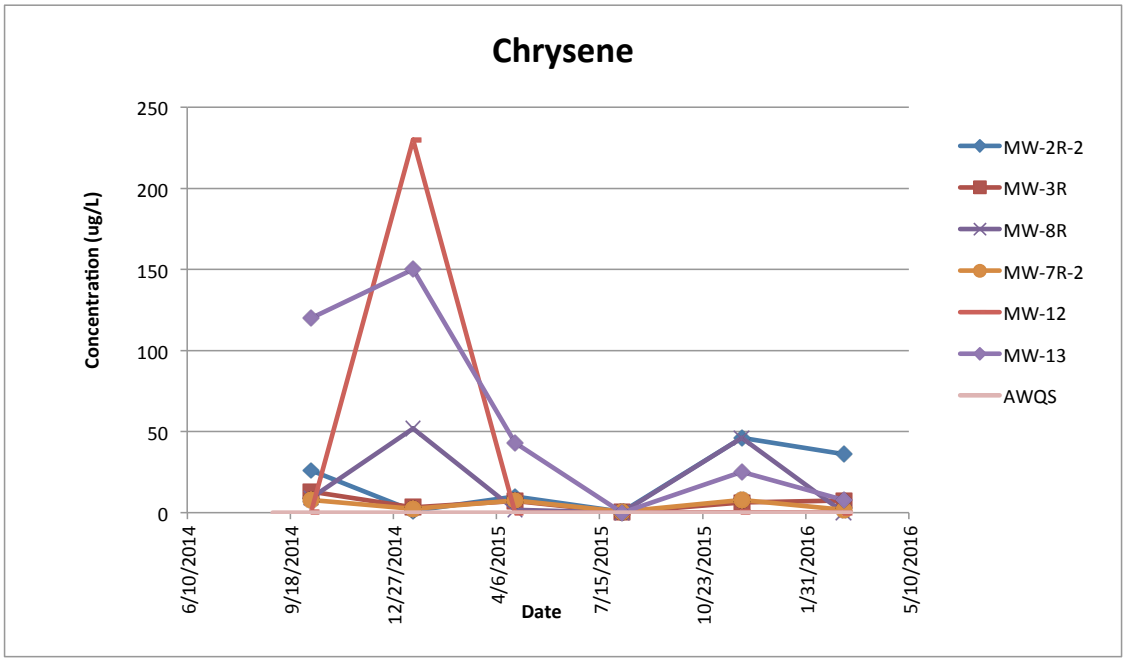
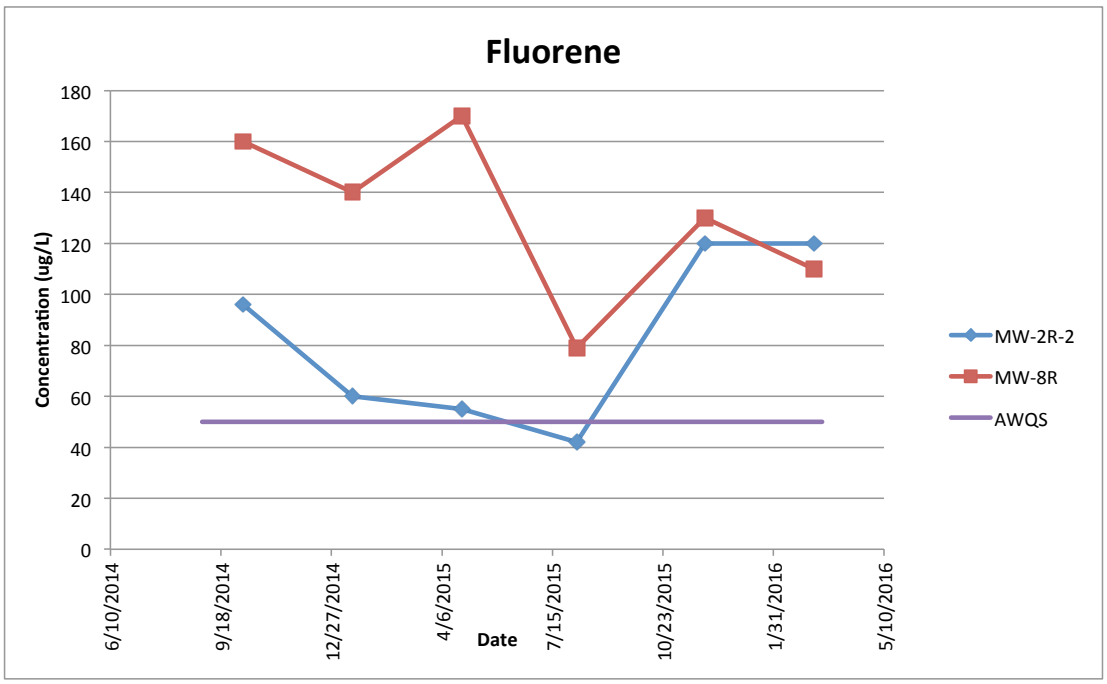
Appendix 3
Groundwater Concentration Trends





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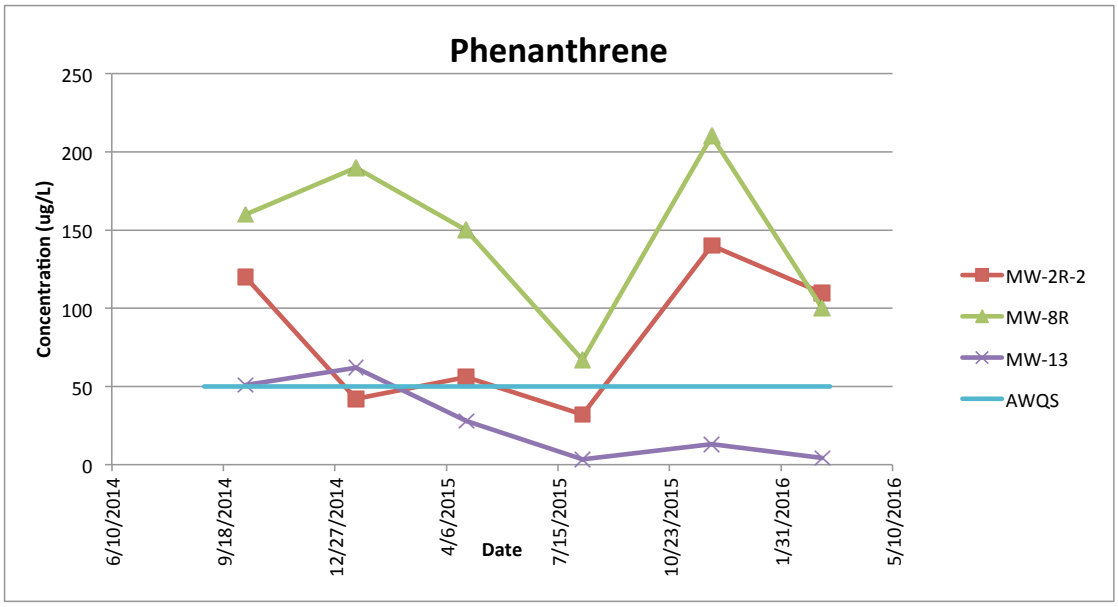
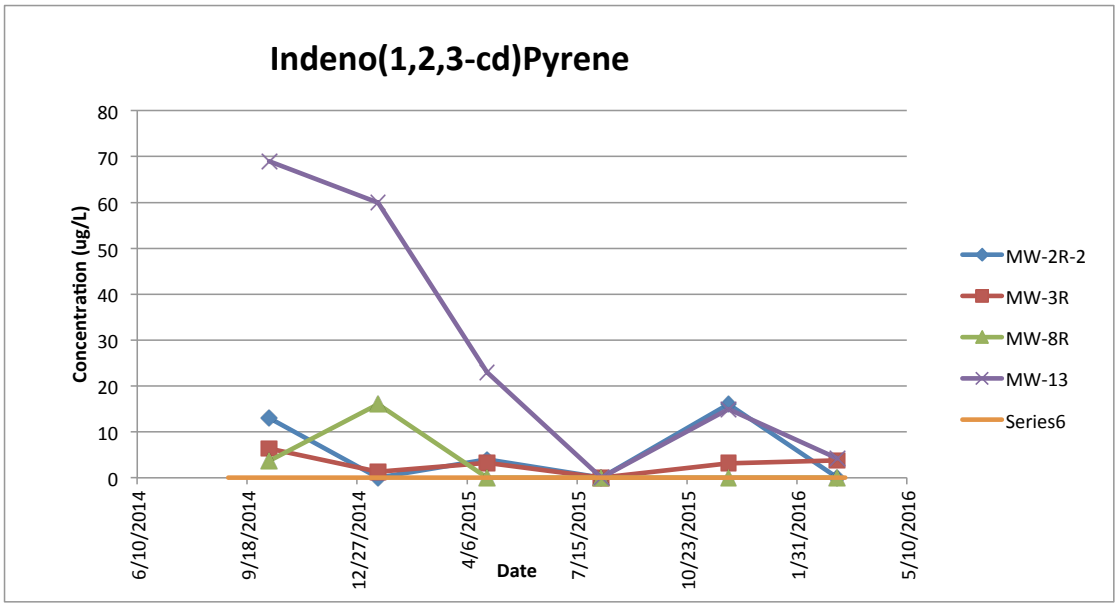
Appendix 3
Groundwater Concentration Trends





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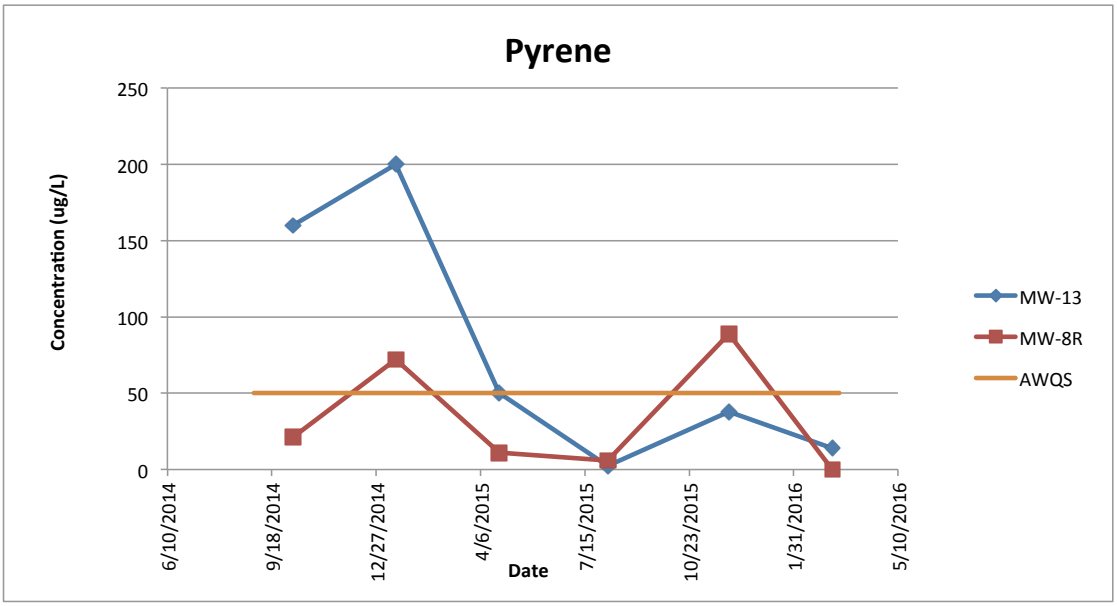
Appendix 3
Groundwater Concentration Trends



Appendix 4
Data Usability Summary Reports (DUSRs)

DATA USABILITY SUMMARY REPORT
Laboratory Data Package L1508353
October 5, 2015

1.0 General Information
Patrick Medland of Geosyntec Consultants, Inc. (Geosyntec) reviewed one laboratory data package from Alpha Analytical (Mansfield, MA) for the analysis of ambient air and soil vapor samples collected April 22, 2015 at the Orangeburg Commons property (Site) located in Rockland County, New York. Samples were collected by Tenen Environmental, New York, New York (Tenen). The data were reviewed for conformance to the requirements of the guidance document NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York and adherence to project objectives outlined in Site Quality Assurance Project Plan[1] (QAPP). This Data Usability Summary Report (DUSR) and associated laboratory package are labeled as laboratory project L1508353. The Sample Analysis Case Narrative (CN) and Sample Delivery Group (SDG) form for this data package are provided as part of this DUSR.

2.0 Intended Use of Data
The intended use of the data reviewed as part of this DUSR is to provide current data on concentrations of chemicals of concern (COCs) in the soil vapor and ambient air at the Site. All samples were analyzed for the full Method TO-15 analyte list and methane using Method TO-3C:

- EPA Method TO-15 - Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air
- EPA Method TO-3C – Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen From Stationary Sources

Additionally, for the ambient air samples, seven analytes from the full Method TO-15 list were analyzed using Method TO-15 SIM (Selective Ion Monitoring) mode.

The data reviewed as part of this DUSR were validated and the results of the review and validation are discussed in this DUSR. The laboratory submittals, documents, and field data that were examined include:

- Reportable data;
- CN and full Cat. B Laboratory Data Report (LDR);
- Sample Chain-of-Custody (C-O-C) forms;
- QAPP; and
- Field notes that record the sample collection information and field sampling results

[1] Orangeburg Commons Site, Rockland County, New York, Quality Assurance Project Plan, NYDEC BCP Site No. C344073. Landmark Consultants Corporation.

The results of supporting quality control (QC) analyses were summarized in the CN and reported in the Laboratory Data Package.

3.0 Introduction
A total of six soil vapor samples and four ambient air samples were analyzed for volatile organic compounds (VOCs). Table 1 lists the sample identifications cross-referenced to laboratory identifications including the date sampled.

4.0 Project Objectives
Among other items, the project objectives were to allow determination of precision, accuracy, and comparability of indoor air and soil vapor data. Results from the previous sampling event were reviewed for this DUSR and are generally comparable; however, Tenen should evaluate the data as this DUSR does not speak to the objective of comparability. Duplicate samples for soil vapor and ambient air were collected, though no QC criteria are stated in the QAPP for soil vapor or ambient air samples. Therefore, Tenen should evaluate duplicate sample results to determine if they meet project objectives for field precision. It should be noted that the soil vapor duplicate samples were collected in succession and therefore should be used to evaluate temporal variability opposed to analysis precision.

5.0 Data Review and Validation Results
The following sections include a summary of sample analytical and validation results.

5.1 Analytical Results
As stated in the CN, some sample exceptions were noted, however no additional qualification is required as shown in Table 2. Of particular note in the CN, the result for acetone should be considered estimated in sample IA-SS "due to co-elution with a non-target peak."

5.2 Preservation and Holding Times
Samples were evaluated for agreement with the C-O-C. The sample documentation in the field notes agrees with the C-O-C. Samples were prepared and analyzed within the 30 day holding time specified in Methods TO-15, TO-15 SIM, and TO-3C.

5.3 Calibrations
According to the LDR, initial calibration (ICV) data for TO-15, TO-15 SIM, and TO-3C methods indicated that all reported compounds had a related standard deviation less than 30%. Additionally, all average response factors were greater than 0.1. The continuing calibration (CCV) data indicated that all reported compounds within a relative area of 70-130%.

5.4 Blanks
Three laboratory method blanks were analyzed in association with the samples; one for each of the three methods (TO-15, TO-15 SIM, and TO-3C). All analytes were non-detect in the method blanks at the reporting limits.

5.5 Internal Standard and Surrogate Recoveries
Internal standard areas were within method acceptance criteria for all data. Surrogate recoveries for soil vapor and ambient air VOC analyses were within the method acceptance criteria.

5.6 Laboratory Control Samples
The laboratory control sample recoveries met the project objectives of 70-130% recovery for TO-15 and TO-15 SIM and 80-120% for TO-3C.

5.7 Laboratory Duplicate
A laboratory duplicate was analyzed and reported for each of the three methods. None of the reported compounds had a relative percent difference (RPD) in excess of the limit of 25%.

5.8 Field Precision
There were two field duplicate samples collected, one for soil vapor and one for ambient air. As stated in Section 4.0, no QC criteria are stated in the QAPP for soil vapor or ambient air samples, therefore Tenen should evaluate duplicate sample results to determine if they meet project objectives for field precision. It should be noted that the soil vapor duplicate samples were collected in succession and therefore should be used to evaluate temporal variability opposed to analysis precision.

5.9 Field Procedures
All samples should have been collected using standard industry practices, though there are instances where the field documentation does not allow for a thorough evaluation of the field procedures. These instances are listed below:

- Purging of the soil vapor sampling ports was not recorded;
- Details of the photoionization detector (PID) used, its detection limits, or method for measuring the VOCs were not provided;
- The floor plan sketch did not include information regarding drains, utility penetrations, HVAC locations, or other pertinent information; and
- No chemical inventory or building usage documentation was provided. However it was noted that an odor was observed in the laundry room.

Tenen noted that the samples were collected in accordance with the QAPP. Therefore none of these observations requires qualification.

The soil vapor duplicate was collected after the original sample was collected instead of using the standard industry practice of collecting both samples at the same time. Tenen should evaluate this practice to determine if the duplicate sample collection method meets project objectives.

The soil vapor samples were collected over approximately two hours in 2.75 liter Summa^{TM} canisters. The ambient air samples were collected in six liter Summa^{TM} canisters over the period of approximately eight hours in which each of the soil vapor samples was collected.

5.10 Data Review and Validation Summary
The results of this DUSR indicate that the analytical data reported under Alpha Analytical laboratory project L1508353 are usable for determining approximate concentrations of VOCs in soil vapor and ambient air at the Site.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Sample Date	Laboratory Identification	Matrix	Analyses
IA-R1	4/22/2015	L1508353-01	Air	EPA Methods TO-15, TO-15 SIM, & 3C
IA-R1-2	4/22/2015	L1508353-02	Air	EPA Methods TO-15, TO-15 SIM, & 3C
AA1	4/22/2015	L1508353-03	Air	EPA Methods TO-15, TO-15 SIM, & 3C
IA-SS	4/22/2015	L1508353-04	Air	EPA Methods TO-15, TO-15 SIM, & 3C
SV-R1-2	4/22/2015	L1508353-05	Air	EPA Methods TO-15 & 3C
SV-R1-1	4/22/2015	L1508353-06	Air	EPA Methods TO-15 & 3C
SV-SS-1	4/22/2015	L1508353-07	Air	EPA Methods TO-15 & 3C
SV-SS-2	4/22/2015	L1508353-08	Air	EPA Methods TO-15 & 3C
SV-SS-3	4/22/2015	L1508353-09	Air	EPA Methods TO-15 & 3C
SV-R1-1 DUP	4/22/2015	L1508353-10	Air	EPA Methods TO-15 & 3C

Table 2. Qualified Analytical Data

Field ID/Lab ID	Analyte	Qualification	Reason for Qualification
None			

DATA USABILITY SUMMARY REPORT
Laboratory Data Package L1518686
October 26, 2015

1.0 General Information

Patrick Medland of Geosyntec Consultants, Inc. reviewed one laboratory data package from Alpha Analytical (Westborough, MA) for the analysis of water samples collected August 6, 2015 at the Orangeburg Commons property (Site) located in Rockland County, New York. Samples were collected by Tenen Environmental, New York, New York (Tenen). The data were reviewed for conformance to the requirements of the guidance document EPA National Functional Guidelines for Data Review (EPA NFG) for organic compounds and adherence to project objectives outlined in the Site Quality Assurance Project Plan[1] (QAPP).

This Data Usability Summary Report (DUSR) and associated laboratory package is labeled as laboratory project L1518686 issued August 17, 2015. The sample analysis Case Narrative (CN) and Sample Delivery Group Form (SGDF) for this data package are provided as part of this DUSR. The sample chain-of-custody (c-o-c) forms for the samples are provided near the front of the full Cat. B Laboratory Data Report (LDR).

2.0 Intended Use of Data

The intended use of the data reviewed as part of this DUSR is to provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the affected Site. Aqueous samples were analyzed for:

- EPA Method 8260C – Volatile Organic Compounds (VOCs) by GC/MS;
- EPA Method 8270D – Semi-volatile Organic Compounds (SVOCs) by GC/MS;
- EPA Method 8270D-SIM – Semi-volatile Organic Compounds (SVOCs) by GC/MS.

One aqueous trip blank sample was submitted for quality control (QC) purposes to check for contamination due to sample handling, storage, and shipping procedures. This sample was analyzed for VOCs. One aqueous field blank sample was submitted for QC purposes to check for contamination due to sampling and decontamination procedures. This sample was analyzed for VOCs and SVOCs.

The data reviewed as part of this DUSR were validated as described in the EPA NFGs and the results of the review and validation are discussed in this DUSR. The laboratory submittals, documents, and field data that were examined include:

- Reportable data;
- CN and full Cat. B LDR;
- Sample c-o-c forms;
- Site QAPP; and
- Field Notes.

The results of supporting QC analyses were summarized in the CN and reported (for each method/analysis) in the LDR.

[1] Orangeburg Commons Site, Rockland County, New York, Quality Assurance Project Plan, NYDEC BCP Site No. C344073. Landmark Consultants Corporation.

3.0 Introduction

A total of seven (7) aqueous samples were analyzed for VOCs and SVOCs as listed in Section 2.0. Two (2) aqueous blanks were analyzed; one for VOCs and SVOCs and one for VOCs only. Table 1 lists the sample identifications cross-referenced to laboratory identifications including the date sampled.

4.0 Project Objectives

The project objectives were to allow determination of precision, accuracy, completeness, representativeness, regulatory compatibility, and comparability of data. Per the project QAPP, one field blank is required per sampling event. One duplicate sample is required per sampling event. One trip blank is required with each sample delivery group (SDG) of VOC samples. Additionally, one site-specific matrix spike/matrix spike duplicate (MS/MSD) is required per sampling event.

Analytical data objectives were not specified in the QAPP; therefore, laboratory and NFG specific criteria were used and are presented in the following sections.

5.0 Data Review and Validation Results

The following sections include a summary of sample analytical and validation results.

5.1 Analytical Results

As stated in the CN, some sample exceptions were noted, and qualified analytical data are listed in Table 2. As summarized in the CNs, none of the laboratory exceptions appear to have a practical impact on the usability of the data for the COCs at the Site except for 2,2-dichloropropane in sample MW-8R which is rejected as detailed in Section 5.8. All other laboratory results were accepted, and non-detected (ND) results are reported as less than the value of the reporting limit (RL)/method detection limit (MDL).

5.2 Field Documentation, Preservation and Holding Times

Samples were evaluated for agreement with the c-o-c and all laboratory sample log-ins were consistent with the c-o-c with one exception noted below. Sample IDs and sample date/times were compared between the c-o-c and daily field notes and field notes were checked for completeness. As noted in the SGDF and CN, all samples were received in the appropriate containers and in good condition. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field and prepared and analyzed within holding times specified in the QAPP and SW-846 Table 2-36. There were discrepancies and omissions that are not likely to affect the analytical results but should be noted:

- Sample TRIP BLANK is not listed on the c-o-c. As stated in the CN, "A Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed";
- The field notes either omitted information required by or showed deviations from the QAPP including:
    - Weather at the site was not recorded;
    - Sample flow rates and depths intervals were not documented;
    - The types and number of sample containers and preservatives used were not documented in the field logbook;
    - The QAPP states that sampling information for each sampling location will be recorded on a data sheet though this documentation was not provided;
    - No calibration information for the equipment used to measure groundwater field parameters or headspace was provided.

5.3 Calibrations

Initial (ICV) and continuing calibrations (CCV) were performed using required standard concentrations and at required frequencies. ICV and CCV data met EPA SW-846 and Standard Method requirements for all analyses except for the following compounds that are also listed in Table 2.

- The percent differences (%D) in the VOC CCV associated with sample MW-8R for compounds trichlorofluoromethane, chloroethane, dichlorodifluoromethane, hexachlorobutadiene, and 1,4-dioxane exceeded the maximum limit. All were not detected, and are qualified "UJ";
- The %D in the VOC CCV associated with the samples MW-2R2 and DUPLICATE for compounds 1,1-dichloropropene, chloromethane, bromomethane, vinyl chloride, dichlorodifluoromethane, carbon disulfide, vinyl acetate, 4-methyl-2-pentanone, 2-hexanone, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and trans-1,4-dichloro-2-butene exceeded the maximum limit. All were not detected and qualified "UJ";
- The %D in the VOC CCV associated with samples TRIP BLANK, FIELD BLANK, MW-12, MW-7R2, MW-3, MW-13, and MW-6R for compounds chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene exceeded the maximum limit. All were not detected and qualified "UJ";
- The %D in the VOC CCV associated with samples TRIP BLANK, FIELD BLANK, MW-12, MW-7R2, MW-3, MW-13, MW-6R, MW-2R2, and DUPLICATE for naphthalene exceeded the maximum limit. MW-13, MW-7R2, MW-2R2, and DUPLICATE had detections and are qualified "J". TRIP BLANK, FIELD BLANK, MW-12, MW-6R, and MW-3 were not detected and qualified "UJ".

5.4 Blanks

Trip Blank and Field Blank QAPP requirements are listed above in Section 4.0.

5.4.1 Field and Trip Blank Samples

One trip blank sample (TRIP BLANK) was submitted with this SDG on 8/6/15, for VOC. All compounds were reported below the MDL.

One aqueous field blank sample (FIELD BLANK) was collected on 8/6/15 per the QAPP requirement and submitted for VOC and SVOC analysis. One compound, acetone, was reported above the RL in the field blank and the following data quality exceptions are noted:

- One sample, MW-13, had a detection of acetone above the MDL but below the RL and blank result. This value should be qualified as undetected ("U") and reported at the RL of 5.0 µg/L;
- Three samples, MW-2R2, MW-8R and DUPLICATE had acetone detections above the MDL but below the RL. However, due to dilution, the RLs are elevated and the results are all well above 2 times the blank result. These data should be considered estimated ("J" qualified) based on professional judgment;
- Acetone was not detected in any other samples.

A second compound, acetophenone, was detected above the MDL but below the RL in the field blank. It was not detected in any samples, therefore no qualification is necessary.

5.4.2 Laboratory Blank Samples

All method blank (MB) results were reported below the MDL except dimethyl phthalate which was reported above the MDL but below the RL. One sample, MW-3, had a detection of dimethyl phthalate above the MDL but below the RL. This value should be qualified as undetected ("U") and reported at the RL of 5.0 µg/L.

5.5 Internal Standard and Surrogate Recoveries

Internal standard areas and retention times met acceptance criteria for all analyses. Surrogates were added to all samples and blanks as required by method SW-846. The surrogate recovery of 2,4,6-tribromophenol for sample DUPLICATE was above laboratory QC limits for SVOC SIM analysis, however all other surrogates were within limits, so no qualification is necessary. All six surrogates for MW-8R had 0% recovery in SVOC SIM analysis. As the lab states in the CN, this is "due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported." Based on professional judgment, no qualification is necessary because surrogate concentrations were diluted out. However, this issue should be noted in the data transmittal.

5.6 Laboratory Control Samples

The laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries met the project objectives of 70-130% (VOCs) or 40-140% (SVOCs) recovery (or lab equivalent) with the following exceptions:

- 2-hexanone and naphthalene had LCS recoveries below and 2-hexanone had a relative percent difference (RPD) above the acceptance limit for the LCS/LCSD associated with MW-2R2 and DUPLICATE. 2-hexanone was not detected in either sample and should be qualified "UJ". Naphthalene was detected in both samples and should be qualified "J";
- 1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene had LCS and LCSD recoveries below the acceptance limits for samples TRIP BLANK, FIELD BLANK, MW-12, MW-7R2, MW-3, MW-13, and MW-6R. These analytes were not detected in the samples and should be qualified "UJ";
- 1,2,3-trichlorobenzene had a LCS recovery below acceptance criteria for sample MW-8R. This analyte was not detected in the sample. 1,2,3-trichlorobenzene should be qualified "UJ";
- Trans-1,4-dichloro-2-butene had a LCSD recovery above the acceptance limit for sample MW-8R. However it was not detected in the sample and therefore does not require qualification;
- 2,4-Dinitrotoluene and P-chloro-M-cresol had LCS and LCSD recoveries above acceptance limits, however since these analytes were not detected in the samples, no qualification is required;
- Bis(2-ethylhexyl)phthalate had a RPD outside of the acceptance limits. It was only detected in sample DUPLICATE, and this result should be flagged "J". No other qualification is required.

5.7 Laboratory Duplicate

No laboratory duplicate was performed.

5.8 Matrix Spike/Matrix Spike Duplicates

An MS/MSD was performed on sample MW-8R. The MS/MSD recoveries met the project objectives of 70-130% (VOCs) or 40-140% (SVOCs) recovery (or lab equivalent) with the following exceptions:

- 1,2,3-trichloropropane, 1,4-dioxane, and 1,1,2,2-tetrachloroethane had MS and/or MSD recoveries exceeding laboratory QC limits. They were not detected in the associated sample, so no qualification is required;
- Trans-1,3-dichloropropene and cis-1,3-dichloropropene had RPDs exceeding laboratory QC limits. They were not detected in the associated sample, so no qualification is required;
- Naphthalene had a MS recovery below acceptance limits. However, due to the relatively large concentration in the sample, no qualification is required per professional judgement;

- Chloromethane, hexachlorobutadiene, and trans-1,4-dichloro-2-butene had MS and/or MSD recoveries below acceptance criteria. These analytes were not detected and should be qualified "UJ";
- Acetone had a MSD recovery and RPD exceeding acceptance limits. It was detected and should be qualified "J";
- 2,2-Dichloropropane had 8 %R for the MSD. This falls below a 10 %R threshold, therefore this datum should be qualified "R" and rejected in sample MW-8R;
- 2,4-Dimethylphenol and carbazole had a MSD recovery exceeding acceptance limits. They were detected and should be qualified "J";
- 3-Nitroaniline had a RPD exceeding acceptance limits. It was not detected and does not require qualification;
- 3,3'-Dichlorobenzidine had MS and MSD recoveries below acceptance criteria. This analyte was not detected and should be qualified "UJ".

5.9 Field Procedures

Field documentation was assessed to determine if samples were collected using standard industry practices, as detailed in the Site QAPP. Some samples (MW-3, MW-6R, MW-2R2, and MW-8R) appear to have been collected prior to the stabilization of one or more of the indicator parameters. Issues with sample collection and field documents (outlined in Section 5.2) should be evaluated by Tenen to determine any impact to the data quality. Field QC sampling requirements were met.

5.10 Data Review and Validation Summary

The results of this DUSR indicate that the analytical data collected in L1518686 are usable for determining concentrations of the COCs in groundwater at the Site with the noted exception of 2,2-dichloropropane at well MW-8R as this result should be rejected. The concentrations of compounds listed on Table 2 should be considered not detected with an approximated reporting limit ("UJ" qualified), not detected ("U" qualified) or estimated ("J" qualified).

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Report Submission

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

Case Narrative (continued)

MDL column.

Sample Receipt

A Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed.

Volatile Organics

L1518686-05: The Field Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG812256-5 MSD recovery, performed on L1518686-06, is below the acceptance criteria for 2,2-dichloropropane (8%); however, the associated LCS/LCSD recoveries are within overall method allowances.

Semivolatile Organics by SIM

A Matrix Spike/Matrix Spike Duplicate was not performed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

L1518686-06: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature: Kelly Stenstrom Report Date: 08/17/15

Title: Technical Director/Representative

Sample Delivery Group Form

Laboratory Job number: L1518686
Project Manager: Karyn Raymond **Review Date:** 08/07/2015
Project Number:
Project Name: ORANGEBURG COMMONS **Received:** 08/06/2015 14:35
Client Account: Tenen Environmental, LLC **Received by:** LT/GP

Samples Delivered by: COURIER **Call Tracker #**
Bill Of Laden N/A **Trackingnum**
Coc Present Present

Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? Yes
Trip Blank not listed on the COC

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt 7 **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? No
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	3.6 - IR Gun	No	No

B	Absent	Yes	No	2.8 - IR Gun	No	No
C	Absent	Yes	No	3.2 - IR Gun	No	No

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Sample Date	Laboratory Identification	Matrix	Analysis
MW-13	8/6/2015	L1518686-01	AQUEOUS	SW-846 8260C and 8270D
MW-6R	8/6/2015	L1518686-02	AQUEOUS	SW-846 8260C and 8270D
MW-3	8/6/2015	L1518686-03	AQUEOUS	SW-846 8260C and 8270D
MW-2R2	8/6/2015	L1518686-04	AQUEOUS	SW-846 8260C and 8270D
FIELD BLANK	8/6/2015	L1518686-05	AQUEOUS	SW-846 8260C and 8270D
MW-8R	8/6/2015	L1518686-06	AQUEOUS	SW-846 8260C and 8270D
DUPLICATE	8/6/2015	L1518686-07	AQUEOUS	SW-846 8260C and 8270D
MW-12	8/6/2015	L1518686-08	AQUEOUS	SW-846 8260C and 8270D
MW-7R2	8/6/2015	L1518686-09	AQUEOUS	SW-846 8260C and 8270D
TRIP BLANK	8/6/2015	L1518686-10	AQUEOUS	SW-846 8260C

Table 2. Qualified Analytical Data

Field ID/Lab ID	Analyte	Qualification	Reason for Qualification
MW-13 / L1518686-01	Acetone	5.0 U	Detection in the field blank
MW-13 / L1518686-01	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-13 / L1518686-01	Naphthalene	J	%D exceeded the maximum limit in the CCV
MW-6R / L1518686-02	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene, naphthalene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-3 / L1518686-03	Dimethyl phthalate	5.0 U	Detection in the laboratory blank
MW-3 / L1518686-03	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene, naphthalene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-2R2 / L1518686-04	Acetone	J	Detection in the field blank
MW-2R2 / L1518686-04	1,1-Dichloropropene, chloromethane, bromomethane, vinyl chloride, dichlorodifluoromethane, carbon disulfide, vinyl acetate, 4-methyl-2-pentanone, 2-hexanone, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and trans-1,4-dichloro-2-butene; 2-hexanone	UJ	%D exceeded the maximum limit in the CCV. LCS %R below acceptance limit (2-hexanone only)
MW-2R2 / L1518686-04	Naphthalene	J	%D exceeded the maximum limit in the CCV. LCS %R below acceptance limit.
FIELD BLANK / L1518686-05	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene, naphthalene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-8R / L1518686-06	Acetone, 2,4-dimethylphenol, carbazole	J	Detection in the field blank (acetone only); MSD %R and/or RPD above acceptance limit
MW-8R / L1518686-06	Trichlorofluoromethane, chloroethane, dichlorodifluoromethane, hexachlorobutadiene, and 1,4-dioxane; 1,2,3-trichlorobenzene; chloromethane, trans-1,4-dichloro-2-butene; 3,3'-dichlorobenzidine	UJ	%D exceeded the maximum limit in the CCV. LCS %R below acceptance limit (1,2,3-trichlorobenzene only). MS/MSD %R below acceptance limit (hexachlorobutadiene, chloromethane, trans-1,4-dichloro-2-butene, 3,3'-dichlorobenzidine)
MW-8R / L1518686-06	2,2-Dichloropropane	R	MSD %R below 10% recovery threshold
DUPLICATE / L1518686-07	Acetone	J	Detection in the field blank
DUPLICATE / L1518686-07	1,1-Dichloropropene, chloromethane, bromomethane, vinyl chloride, dichlorodifluoromethane, carbon disulfide, vinyl acetate, 4-methyl-2-pentanone, 2-hexanone, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and trans-1,4-dichloro-2-butene; 2-hexanone	UJ	%D exceeded the maximum limit in the CCV. LCS %R below acceptance limit (2-hexanone only)
DUPLICATE / L1518686-07	Naphthalene	J	%D exceeded the maximum limit in the CCV. LCS %R below acceptance limit.
DUPLICATE / L1518686-07	Bis(2-ethylhexyl)phthalate	J	RPD above acceptance limit
MW-12 / L1518686-08	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene, naphthalene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-7R2 / L1518686-09	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)
MW-7R2 / L1518686-09	Naphthalene	J	%D exceeded the maximum limit in the CCV
TRIP BLANK / L1518686-10	Chloromethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dioxane, 1,2,4,5-tetramethylbenzene, and trans-1,4-dichloro-2-butene, naphthalene	UJ	%D exceeded the maximum limit in the CCV. LCS/LCSD %R below acceptance limit (1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene only)

Notes:

J - Value is estimated

UJ - Value was not detected. The reported quantitation limit is approximate

U - Not detected. The associated number is the reporting limit.

R - Rejected. Data is unusable.

The value listed for acetone and dimethyl phthalate is the RL

DATA USABILITY SUMMARY REPORT
Laboratory Data Package L1531300
April 19, 2016

1.0 General Information

Patrick Medland of Geosyntec Consultants, Inc. reviewed one laboratory data package from Alpha Analytical (Westborough, MA) for the analysis of water samples collected November 30, 2015 at the Orangeburg Commons property (Site) located in Rockland County, New York. Samples were collected by Tenen Environmental, New York, New York (Tenen). The data were reviewed for conformance to the requirements of the guidance document EPA National Functional Guidelines for Data Review (EPA NFG) for organic compounds and adherence to project objectives outlined in the Site Quality Assurance Project Plan[1] (QAPP).

This Data Usability Summary Report (DUSR) and associated laboratory package is labeled as laboratory project L1531300 issued December 14, 2015. The sample analysis Case Narrative (CN) and Sample Delivery Group Form (SGDF) for this data package are provided as part of this DUSR. The sample chain-of-custody (c-o-c) forms for the samples are provided near the front of the full Cat. B Laboratory Data Report (LDR).

2.0 Intended Use of Data

The intended use of the data reviewed as part of this DUSR is to provide current information on concentrations of chemicals of concern (COCs) in the groundwater at the affected Site. Aqueous samples were analyzed for:

- EPA Method 8260C – Volatile Organic Compounds (VOCs) by GC/MS;
- EPA Method 8270D – Semi-volatile Organic Compounds (SVOCs) by GC/MS;
- EPA Method 8270D-SIM – SVOCs by GC/MS.

One aqueous trip blank sample was submitted for quality control (QC) purposes to check for contamination due to sample handling, storage, and shipping procedures. This sample was analyzed for VOCs. One aqueous field blank sample was submitted for QC purposes to check for contamination due to sampling and decontamination procedures. This sample was analyzed for VOCs and SVOCs.

The data reviewed as part of this DUSR were validated as described in the EPA NFG and the results of the review and validation are discussed in this DUSR. The laboratory submittals, documents, and field data that were examined include:

- Reportable data;
- CN and full Cat. B LDR;
- Sample c-o-c forms;
- Site QAPP; and
- Field Notes.

The results of supporting QC analyses were summarized in the CN and reported (for each method/analysis) in the LDR.

3.0 Introduction

A total of seven (7) aqueous samples were analyzed for VOCs and SVOCs as listed in Section 2.0. Two (2) aqueous blanks were analyzed; one for VOCs and SVOCs and one for VOCs only. Table 1 lists the sample identifications cross-referenced to laboratory identifications including the date sampled.

[1] Orangeburg Commons Site, Rockland County, New York, Quality Assurance Project Plan, NYDEC BCP Site No. C344073. Landmark Consultants Corporation.

4.0 Project Objectives

The project objectives were to allow determination of precision, accuracy, completeness, representativeness, regulatory compatibility, and comparability of data. Per the project QAPP, one field blank is required per sampling event. One duplicate sample is required per sampling event. One trip blank is required with each sample delivery group (SDG) of VOC samples. Additionally, one site-specific matrix spike/matrix spike duplicate (MS/MSD) is required per sampling event.

Analytical data objectives were not specified in the QAPP; therefore, laboratory and NFG specific criteria were used and are presented in the following sections.

5.0 Data Review and Validation Results

The following sections include a summary of sample analytical and validation results.

5.1 Analytical Results

As stated in the CN, some sample exceptions were noted, and qualified analytical data are listed in Table 2. As summarized in the CNs, none of the laboratory exceptions appear to have a practical impact on the usability of the data for the COCs at the Site except for 3.3'-dichlorobenzidine, 4-chloroaniline, 3-nitroaniline, and 4-nitroaniline in sample MW-8R which is rejected as detailed in Section 5.8. All other laboratory results were accepted, and non-detected (ND) results are reported as less than the value of the reporting limit (RL)/method detection limit (MDL).

5.2 Field Documentation, Preservation and Holding Times

Samples were evaluated for agreement with the c-o-c and all laboratory sample log-ins were consistent with the c-o-c with one exception noted below. Sample IDs and sample date/times were compared between the c-o-c and daily field notes and field notes were checked for completeness. As noted in the SGDF and CN, all samples were received in the appropriate containers and in good condition. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field and prepared and analyzed within holding times specified in the QAPP and SW-846 Table 2-36. There were discrepancies and omissions that are not likely to affect the analytical results but should be noted:

- Sample MW-3R DUP is listed as MW-3R-DUP on the c-o-c;
- The collection of MW-3R DUP is not documented in the field notes. According to the c-o-c and laboratory log-in, MW-3R DUP was collected 55 minutes prior to MW-3R. Tenen should verify the collection documentation of the sample labeled MW-3R DUP prior to assessing comparability;
- Groundwater field parameters for MW-3R and MW-12 are not recorded in a field logbook but rather on undated separate pieces of paper. Additionally, MW-3R is documented as MW-3 on the paper;
- Sample MW-7R-2 is documented as sample MW-7R in the field book;
- The c-o-c documents the samples relinquished on 11/30/15 at 15:30 but received by Alpha Analytical at 15:15;
- The field notes either omitted information required by or showed deviations from the QAPP including:
    - The VOC concentration of the well headspace was not measured due to "no PID (photoionization detector) on site";
    - The end time (departure from the site) was not recorded;
    - Sample flow rates and depths intervals were not documented;
    - The types and number of sample containers and preservatives used were not documented in the field logbook;
    - The QAPP states that sampling information for each sampling location will be recorded on a data sheet though this documentation was not provided;

- No calibration information for the equipment used to measure groundwater field parameters was provided.

5.3 Calibrations

Initial (ICV) and continuing calibrations (CCV) were performed using required standard concentrations and at required frequencies. ICV and CCV data met EPA SW-846 and Standard Method requirements for all analyses except for the following compounds that are also listed in Table 2.

- For all samples, dichlorodifluoromethane, trichlorofluoromethane, acetone, tert-butyl alcohol, iodomethane, vinyl acetate, ethyl-tert-butyl-ether, 2-butanone, 2,2-dichloropropane, tetrahydrofuran, 1,4-dioxane, 2-chloroethylvinyl ether, 4-methyl-2-pentanone, trans-1,3-dichloropropene, 2-hexanone, chlorodibromomethane, bromoform, and trans-1,4-dichloro-2-butene had percent differences (%D) or relative response factors (RRFs) outside of laboratory limits in the VOC CCV. Only trans-1,3-dichloropropene and bromoform exceeded the EPA NFG standards for %D, as applicable. These two compounds were not detected in the samples and results should be qualified "UJ". No other qualification is required;
- For samples MW-3R, MW-12, MW-2R2, MW-8R, MW-7R-2, MW-13, FIELD BLANK, and MW-3R DUP, atrazine, m-toluidine, 3-chloroaniline, dimethoate, and dichloran had %D outside of laboratory limits in the SVOC CCV. Only atrazine exceeded the EPA NFG standards, but it was not analyzed in the samples. Therefore no qualification is required;
- For samples MW-3R, MW-12, MW-2R2, MW-8R, MW-7R-2, MW-13, FIELD BLANK, and MW-3R DUP, hexachlorobutadiene, 2,4,6-tribromophenol, o-terphenyl-MS, and 4-terphenyl-d14 had %D outside of laboratory limits in the SVOC SIM CCV. Only hexachlorobutadiene exceeded the EPA NFG standards. It was not detected in the samples and results should be qualified "UJ". No other qualification is required.

5.4 Blanks

Trip Blank and Field Blank QAPP requirements are listed above in Section 4.0.

5.4.1 Field and Trip Blank Samples

One trip blank sample (TRIP BLANK) was submitted with this SDG on 11/30/15, for VOCs. One compound, acetone, was reported above the MDL but below the RL in the trip blank and the following data quality exceptions are noted:

- MW-3R and MW-7R-2 had acetone detections above the MDL but below the RL and the blank result. These values should be qualified as not detected ("U") and reported at the RL of 5.0 µg/L;
- MW-13 had a detection above the RL but below 2 times the blank result. This result should be considered estimated, biased high ("J+" qualified) based on professional judgement;
- Acetone was not detected in any other samples and no other qualification is required.

One aqueous field blank sample (FIELD BLANK) was collected on 11/30/15 per the QAPP requirement and submitted for VOC and SVOC analysis. One compound, naphthalene, was reported above the RL in the field blank in SVOC SIM analysis and the following data quality exceptions are noted:

- One sample, MW-3R DUP, had a detection of naphthalene above the MDL but below the RL and blank result. This value should be qualified as undetected ("U") and reported at the RL of 0.2 µg/L;
- MW-13 had a detection near but above the RL. This result should be considered estimated, biased high ("J+" qualified) based on professional judgement;
- Three samples, MW-2R2, MW-8R and MW-7R-2 had detections above the RL and more than five times the blank concentrations. These data do not require qualification based on professional judgment;
- Naphthalene was not detected in any other samples and no other qualification is required.

A second compound, 2-methylnaphthalene, was reported above the MDL but below the RL in the field blank in SVOC SIM analysis and the following data quality exceptions are noted:

- One sample, MW-13, had a detection of 2-methylnaphthalene above the MDL but below the RL. This value should be qualified as undetected ("U") and reported at the RL of 1.0 µg/L;
- Three samples, MW-2R2, MW-8R and MW-7R-2 had detections above the RL and more than twenty times the blank concentrations. These data do not require qualification based on professional judgment;
- 2-methylnaphthalene was not detected in any other samples and no other qualification is required.

5.4.2 Laboratory Blank Samples

All method blank (MB) results were reported below the MDL.

5.5 Internal Standard and Surrogate Recoveries

Internal standard areas and retention times met acceptance criteria for all analyses. Surrogates were added to all samples and blanks as required by method SW-846. The surrogate recovery of 2-fluorophenol for sample MW-13 was below laboratory QC limits for SVOC SIM analysis, however all other surrogates were within limits, so no qualification is necessary. All six surrogates for MW-8R and MW-2R2 had 0% recovery in SVOC SIM analysis. As the lab states in the CN, this is "due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported." Based on professional judgment, no qualification is necessary because surrogate concentrations were diluted out. However, this issue should be noted in the data transmittal.

5.6 Laboratory Control Samples

The laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries met the project objectives of 70-130% (VOCs) or 40-140% (SVOCs) recovery (or lab equivalent) with the following exceptions:

- Chloromethane, vinyl chloride, hexachlorobutadiene, 1,2,4-trichlorobenzene, and 1,4-dioxane had relative percent differences (RPDs) above the acceptance limit for the LCS/LCSD associated with all samples. These compounds were not detected in any sample. Therefore no qualification is required;
- 2,2-dichloropropane had LCS and LCSD percent recoveries (%R) above the acceptance limit. This compound was not detected in any sample. Therefore no qualification is required;
- Trans-1,3-dichloropropene and trans-1,4-dichloro-2-butene had LCS and/or LCSD %R below the acceptance limit. These compounds were not detected in any sample and should be qualified "UJ";
- Naphthalene had a RPD above the acceptance limit in the VOC LCS/LCSD analysis. It was detected in MW-2R2, MW-8R, MW-7R-2, and MW-13 and these data should be qualified "J". Naphthalene was not detected in the other samples and should not be qualified;
- 2,4-dinitrotoluene, 4-chloroaniline, 4-nitroaniline, 2,4,6-trichlorophenol, and 2-methylphenol had LCS %R or RPDs above acceptance limits. These compounds were not detected in any applicable sample. Therefore no qualification is required;
- 3,3'-dichlorobenzidine had a LCS %R below acceptance limits and a RPD above acceptance limits. This compound was not detected in any applicable sample and should be qualified "UJ";
- 2,4-dimethylphenol had a LCS %R below acceptance limits and a RPD above acceptance limits. This compound was detected in sample MW-8R and should be qualified "J". It was not detected in all other applicable samples and these samples should be qualified "UJ";
- Carbazole had a RPD above the acceptance limit. It was detected in MW-3R, MW-2R2, MW-8R, MW-7R-2, and MW-13 and these data should be qualified "J". Carbazole was not detected in the other applicable samples and should not be qualified.

5.7 Laboratory Duplicate

No laboratory duplicate was performed.

5.8 Matrix Spike/Matrix Spike Duplicates

An MS/MSD was performed on sample MW-8R. The MS/MSD recoveries met the project objectives of 70-130% (VOCs) or 40-140% (SVOCs) recovery (or lab equivalent) with the following exceptions:

- 2,2-dichloropropane had MSD %R above the acceptance limit. This compound was not detected in the sample. Therefore no qualification is required;
- 1,4-dioxane had MS/MSD RPD above the acceptance limit. This compound was not detected in the sample. Therefore no qualification is required;
- Trans-1,4-dichloro-2-butene had MS/MSD %Rs below the acceptance limit. This compound was not detected in the sample and should be qualified "UJ" for MW-8R;
- 4-nitrophenol and phenol had RPDs above the laboratory's acceptance limit. Neither exceeded the EPA NFG limits, so no qualification is required;
- Dibenzofuran and carbazole had %Rs of 0%. However, as the lab states, "The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample." Therefore, no qualification is necessary based on professional judgement;
- Biphenyl had MS and MSD %Rs below acceptance criteria. It was detected in sample MW-8R and should be qualified "J";
- Benzoic acid had a RPD above the acceptance limit. This compound was not detected in the sample. Therefore no qualification is required;
- 3,3'-dichlorobenzidine, 4-chloroaniline, 3-nitroaniline, and 4-nitroaniline had MS and MSD %R below the 10% threshold. Therefore these data should be qualified "R" and rejected in sample MW-8R.

5.9 Field Procedures

Field documentation was assessed to determine if samples were collected using standard industry practices, as detailed in the Site QAPP. Some samples (MW-12, MW-8R, and MW-7R-2) appear to have been collected prior to the stabilization of one or more of the indicator parameters. Samples MW-2R2 and MW-13 were collected with a bailer as documented in the field notes. Issues with sample collection and field documents (outlined in Section 5.2) should be evaluated by Tenen to determine any impact to the data quality. Field QC sampling requirements were met.

5.10 Data Review and Validation Summary

The results of this DUSR indicate that the analytical data collected in L1531300 are usable for determining concentrations of the COCs in groundwater at the Site with the noted exceptions of 3,3'-dichlorobenzidine, 4-chloroaniline, 3-nitroaniline, and 4-nitroaniline at well MW-8R as these results should be rejected. The concentrations of compounds listed on Table 2 should be considered not detected with an approximated reporting limit ("UJ" qualified), not detected ("U" qualified) or estimated ("J" qualified).

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Report Submission

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

Case Narrative (continued)

MDL column.

Semivolatile Organics

L1531300-03, -04, -05, -06 and -09: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%), 4-chloroaniline (0%/0%) and 3-nitroaniline (0%/0%) due to the concentration of this compound falling below the reported detection limit.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are below the acceptance criteria for 4-nitroaniline (7%/9%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are outside the acceptance criteria for dibenzofuran (0%/0%) and carbazole (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Semivolatile Organics by SIM

L1531300-01, -03, -04, -05 and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1531300-03 and -04: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1531300-07: The Field Blank has a result for Naphthalene present above the reporting limit. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported.

The WG846935 MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

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

Authorized Signature: Michelle M. Morris Report Date: 12/14/15

Title: Technical Director/Representative

Sample Delivery Group Form

Laboratory Job number: L1531300
Project Manager: Karyn Raymond **Review Date:** 12/01/2015
Project Number: ORANGEBURG COMMONS
Project Name: ORANGEBURG COMMONS **Received:** 11/30/2015 15:15
Client Account: Tenen Environmental, LLC **Received by:** JK/SH

Samples Delivered by: COURIER **Call Tracker #**
Bill Of Laden N/A **Trackingnum**
Coc Present Present

Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt 7 **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? Yes -03B contains HS
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
C	Absent	Yes	No	2.9 - IR Gun	No	No

A	Absent	Yes	No	3.3 - IR Gun	No	No
B	Absent	Yes	No	4.2 - IR Gun	No	No

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Sample Date	Laboratory Identification	Matrix	Analysis
MW-3R	11/30/2015	L1531300-01	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
MW-12	11/30/2015	L1531300-02	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
MW-2R2	11/30/2015	L1531300-03	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
MW-8R	11/30/2015	L1531300-04	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
MW-7R-2	11/30/2015	L1531300-05	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
MW-13	11/30/2015	L1531300-06	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
FIELD BLANK	11/30/2015	L1531300-07	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM
TRIP BLANK	11/30/2015	L1531300-08	AQUEOUS	SW-846 8260C
MW-3R DUP	11/30/2015	L1531300-09	AQUEOUS	SW-846 8260C, 8270D, and 8270D-SIM

Table 2. Qualified Analytical Data

Field ID/Lab ID	Analyte	Qualification	Reason for Qualification
All samples	trans-1,3-dichloropropene	UJ	%D & LCSD %R outside standards
All samples	bromoform	UJ	%D exceeded standards
All samples	trans-1,4-dichloro-2-butene	UJ	LCS/LCSD %R outside standards
MW-3R / L1531300-01	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-12 / L1531300-02	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-2R2 / L1531300-03	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-7R-2 / L1531300-05	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-13 / L1531300-06	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
FIELD BLANK / L1531300-07	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-3R DUP / L1531300-09	3,3'-dichlorobenzidine	UJ	LCS %R outside standards
MW-3R / L1531300-01	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-12 / L1531300-02	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-2R2 / L1531300-03	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-8R / L1531300-04	2,4-dimethylphenol	J	LCS/LCSD RPD and LCS %R outside standards
MW-7R-2 / L1531300-05	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-13 / L1531300-06	2,4-dimethylphenol	UJ	LCS %R outside standards
FIELD BLANK / L1531300-07	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-3R DUP / L1531300-09	2,4-dimethylphenol	UJ	LCS %R outside standards
MW-3R / L1531300-01	hexachlorobutadiene	UJ	%D exceeded standards
MW-12 / L1531300-02	hexachlorobutadiene	UJ	%D exceeded standards
MW-2R2 / L1531300-03	hexachlorobutadiene	UJ	%D exceeded standards
MW-8R / L1531300-04	hexachlorobutadiene	UJ	%D exceeded standards
MW-7R-2 / L1531300-05	hexachlorobutadiene	UJ	%D exceeded standards
MW-13 / L1531300-06	hexachlorobutadiene	UJ	%D exceeded standards
FIELD BLANK / L1531300-07	hexachlorobutadiene	UJ	%D exceeded standards
MW-3R DUP / L1531300-09	hexachlorobutadiene	UJ	%D exceeded standards
MW-3R / L1531300-01	acetone	5.0 U	Detection in trip blank
MW-7R-2 / L1531300-05	acetone	5.0 U	Detection in trip blank
MW-13 / L1531300-06	acetone (VOC) and naphthalene (SVOC SIM)	J+	Detection in trip and field blanks
MW-3R DUP / L1531300-09	naphthalene (SVOC SIM)	0.2 U	Detection in the field blank
MW-13 / L1531300-06	2-methylnaphthalene	1.0 U	Detection in the field blank
MW-2R2 / L1531300-03	naphthalene (VOC)	J	LCS/LCSD RPD outside standards
MW-8R / L1531300-04	naphthalene (VOC)	J	LCS/LCSD RPD outside standards
MW-7R-2 / L1531300-05	naphthalene (VOC)	J	LCS/LCSD RPD outside standards
MW-13 / L1531300-06	naphthalene (VOC)	J	LCS/LCSD RPD outside standards
MW-3R / L1531300-01	carbazole	J	LCS/LCSD RPD outside standards
MW-2R2 / L1531300-03	carbazole	J	LCS/LCSD RPD outside standards
MW-8R / L1531300-04	carbazole	J	LCS/LCSD RPD outside standards
MW-7R-2 / L1531300-05	carbazole	J	LCS/LCSD RPD outside standards
MW-13 / L1531300-06	carbazole	J	LCS/LCSD RPD outside standards
MW-8R / L1531300-04	biphenyl	J	MS/MSD %R below standards
MW-8R / L1531300-04	3,3'-dichlorobenzidine, 4-chloroaniline, 3-nitroaniline, and 4-nitroaniline	R	MS/MSD %R below 10%

Notes:

J - Value is estimated

J+ - Value is estimated, biased high

UJ - Value was not detected. The reported quantitation limit is approximate

U - Not detected. The associated number is the reporting limit.

R - Rejected. Data is unusable.

The values listed for acetone, naphthalene, and 2-methylnaphthalene are the RLs

Appendix 5
Laboratory Deliverables

ANALYTICAL REPORT

Lab Number:	L1508353
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 1004 New York City, NY
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG COMMONS
Project Number:	ORANGEBURG COMMONS
Report Date:	05/01/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508353
Report Date: 05/01/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1508353-01	IA-R1	AIR	ORANGEBURG COMMONS	04/22/15 16:10	04/22/15
L1508353-02	IA-R1-2	AIR	ORANGEBURG COMMONS	04/22/15 16:10	04/22/15
L1508353-03	AA1	AIR	ORANGEBURG COMMONS	04/22/15 15:15	04/22/15
L1508353-04	IA-SS	AIR	ORANGEBURG COMMONS	04/22/15 15:50	04/22/15
L1508353-05	SV-R1-2	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 10:50	04/22/15
L1508353-06	SV-R1-1	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 11:03	04/22/15
L1508353-07	SV-SS-1	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 11:19	04/22/15
L1508353-08	SV-SS-2	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 11:57	04/22/15
L1508353-09	SV-SS-3	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 11:35	04/22/15
L1508353-10	SV-R1-1 DUP	SOIL_VAPOR	ORANGEBURG COMMONS	04/22/15 13:04	04/22/15

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508353
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/01/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 14, 2015. The canister certification results are provided as an addendum.

Sample L1508353-04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1508353-05 through -10 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample Receipt

The sample designated SV-SS-3 (L1508353-09) had a RPD for the pre- and post-flow controller calibration check (37% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 17.7 mL/minute; the final flow rate was 25.8 mL/minute. The final pressure recorded by the laboratory of the associated canister was -9.7 inches of mercury.

The sample designated SV-R1-1 DUP (L1508353-10) had a RPD for the pre- and post-flow controller calibration check (25% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 17.9 mL/minute; the final flow rate was 22.9 mL/minute. The final pressure recorded by the laboratory of the associated canister was -2.1 inches of mercury.

Fixed Gases

Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative Date: 05/01/15

AIR

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-01
Client ID: IA-R1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 16:39
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.259	0.200	--	1.28	0.989	--		1
Chloromethane	0.699	0.200	--	1.44	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	390	2.50	--	735	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.5	1.00	--	36.8	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	15.2	0.500	--	37.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.23	0.500	--	3.63	1.47	--		1
Ethyl Acetate	0.952	0.500	--	3.43	1.80	--		1
Chloroform	5.66	0.200	--	27.6	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-01
Client ID: IA-R1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.215	0.200	--	0.758	0.705	--		1
Benzene	0.273	0.200	--	0.872	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.342	0.200	--	2.29	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.19	0.200	--	4.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.456	0.200	--	1.94	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-01
Client ID: IA-R1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	85		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	90		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-01
Client ID: IA-R1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/28/15 16:39
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.091	0.020	--	0.617	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	92		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-02
Client ID: IA-R1-2
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 17:11
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.294	0.200	--	1.45	0.989	--		1
Chloromethane	0.763	0.200	--	1.58	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	395	2.50	--	744	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.2	1.00	--	36.1	2.38	--		1
Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--		1
Isopropanol	15.6	0.500	--	38.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.765	0.500	--	2.66	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.27	0.500	--	3.75	1.47	--		1
Ethyl Acetate	0.826	0.500	--	2.98	1.80	--		1
Chloroform	5.79	0.200	--	28.3	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-02
Client ID: IA-R1-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.205	0.200	--	0.722	0.705	--		1
Benzene	0.255	0.200	--	0.815	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.351	0.200	--	2.35	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.215	0.200	--	0.881	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.21	0.200	--	4.56	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.441	0.200	--	1.88	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-02
Client ID: IA-R1-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	85		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	89		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-02
Client ID: IA-R1-2
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/28/15 17:11
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	0.020	0.020	--	0.107	0.107	--		1
Tetrachloroethene	0.093	0.020	--	0.631	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	90		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-03
Client ID: AA1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 16:07
Analyst: RY

Date Collected: 04/22/15 15:15
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.212	0.200	--	1.05	0.989	--		1
Chloromethane	0.516	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	4.72	2.50	--	8.89	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.62	1.00	--	11.0	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.770	0.500	--	2.68	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.561	0.500	--	1.65	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-03
Client ID: AA1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 15:15
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.04	0.200	--	3.92	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-03
Client ID: AA1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 15:15
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	85		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	88		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-03
Client ID: AA1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/28/15 16:07
Analyst: RY

Date Collected: 04/22/15 15:15
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.056	0.020	--	0.352	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.062	0.020	--	0.420	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	90		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-04
Client ID: IA-SS
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 17:43
Analyst: RY

Date Collected: 04/22/15 15:50
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.264	0.200	--	1.31	0.989	--		1
Chloromethane	0.646	0.200	--	1.33	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	280	2.50	--	528	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.25	1.00	--	22.0	2.38	--		1
Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--		1
Isopropanol	3.44	0.500	--	8.46	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.57	0.500	--	5.45	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.43	0.500	--	4.22	1.47	--		1
Ethyl Acetate	1.78	0.500	--	6.41	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-04
Client ID: IA-SS
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 15:50
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.203	0.200	--	0.715	0.705	--		1
Benzene	0.218	0.200	--	0.696	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.64	0.200	--	6.18	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.260	0.200	--	1.11	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-04
Client ID: IA-SS
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 15:50
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	83		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	88		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-04
Client ID: IA-SS
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/28/15 17:43
Analyst: RY

Date Collected: 04/22/15 15:50
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.068	0.020	--	0.461	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	84		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	91		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-05 D
Client ID: SV-R1-2
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 18:15
Analyst: RY

Date Collected: 04/22/15 10:50
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	3.98	0.500	--	8.22	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	329	6.25	--	620	11.8	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	71.9	2.50	--	171	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	106	1.25	--	261	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	2.45	1.25	--	7.43	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	2.47	0.500	--	7.69	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	5.58	1.25	--	16.5	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-05 D
Client ID: SV-R1-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 10:50
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	173	1.25	--	510	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	ND	0.500	--	ND	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	ND	0.500	--	ND	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	1.40	0.500	--	5.28	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	0.910	0.500	--	6.17	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	ND	1.00	--	ND	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	0.838	0.500	--	3.57	2.13	--		2.5

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-05 D
Client ID: SV-R1-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 10:50
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	ND	0.500	--	ND	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	88		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-06 D
Client ID: SV-R1-1
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 19:18
Analyst: RY

Date Collected: 04/22/15 11:03
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	1.35	0.400	--	2.79	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	594	5.00	--	1120	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	21.3	2.00	--	50.6	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	122	1.00	--	300	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.576	0.400	--	1.79	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.78	1.00	--	5.25	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-06 D
Client ID: SV-R1-1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:03
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	8.58	0.400	--	41.9	1.95	--		2
Tetrahydrofuran	1.11	1.00	--	3.27	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	0.544	0.400	--	1.92	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.748	0.400	--	2.57	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	1.38	0.400	--	5.20	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	0.846	0.800	--	3.67	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.716	0.400	--	3.05	1.70	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-06 D
Client ID: SV-R1-1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:03
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.446	0.400	--	1.94	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.582	0.400	--	2.86	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	67		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	80		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-07 D
Client ID: SV-SS-1
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 19:50
Analyst: RY

Date Collected: 04/22/15 11:19
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	323	5.00	--	609	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	21.1	2.00	--	50.1	4.75	--		2
Trichlorofluoromethane	0.404	0.400	--	2.27	2.25	--		2
Isopropanol	120	1.00	--	295	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.598	0.400	--	1.86	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.97	1.00	--	5.81	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-07 D
Client ID: SV-SS-1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:19
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.860	0.400	--	4.20	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	0.874	0.400	--	3.08	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.592	0.400	--	1.89	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.662	0.400	--	2.28	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	0.574	0.400	--	2.68	1.87	--		2
Heptane	0.600	0.400	--	2.46	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	1.97	0.400	--	7.42	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	0.662	0.400	--	4.49	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.558	0.400	--	2.38	1.70	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-07 D
Client ID: SV-SS-1
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:19
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.440	0.400	--	1.91	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	0.492	0.400	--	2.42	1.97	--		2
1,2,4-Trimethylbenzene	2.67	0.400	--	13.1	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	0.406	0.400	--	2.44	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	86		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-08 D
Client ID: SV-SS-2
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 20:21
Analyst: RY

Date Collected: 04/22/15 11:57
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	0.934	0.400	--	1.93	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	263	5.00	--	496	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	19.2	2.00	--	45.6	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	101	1.00	--	248	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	1.78	1.00	--	5.40	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.590	0.400	--	1.84	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.86	1.00	--	5.49	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-08 D
Client ID: SV-SS-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:57
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.600	0.400	--	2.93	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	2.70	0.400	--	9.29	1.38	--		2
1,2-Dichloropropane	1.22	0.400	--	5.64	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	2.34	0.400	--	8.82	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	0.560	0.400	--	3.80	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	1.15	0.800	--	5.00	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.648	0.400	--	2.76	1.70	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-08 D
Client ID: SV-SS-2
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:57
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.618	0.400	--	2.68	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.666	0.400	--	3.27	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	0.522	0.400	--	3.14	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	89		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-09 D
Client ID: SV-SS-3
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 20:53
Analyst: RY

Date Collected: 04/22/15 11:35
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	0.754	0.400	--	1.56	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	291	5.00	--	548	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	15.0	2.00	--	35.6	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	104	1.00	--	256	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.68	1.00	--	4.95	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-09 D
Client ID: SV-SS-3
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:35
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.618	0.400	--	1.97	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.582	0.400	--	2.00	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	0.978	0.400	--	3.69	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	0.408	0.400	--	2.77	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	0.822	0.800	--	3.57	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.458	0.400	--	1.95	1.70	--		2

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-09 D
Client ID: SV-SS-3
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 11:35
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.442	0.400	--	1.92	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.484	0.400	--	2.38	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	0.630	0.400	--	3.79	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	74		60-140
chlorobenzene-d5	85		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-10 D
Client ID: SV-R1-1 DUP
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/15 21:24
Analyst: RY

Date Collected: 04/22/15 13:04
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	2.50	0.500	--	5.16	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	269	6.25	--	507	11.8	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	13.8	2.50	--	32.8	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	113	1.25	--	278	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	2.73	1.25	--	8.28	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	3.89	0.500	--	12.1	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	1.99	1.25	--	5.87	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-10 D
Client ID: SV-R1-1 DUP
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 13:04
Date Received: 04/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	2.47	0.500	--	12.1	2.44	--		2.5
Tetrahydrofuran	177	1.25	--	522	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	ND	0.500	--	ND	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	ND	0.500	--	ND	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	0.935	0.500	--	3.52	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	1.99	0.500	--	13.5	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	ND	1.00	--	ND	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	0.548	0.500	--	2.33	2.13	--		2.5

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-10 D
Client ID: SV-R1-1 DUP
Sample Location: ORANGEBURG COMMONS
Date Collected: 04/22/15 13:04
Date Received: 04/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	0.508	0.500	--	2.21	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	0.810	0.500	--	4.87	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	88		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/28/15 13:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG779983-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/28/15 13:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG779983-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/28/15 13:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG779983-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508353
Report Date: 05/01/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/28/15 13:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG780217-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG779983-3								
Chlorodifluoromethane	76		-		70-130	-		
Propylene	94		-		70-130	-		
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	79		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89		-		70-130	-		
Methanol	74		-		70-130	-		
Vinyl chloride	80		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	71		-		70-130	-		
Bromomethane	82		-		70-130	-		
Chloroethane	83		-		70-130	-		
Ethyl Alcohol	78		-		70-130	-		
Dichlorofluoromethane	75		-		70-130	-		
Vinyl bromide	84		-		70-130	-		
Acrolein	72		-		70-130	-		
Acetone	91		-		70-130	-		
Acetonitrile	71		-		70-130	-		
Trichlorofluoromethane	84		-		70-130	-		
iso-Propyl Alcohol	87		-		70-130	-		
Acrylonitrile	73		-		70-130	-		
Pentane	77		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG779983-3								
Ethyl ether	71		-		70-130	-		
1,1-Dichloroethene	80		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	84		-		70-130	-		
3-Chloropropene	88		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		-		70-130	-		
trans-1,2-Dichloroethene	76		-		70-130	-		
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	80		-		70-130	-		
Vinyl acetate	98		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		
Ethyl Acetate	109		-		70-130	-		
Chloroform	89		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	76		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	86		-		70-130	-		
Isopropyl Ether	80		-		70-130	-		
Ethyl-Tert-Butyl-Ether	77		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG779983-3								
1,1,1-Trichloroethane	85		-		70-130	-		
1,1-Dichloropropene	83		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	85		-		70-130	-		
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	80		-		70-130	-		
Dibromomethane	82		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	89		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	87		-		70-130	-		
Methyl Methacrylate	92		-		70-130	-		
Heptane	84		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	91		-		70-130	-		
trans-1,3-Dichloropropene	83		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	90		-		70-130	-		
2-Hexanone	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG779983-3								
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	91		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	99		-		70-130	-		
1,2,3-Trichloropropane	90		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	92		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
n-Propylbenzene	92		-		70-130	-		
p-Chlorotoluene	91		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG779983-3								
1,3,5-Trimethylbenzene	90		-		70-130	-		
tert-Butylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
sec-Butylbenzene	95		-		70-130	-		
p-Isopropyltoluene	87		-		70-130	-		
1,2-Dichlorobenzene	103		-		70-130	-		
n-Butylbenzene	100		-		70-130	-		
1,2-Dibromo-3-chloropropane	87		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	119		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Naphthalene	108		-		70-130	-		
1,2,3-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG780217-3								
Vinyl chloride	85		-		70-130	-		25
1,1-Dichloroethene	84		-		70-130	-		25
cis-1,2-Dichloroethene	103		-		70-130	-		25
1,1,1-Trichloroethane	85		-		70-130	-		25
Carbon tetrachloride	85		-		70-130	-		25
Trichloroethene	95		-		70-130	-		25
Tetrachloroethene	102		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG779983-5 QC Sample: L1508353-05 Client ID: SV-R1-2						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	3.98	3.70	ppbV	7		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	329	326	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	71.9	72.1	ppbV	0		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	106	105	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	2.45	2.38	ppbV	3		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	2.47	2.38	ppbV	4		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG779983-5 QC Sample: L1508353-05 Client ID: SV-R1-2					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	5.58	5.12	ppbV	9	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	173	174	ppbV	1	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG779983-5 QC Sample: L1508353-05 Client ID: SV-R1-2					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.40	1.44	ppbV	3	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.910	0.915	ppbV	1	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.838	0.898	ppbV	7	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG779983-5 QC Sample: L1508353-05 Client ID: SV-R1-2					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG780217-5 QC Sample: L1506358-75 Client ID: DUP Sample					
Vinyl chloride	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.063	0.065	ppbV	4	25
Trichloroethene	ND	ND	ppbV	NC	25
Tetrachloroethene	0.880	0.868	ppbV	1	25

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-01 D
Client ID: IA-R1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 18:24
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	2.81		ppmV	1.96	--	1.961

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-02 D
Client ID: IA-R1-2
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 19:13
Analyst: RY

Date Collected: 04/22/15 16:10
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	2.89		ppmV	1.85	--	1.852

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-03 D
Client ID: AA1
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 20:03
Analyst: RY

Date Collected: 04/22/15 15:15
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	2.17		ppmV	2.04	--	2.041

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-04 D
Client ID: IA-SS
Sample Location: ORANGEBURG COMMONS
Matrix: Air
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 20:52
Analyst: RY

Date Collected: 04/22/15 15:50
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	259		ppmV	1.89	--	1.887

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-05 D
Client ID: SV-R1-2
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 21:41
Analyst: RY

Date Collected: 04/22/15 10:50
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	42.4		ppmV	1.75	--	1.754

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-06 D
Client ID: SV-R1-1
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 22:30
Analyst: RY

Date Collected: 04/22/15 11:03
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	20.0		ppmV	2.70	--	2.703

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-07 D
Client ID: SV-SS-1
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 23:20
Analyst: RY

Date Collected: 04/22/15 11:19
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	5.70		ppmV	1.87	--	1.869

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-08 D
Client ID: SV-SS-2
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 05/01/15 00:09
Analyst: RY

Date Collected: 04/22/15 11:57
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	11.9		ppmV	1.68	--	1.681

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-09 D
Client ID: SV-SS-3
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 05/01/15 00:58
Analyst: RY

Date Collected: 04/22/15 11:35
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	1030		ppmV	2.27	--	2.273

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508353

Project Number: ORANGEBURG COMMO **Report Date:** 05/01/15

SAMPLE RESULTS

Lab ID: L1508353-10 D
Client ID: SV-R1-1 DUP
Sample Location: ORANGEBURG COMMONS
Matrix: Soil_Vapor
Analytical Method: 51,3C(M)
Analytical Date: 05/01/15 01:47
Analyst: RY

Date Collected: 04/22/15 13:04
Date Received: 04/22/15
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Dissolved Gases in Air - Mansfield Lab						
Methane	3.94		ppmV	1.63	--	1.626

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508353
Report Date: 05/01/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 51,3C(M)
Analytical Date: 04/30/15 17:59
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases in Air - Mansfield Lab for sample(s): 01-10 Batch: WG780747-2					
Methane	ND		ppmV	1.00	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Gases in Air - Mansfield Lab	Associated sample(s): 01-10 Batch: WG780747-1							
Methane	91		-		80-120	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-10 QC Sample: L1508353-08 Client ID: SV-SS-2						
Methane	11.9	11.7	ppmV	2		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-11 QC Sample: L1508353-09 Client ID: SV-SS-3						
Methane	1030	1030	ppmV	0		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-12 QC Sample: L1508353-10 Client ID: SV-R1-1 DUP						
Methane	3.94	3.93	ppmV	0		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-3 QC Sample: L1508353-01 Client ID: IA-R1						
Methane	2.81	2.81	ppmV	0		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-4 QC Sample: L1508353-02 Client ID: IA-R1-2						
Methane	2.89	2.92	ppmV	1		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-5 QC Sample: L1508353-03 Client ID: AA1						
Methane	2.17	2.11	ppmV	3		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-6 QC Sample: L1508353-04 Client ID: IA-SS						
Methane	259	266	ppmV	3		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-7 QC Sample: L1508353-05 Client ID: SV-R1-2						
Methane	42.4	44.5	ppmV	5		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-8 QC Sample: L1508353-06 Client ID: SV-R1-1						
Methane	20.0	20.0	ppmV	0		5

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG CO

Lab Number: L1508353
Report Date: 05/01/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG780747-9 QC Sample: L1508353-07 Client ID: SV-SS-1					
Methane	5.70	5.72	ppmV	0	5

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508353

Report Date: 05/01/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1508353-01	IA-R1	0577	#20 AMB	04/14/15	202295		-	-	-	Pass	10.0	9.8	2
L1508353-01	IA-R1	1964	6.0L Can	04/14/15	202295	L1507295-02	Pass	-30.0	-7.4	-	-	-	-
L1508353-02	IA-R1-2	0366	#16 AMB	04/14/15	202295		-	-	-	Pass	10.0	8.3	19
L1508353-02	IA-R1-2	629	6.0L Can	04/14/15	202295	L1507295-02	Pass	-30.0	-6.1	-	-	-	-
L1508353-03	AA1	0624	#30 AMB	04/14/15	202295		-	-	-	Pass	10.0	10.0	0
L1508353-03	AA1	1611	6.0L Can	04/14/15	202295	L1507295-02	Pass	-29.9	-8.1	-	-	-	-
L1508353-04	IA-SS	0028	#20 AMB	04/14/15	202295		-	-	-	Pass	10.0	10.3	3
L1508353-04	IA-SS	1551	6.0L Can	04/14/15	202295	L1507295-02	Pass	-30.0	-6.6	-	-	-	-
L1508353-05	SV-R1-2	0178	#90 SV	04/14/15	202295		-	-	-	Pass	17.9	20.9	15
L1508353-05	SV-R1-2	110	2.7L Can	04/14/15	202295	L1507295-01	Pass	-30.0	-2.6	-	-	-	-
L1508353-06	SV-R1-1	0407	#30 SV	04/14/15	202295		-	-	-	Pass	17.9	16.0	11
L1508353-06	SV-R1-1	188	2.7L Can	04/14/15	202295	L1507295-01	Pass	-29.8	-12.6	-	-	-	-
L1508353-07	SV-SS-1	0132	#20 SV	04/14/15	202295		-	-	-	Pass	17.9	17.0	5
L1508353-07	SV-SS-1	551	2.7L Can	04/14/15	202295	L1507295-01	Pass	-29.8	-5.2	-	-	-	-
L1508353-08	SV-SS-2	0404	#30 AMB	04/14/15	202295		-	-	-	Pass	17.7	18.6	5

Project Name: ORANGEBURG COMMONS

Lab Number: L1508353

Project Number: ORANGEBURG COMMONS

Report Date: 05/01/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1508353-08	SV-SS-2	114	2.7L Can	04/14/15	202295	L1507295-01	Pass	-30.0	-2.6	-	-	-	-
L1508353-09	SV-SS-3	0137	#90 AMB	04/14/15	202295		-	-	-	Pass	17.7	25.8	37
L1508353-09	SV-SS-3	1805	2.7L CAN	04/14/15	202295	L1507295-01	Pass	-29.8	-9.7	-	-	-	-
L1508353-10	SV-R1-1 DUP	0283	#30 SV	04/14/15	202295		-	-	-	Pass	17.9	22.9	25
L1508353-10	SV-R1-1 DUP	156	2.7L Can	04/14/15	202295	L1507295-01	Pass	-30.0	-2.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/11/15 13:30
Analyst: RY

Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1507295

Project Number: CANISTER QC BAT **Report Date:** 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/11/15 13:30
Analyst: RY

Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1507295

Project Number: CANISTER QC BAT **Report Date:** 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01 Date Collected: 04/10/15 16:39

Client ID: CAN 337 SHELF 14 Date Received: 04/11/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-01
Client ID: CAN 337 SHELF 14
Sample Location:
Date Collected: 04/10/15 16:39
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/11/15 14:02
Analyst: RY

Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1507295

Project Number: CANISTER QC BAT **Report Date:** 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02 Date Collected: 04/10/15 16:52

Client ID: CAN 725 SHELF 53 Date Received: 04/11/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/11/15 14:02
Analyst: RY

Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1507295
Report Date: 05/01/15

Air Canister Certification Results

Lab ID: L1507295-02
Client ID: CAN 725 SHELF 53
Sample Location:
Date Collected: 04/10/15 16:52
Date Received: 04/11/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508353
Report Date: 05/01/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508353-01A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1508353-02A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1508353-03A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1508353-04A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1508353-05A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)
L1508353-06A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)
L1508353-07A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)
L1508353-08A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)
L1508353-09A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)
L1508353-10A	Canister - 2.7 Liter	N/A	NA		Y	Absent	DISSGAS-AIR(2),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508353
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/01/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508353
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/01/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508353
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/01/15

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/23/15

ALPHA Job #: L1508353

Client Information

Client: Tenen Environmental
Address: 121 W 27th St Suite 1004
New York NY 10001
Phone: 646 606 2332
Fax:
Email: mcarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Orangeburg Commons
Project Location: II
Project #: OC
Project Manager: Matt Carroll
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 4/29/15 Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
08353-01	IA-R1	4/22/15	0814	1610	-30.15	-6.72	AA	lcm	6L	1964	0577		✓						
-02	IA-R1-2		0814	1610	-30.02	-4.90	AA	lcm	6L	629 ~~1464~~	0366		✓						
-03	AA1		0817	1545	-29.82	-8.05	AA	lcm	6L	1611	0624		✓						
-04	IA-SS		0817	1550	-29.70	-5.90	AA	lcm	6L	1551	0028		✓						
-05	SV-R1-2		0853	1050	-29.47	-2.83	SV	lcm	2.75	110	0178		✓						
-06	SV-R1-1		0903	1103	-29.28	-12.57	SV	lcm	2.75	188	0407		✓						
-07	SV-SS-1		0919	1119	-29.69	-5.88	SV	lcm	2.75	551	0132		✓						
-08	SV-SS-2		0927	1157	-29.69	-2.78	SV	lcm	2.75	114	0404		✓						
-09	SV-SS-3		0933	1135	-29.65	-10.97	SV	lcm	2.75	1805	0137		✓						
-10	SV-R1-1 DUP		1104	1304	-29.75	-2.15	SV	lcm	2.75	156	0283		✓						
	Container Type												Pump						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By:	Date/Time	Received By:	Date/Time:
	4/22/15 1134		4-22-15 1630
	4-22-15 1850		4-22-15 1850
	4-23-15 0110		4/23/15 0110

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

ANALYTICAL REPORT

Lab Number:	L1508596
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 1004 New York City, NY
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG COMMONS
Project Number:	ORANGEBURG COMMONS
Report Date:	05/05/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1508596-01	MW-13	WATER	170 ROUTE 303	04/24/15 09:30	04/24/15
L1508596-02	MW-6R	WATER	170 ROUTE 303	04/24/15 10:05	04/24/15
L1508596-03	MW-7R-2	WATER	170 ROUTE 303	04/24/15 11:25	04/24/15
L1508596-04	MW-3R	WATER	170 ROUTE 303	04/24/15 12:50	04/24/15
L1508596-05	MW-12	WATER	170 ROUTE 303	04/24/15 11:30	04/24/15
L1508596-06	MW-2R-2	WATER	170 ROUTE 303	04/24/15 14:25	04/24/15
L1508596-07	MW-8R	WATER	170 ROUTE 303	04/24/15 13:03	04/24/15
L1508596-08	FIELD BLANK	WATER	170 ROUTE 303	04/24/15 14:10	04/24/15
L1508596-09	TRIP BLANK	WATER	170 ROUTE 303	04/24/15 00:00	04/24/15

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1508596
Report Date: 05/05/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596
Project Number: ORANGEBURG COMMONS **Report Date:** 05/05/15

Case Narrative (continued)

Report Submission

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

Volatile Organics

The WG782041-4/-5 MS/MSD recoveries, performed on L1508596-07, are below the acceptance criteria for styrene (66%/68%) and naphthalene (65%/62%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG782041-4/-5 MS/MSD RPD, performed on L1508596-07, is above the acceptance criteria for 1,4-dioxane (27%).

Semivolatile Organics

L1508596-01 has elevated detection limits due to the dilution required by the sample matrix.

The WG781180-1 Method Blank, associated with L1508596-08, has a concentration above the reporting limit for bis(2-ethylhexyl)phthalate. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG780112-4/-5 MS/MSD recovery, performed on L1508596-07, is below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%) due to the concentration of this compound falling below the reported detection limit.

The WG780112-4/-5 MS/MSD recoveries, performed on L1508596-07, are outside the acceptance criteria for 4-chloroaniline (35%/33%), 4-nitroaniline (30%/33%), and carbazole (MS 45%).

Semivolatile Organics by SIM

L1508596-07: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

A Matrix Spike/Matrix Spike Duplicate was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508596
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/05/15

Case Narrative (continued)

the spike compounds to be diluted below the range of calibration.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/05/15

ORGANICS

VOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01
Client ID: MW-13
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 11:44
Analyst: PD

Date Collected: 04/24/15 09:30
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01 Date Collected: 04/24/15 09:30

Client ID: MW-13 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.9	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01 Date Collected: 04/24/15 09:30

Client ID: MW-13 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02
Client ID: MW-6R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 12:12
Analyst: PD

Date Collected: 04/24/15 10:05
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	2.0		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02 Date Collected: 04/24/15 10:05

Client ID: MW-6R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02 Date Collected: 04/24/15 10:05

Client ID: MW-6R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 12:39
Analyst: PD

Date Collected: 04/24/15 11:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.98	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	2.8		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03 Date Collected: 04/24/15 11:25

Client ID: MW-7R-2 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	2.4	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	7.8		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03 Date Collected: 04/24/15 11:25

Client ID: MW-7R-2 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04
Client ID: MW-3R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 13:07
Analyst: PD

Date Collected: 04/24/15 12:50
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04 Date Collected: 04/24/15 12:50

Client ID: MW-3R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.0	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04 Date Collected: 04/24/15 12:50

Client ID: MW-3R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05
Client ID: MW-12
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 13:35
Analyst: PD

Date Collected: 04/24/15 11:30
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05 Date Collected: 04/24/15 11:30

Client ID: MW-12 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05 Date Collected: 04/24/15 11:30

Client ID: MW-12 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 D
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 20:04
Analyst: PD

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.3	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
1,3-Dichloropropene, Total	ND		ug/l	20	5.8	40
1,1-Dichloropropene	ND		ug/l	100	28.	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	5.8	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	5.7	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 D
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
Xylenes, Total	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
1,2-Dichloroethene, Total	ND		ug/l	100	28.	40
Dibromomethane	ND		ug/l	200	40.	40
1,2,3-Trichloropropane	ND		ug/l	100	28.	40
Acrylonitrile	ND		ug/l	200	60.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
Vinyl acetate	ND		ug/l	200	40.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
2,2-Dichloropropane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,3-Dichloropropane	ND		ug/l	100	28.	40
1,1,1,2-Tetrachloroethane	ND		ug/l	100	28.	40
Bromobenzene	ND		ug/l	100	28.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
o-Chlorotoluene	ND		ug/l	100	28.	40
p-Chlorotoluene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Hexachlorobutadiene	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	1500		ug/l	100	28.	40
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 D
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
1,4-Dioxane	ND		ug/l	10000	1600	40
p-Diethylbenzene	ND		ug/l	80	28.	40
p-Ethyltoluene	ND		ug/l	80	28.	40
1,2,4,5-Tetramethylbenzene	ND		ug/l	80	26.	40
Ethyl ether	ND		ug/l	100	28.	40
trans-1,4-Dichloro-2-butene	ND		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/15 10:42
Analyst: PD

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.3	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
1,3-Dichloropropene, Total	ND		ug/l	12	3.6	25
1,1-Dichloropropene	ND		ug/l	62	18.	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	3.6	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	1.7	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	3.6	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	ND		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D Date Collected: 04/24/15 13:03

Client ID: MW-8R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
Xylenes, Total	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	ND		ug/l	62	18.	25
1,2-Dichloroethene, Total	ND		ug/l	62	18.	25
Dibromomethane	ND		ug/l	120	25.	25
1,2,3-Trichloropropane	ND		ug/l	62	18.	25
Acrylonitrile	ND		ug/l	120	38.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
Vinyl acetate	ND		ug/l	120	25.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
2,2-Dichloropropane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,3-Dichloropropane	ND		ug/l	62	18.	25
1,1,1,2-Tetrachloroethane	ND		ug/l	62	18.	25
Bromobenzene	ND		ug/l	62	18.	25
n-Butylbenzene	ND		ug/l	62	18.	25
sec-Butylbenzene	ND		ug/l	62	18.	25
tert-Butylbenzene	ND		ug/l	62	18.	25
o-Chlorotoluene	ND		ug/l	62	18.	25
p-Chlorotoluene	ND		ug/l	62	18.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Hexachlorobutadiene	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
p-Isopropyltoluene	ND		ug/l	62	18.	25
Naphthalene	1600		ug/l	62	18.	25
n-Propylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
1,3,5-Trimethylbenzene	ND		ug/l	62	18.	25

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	62	18.	25
1,4-Dioxane	ND		ug/l	6200	1000	25
p-Diethylbenzene	ND		ug/l	50	18.	25
p-Ethyltoluene	ND		ug/l	50	18.	25
1,2,4,5-Tetramethylbenzene	ND		ug/l	50	16.	25
Ethyl ether	ND		ug/l	62	18.	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	18.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/04/15 11:16
Analyst: PD

Date Collected: 04/24/15 14:10
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08 Date Collected: 04/24/15 14:10

Client ID: FIELD BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08 Date Collected: 04/24/15 14:10

Client ID: FIELD BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-09
Client ID: TRIP BLANK
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/02/15 19:10
Analyst: PD

Date Collected: 04/24/15 00:00
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-09 Date Collected: 04/24/15 00:00

Client ID: TRIP BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-09 Date Collected: 04/24/15 00:00

Client ID: TRIP BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**138**	Q	70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/02/15 17:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG781413-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMM **Report Date:** 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/02/15 17:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG781413-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/02/15 17:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG781413-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**134**	Q	70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/15 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG781759-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/15 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG781759-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/15 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG781759-3					
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/15 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG781759-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/15 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG782041-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/15 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG782041-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/15 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG782041-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG781413-1 WG781413-2								
Methylene chloride	103		100		70-130	3		20
1,1-Dichloroethane	117		111		70-130	5		20
Chloroform	123		119		70-130	3		20
Carbon tetrachloride	125		117		63-132	7		20
1,2-Dichloropropane	110		106		70-130	4		20
Dibromochloromethane	106		102		63-130	4		20
1,1,2-Trichloroethane	110		105		70-130	5		20
Tetrachloroethene	105		100		70-130	5		20
Chlorobenzene	104		100		75-130	4		20
Trichlorofluoromethane	146		136		62-150	7		20
1,2-Dichloroethane	**140**	Q	**136**	Q	70-130	3		20
1,1,1-Trichloroethane	129		123		67-130	5		20
Bromodichloromethane	120		114		67-130	5		20
trans-1,3-Dichloropropene	118		114		70-130	3		20
cis-1,3-Dichloropropene	108		104		70-130	4		20
1,1-Dichloropropene	120		114		70-130	5		20
Bromoform	86		80		54-136	7		20
1,1,2,2-Tetrachloroethane	88		83		67-130	6		20
Benzene	108		104		70-130	4		20
Toluene	103		100		70-130	3		20
Ethylbenzene	112		108		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG781413-1 WG781413-2								
Chloromethane	115		103		64-130	11		20
Bromomethane	110		106		39-139	4		20
Vinyl chloride	120		116		55-140	3		20
Chloroethane	**167**	Q	**153**	Q	55-138	9		20
1,1-Dichloroethene	107		101		61-145	6		20
trans-1,2-Dichloroethene	106		101		70-130	5		20
Trichloroethene	113		107		70-130	5		20
1,2-Dichlorobenzene	96		92		70-130	4		20
1,3-Dichlorobenzene	102		97		70-130	5		20
1,4-Dichlorobenzene	103		98		70-130	5		20
Methyl tert butyl ether	113		108		63-130	5		20
p/m-Xylene	114		110		70-130	4		20
o-Xylene	117		113		70-130	3		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	112		106		70-130	6		20
1,2,3-Trichloropropane	107		100		64-130	7		20
Acrylonitrile	102		97		70-130	5		20
Styrene	115		110		70-130	4		20
Dichlorodifluoromethane	121		115		36-147	5		20
Acetone	100		94		58-148	6		20
Carbon disulfide	100		94		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG781413-1 WG781413-2								
2-Butanone	73		71		63-138	3		20
Vinyl acetate	**135**	Q	127		70-130	6		20
4-Methyl-2-pentanone	101		96		59-130	5		20
2-Hexanone	105		100		57-130	5		20
Bromochloromethane	110		106		70-130	4		20
2,2-Dichloropropane	129		122		63-133	6		20
1,2-Dibromoethane	103		98		70-130	5		20
1,3-Dichloropropane	108		105		70-130	3		20
1,1,1,2-Tetrachloroethane	113		109		64-130	4		20
Bromobenzene	**69**	Q	**66**	Q	70-130	4		20
n-Butylbenzene	116		110		53-136	5		20
sec-Butylbenzene	103		97		70-130	6		20
tert-Butylbenzene	93		89		70-130	4		20
o-Chlorotoluene	103		98		70-130	5		20
p-Chlorotoluene	102		98		70-130	4		20
1,2-Dibromo-3-chloropropane	109		106		41-144	3		20
Hexachlorobutadiene	77		73		63-130	5		20
Isopropylbenzene	76		72		70-130	5		20
p-Isopropyltoluene	104		98		70-130	6		20
Naphthalene	75		72		70-130	4		20
n-Propylbenzene	96		91		69-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG781413-1 WG781413-2								
1,2,3-Trichlorobenzene	79		77		70-130	3		20
1,2,4-Trichlorobenzene	89		85		70-130	5		20
1,3,5-Trimethylbenzene	106		101		64-130	5		20
1,2,4-Trimethylbenzene	104		100		70-130	4		20
1,4-Dioxane	98		93		56-162	5		20
p-Diethylbenzene	105		100		70-130	5		20
p-Ethyltoluene	98		93		70-130	5		20
1,2,4,5-Tetramethylbenzene	89		86		70-130	3		20
Ethyl ether	108		103		59-134	5		20
trans-1,4-Dichloro-2-butene	113		106		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	**135**	Q	**134**	Q	70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	113		112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG781759-1 WG781759-2								
Methylene chloride	97		98		70-130	1		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	102		105		70-130	3		20
2-Chloroethylvinyl ether	87		86		70-130	1		20
Carbon tetrachloride	90		91		63-132	1		20
1,2-Dichloropropane	96		98		70-130	2		20
Dibromochloromethane	102		102		63-130	0		20
1,1,2-Trichloroethane	104		104		70-130	0		20
Tetrachloroethene	92		93		70-130	1		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	82		82		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	97		98		67-130	1		20
Bromodichloromethane	98		99		67-130	1		20
trans-1,3-Dichloropropene	112		112		70-130	0		20
cis-1,3-Dichloropropene	84		84		70-130	0		20
1,1-Dichloropropene	95		97		70-130	2		20
Bromoform	96		94		54-136	2		20
1,1,2,2-Tetrachloroethane	94		92		67-130	2		20
Benzene	95		96		70-130	1		20
Toluene	97		98		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG781759-1 WG781759-2								
Ethylbenzene	100		101		70-130	1		20
Chloromethane	90		85		64-130	6		20
Bromomethane	70		70		39-139	0		20
Vinyl chloride	90		92		55-140	2		20
Chloroethane	86		88		55-138	2		20
1,1-Dichloroethene	86		88		61-145	2		20
trans-1,2-Dichloroethene	94		95		70-130	1		20
Trichloroethene	93		94		70-130	1		20
1,2-Dichlorobenzene	90		90		70-130	0		20
1,3-Dichlorobenzene	95		96		70-130	1		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	102		100		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	99		101		70-130	2		20
cis-1,2-Dichloroethene	96		98		70-130	2		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	108		106		64-130	2		20
Acrylonitrile	109		107		70-130	2		20
Diisopropyl Ether	96		98		70-130	2		20
Tert-Butyl Alcohol	109		105		70-130	4		20
Styrene	**62**	Q	**63**	Q	70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG781759-1 WG781759-2								
Dichlorodifluoromethane	83		86		36-147	4		20
Acetone	80		76		58-148	5		20
Carbon disulfide	88		88		51-130	0		20
2-Butanone	78		76		63-138	3		20
Vinyl acetate	104		102		70-130	2		20
4-Methyl-2-pentanone	93		90		59-130	3		20
2-Hexanone	107		103		57-130	4		20
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	95		98		63-133	3		20
1,2-Dibromoethane	103		102		70-130	1		20
1,3-Dichloropropane	104		104		70-130	0		20
1,1,1,2-Tetrachloroethane	106		107		64-130	1		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	97		97		53-136	0		20
sec-Butylbenzene	88		89		70-130	1		20
tert-Butylbenzene	75		76		70-130	1		20
o-Chlorotoluene	96		98		70-130	2		20
p-Chlorotoluene	93		95		70-130	2		20
1,2-Dibromo-3-chloropropane	94		94		41-144	0		20
Hexachlorobutadiene	72		71		63-130	1		20
Isopropylbenzene	86		87		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG781759-1 WG781759-2								
p-Isopropyltoluene	89		90		70-130	1		20
Naphthalene	85		84		70-130	1		20
n-Propylbenzene	82		83		69-130	1		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20
1,2,4-Trichlorobenzene	94		95		70-130	1		20
1,3,5-Trimethylbenzene	98		99		64-130	1		20
1,2,4-Trimethylbenzene	93		94		70-130	1		20
Methyl Acetate	103		100		70-130	3		20
Ethyl Acetate	110		107		70-130	3		20
Cyclohexane	91		91		70-130	0		20
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		20
Tertiary-Amyl Methyl Ether	100		100		66-130	0		20
1,4-Dioxane	150		132		56-162	13		20
Freon-113	87		87		70-130	0		20
p-Diethylbenzene	82		82		70-130	0		20
p-Ethyltoluene	88		89		70-130	1		20
1,2,4,5-Tetramethylbenzene	78		79		70-130	1		20
Ethyl ether	96		94		59-134	2		20
trans-1,4-Dichloro-2-butene	96		92		70-130	4		20
Iodomethane	**52**	Q	**60**	Q	70-130	14		20
Methyl cyclohexane	85		85		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG781759-1 WG781759-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	106		107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG782041-1 WG782041-2								
Methylene chloride	108		104		70-130	4		20
1,1-Dichloroethane	110		103		70-130	7		20
Chloroform	118		111		70-130	6		20
Carbon tetrachloride	111		104		63-132	7		20
1,2-Dichloropropane	109		103		70-130	6		20
Dibromochloromethane	111		106		63-130	5		20
1,1,2-Trichloroethane	112		108		70-130	4		20
Tetrachloroethene	110		102		70-130	8		20
Chlorobenzene	107		100		75-130	7		20
Trichlorofluoromethane	106		98		62-150	8		20
1,2-Dichloroethane	110		104		70-130	6		20
1,1,1-Trichloroethane	116		109		67-130	6		20
Bromodichloromethane	111		104		67-130	7		20
trans-1,3-Dichloropropene	122		117		70-130	4		20
cis-1,3-Dichloropropene	94		89		70-130	5		20
1,1-Dichloropropene	114		108		70-130	5		20
Bromoform	102		99		54-136	3		20
1,1,2,2-Tetrachloroethane	97		94		67-130	3		20
Benzene	109		103		70-130	6		20
Toluene	110		103		70-130	7		20
Ethylbenzene	115		108		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG782041-1 WG782041-2								
Chloromethane	92		100		64-130	8		20
Bromomethane	90		84		39-139	7		20
Vinyl chloride	109		104		55-140	5		20
Chloroethane	107		100		55-138	7		20
1,1-Dichloroethene	105		99		61-145	6		20
trans-1,2-Dichloroethene	110		103		70-130	7		20
Trichloroethene	109		102		70-130	7		20
1,2-Dichlorobenzene	99		93		70-130	6		20
1,3-Dichlorobenzene	106		100		70-130	6		20
1,4-Dichlorobenzene	105		98		70-130	7		20
Methyl tert butyl ether	108		104		63-130	4		20
p/m-Xylene	119		113		70-130	5		20
o-Xylene	112		106		70-130	6		20
cis-1,2-Dichloroethene	110		105		70-130	5		20
Dibromomethane	103		98		70-130	5		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	117		112		70-130	4		20
Styrene	**67**	Q	**65**	Q	70-130	3		20
Dichlorodifluoromethane	103		98		36-147	5		20
Acetone	85		79		58-148	7		20
Carbon disulfide	105		98		51-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG782041-1 WG782041-2								
2-Butanone	80		78		63-138	3		20
Vinyl acetate	112		107		70-130	5		20
4-Methyl-2-pentanone	94		94		59-130	0		20
2-Hexanone	106		104		57-130	2		20
Bromochloromethane	110		106		70-130	4		20
2,2-Dichloropropane	116		108		63-133	7		20
1,2-Dibromoethane	110		106		70-130	4		20
1,3-Dichloropropane	112		107		70-130	5		20
1,1,1,2-Tetrachloroethane	118		111		64-130	6		20
Bromobenzene	97		93		70-130	4		20
n-Butylbenzene	114		106		53-136	7		20
sec-Butylbenzene	102		97		70-130	5		20
tert-Butylbenzene	87		82		70-130	6		20
o-Chlorotoluene	109		103		70-130	6		20
p-Chlorotoluene	105		100		70-130	5		20
1,2-Dibromo-3-chloropropane	103		97		41-144	6		20
Hexachlorobutadiene	80		76		63-130	5		20
Isopropylbenzene	96		92		70-130	4		20
p-Isopropyltoluene	104		97		70-130	7		20
Naphthalene	88		86		70-130	2		20
n-Propylbenzene	95		90		69-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG782041-1 WG782041-2								
1,2,3-Trichlorobenzene	97		92		70-130	5		20
1,2,4-Trichlorobenzene	105		97		70-130	8		20
1,3,5-Trimethylbenzene	112		105		64-130	6		20
1,2,4-Trimethylbenzene	106		100		70-130	6		20
1,4-Dioxane	100		129		56-162	**25**	Q	20
p-Diethylbenzene	95		88		70-130	8		20
p-Ethyltoluene	101		95		70-130	6		20
1,2,4,5-Tetramethylbenzene	89		82		70-130	8		20
Ethyl ether	104		99		59-134	5		20
trans-1,4-Dichloro-2-butene	107		103		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	107		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 QC Batch ID: WG782041-4 WG782041-5 QC Sample: L1508596-07 Client ID: MW-8R												
Methylene chloride	ND	250	270	106		280	110		70-130	4		20
1,1-Dichloroethane	ND	250	270	107		280	112		70-130	4		20
Chloroform	ND	250	280	113		300	120		70-130	7		20
Carbon tetrachloride	ND	250	280	112		300	119		63-132	7		20
1,2-Dichloropropane	ND	250	260	104		280	111		70-130	7		20
Dibromochloromethane	ND	250	260	104		280	111		63-130	7		20
1,1,2-Trichloroethane	ND	250	270	107		280	112		70-130	4		20
Tetrachloroethene	ND	250	270	109		290	114		70-130	7		20
Chlorobenzene	ND	250	260	102		270	107		75-130	4		20
Trichlorofluoromethane	ND	250	270	109		280	112		62-150	4		20
1,2-Dichloroethane	ND	250	260	105		270	110		70-130	4		20
1,1,1-Trichloroethane	ND	250	290	116		300	122		67-130	3		20
Bromodichloromethane	ND	250	260	104		270	110		67-130	4		20
trans-1,3-Dichloropropene	ND	250	280	114		300	121		70-130	7		20
cis-1,3-Dichloropropene	ND	250	220	87		230	92		70-130	4		20
1,1-Dichloropropene	ND	250	290	116		310	123		70-130	7		20
Bromoform	ND	250	240	95		250	100		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	250	230	94		240	97		67-130	4		20
Benzene	ND	250	270	107		280	112		70-130	4		20
Toluene	ND	250	270	107		280	113		70-130	4		20
Ethylbenzene	ND	250	280	114		300	119		70-130	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 QC Batch ID: WG782041-4 WG782041-5 QC Sample: L1508596-07 Client ID: MW-8R												
Chloromethane	ND	250	260	104		260	104		64-130	0		20
Bromomethane	ND	250	210	85		220	88		39-139	5		20
Vinyl chloride	ND	250	280	114		300	118		55-140	7		20
Chloroethane	ND	250	270	107		270	108		55-138	0		20
1,1-Dichloroethene	ND	250	270	108		280	112		61-145	4		20
trans-1,2-Dichloroethene	ND	250	270	107		280	113		70-130	4		20
Trichloroethene	ND	250	260	106		280	111		70-130	7		20
1,2-Dichlorobenzene	ND	250	240	94		240	98		70-130	0		20
1,3-Dichlorobenzene	ND	250	250	102		260	106		70-130	4		20
1,4-Dichlorobenzene	ND	250	250	99		260	104		70-130	4		20
Methyl tert butyl ether	ND	250	250	102		270	107		63-130	8		20
p/m-Xylene	ND	500	590	118		610	122		70-130	3		20
o-Xylene	ND	500	550	111		580	116		70-130	5		20
cis-1,2-Dichloroethene	ND	250	260	105		280	111		70-130	7		20
Dibromomethane	ND	250	240	98		260	102		70-130	8		20
1,2,3-Trichloropropane	ND	250	270	108		280	112		64-130	4		20
Acrylonitrile	ND	250	270	109		280	114		70-130	4		20
Styrene	ND	500	330	**66**	Q	340	**68**	Q	70-130	3		20
Dichlorodifluoromethane	ND	250	270	109		280	112		36-147	4		20
Acetone	ND	250	200	79		210	84		58-148	5		20
Carbon disulfide	ND	250	260	103		270	107		51-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 QC Batch ID: WG782041-4 WG782041-5 QC Sample: L1508596-07 Client ID: MW-8R												
2-Butanone	ND	250	190	76		200	79		63-138	5		20
Vinyl acetate	ND	250	270	108		280	113		70-130	4		20
4-Methyl-2-pentanone	ND	250	220	90		240	97		59-130	9		20
2-Hexanone	ND	250	250	100		270	107		57-130	8		20
Bromochloromethane	ND	250	260	105		270	110		70-130	4		20
2,2-Dichloropropane	ND	250	280	113		290	116		63-133	4		20
1,2-Dibromoethane	ND	250	260	105		280	110		70-130	7		20
1,3-Dichloropropane	ND	250	270	107		280	113		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	250	280	112		290	118		64-130	4		20
Bromobenzene	ND	250	230	93		240	96		70-130	4		20
n-Butylbenzene	ND	250	280	110		290	115		53-136	4		20
sec-Butylbenzene	ND	250	260	103		270	106		70-130	4		20
tert-Butylbenzene	ND	250	220	86		220	90		70-130	0		20
o-Chlorotoluene	ND	250	260	106		270	110		70-130	4		20
p-Chlorotoluene	ND	250	250	102		260	105		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	250	250	100		260	105		41-144	4		20
Hexachlorobutadiene	ND	250	200	81		210	84		63-130	5		20
Isopropylbenzene	ND	250	240	96		250	99		70-130	4		20
p-Isopropyltoluene	ND	250	250	102		260	106		70-130	4		20
Naphthalene	1600	250	1800	**65**	Q	1800	**62**	Q	70-130	0		20
n-Propylbenzene	ND	250	240	94		240	98		69-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 QC Batch ID: WG782041-4 WG782041-5 QC Sample: L1508596-07 Client ID: MW-8R												
1,2,3-Trichlorobenzene	ND	250	230	94		250	100		70-130	8		20
1,2,4-Trichlorobenzene	ND	250	250	100		260	104		70-130	4		20
1,3,5-Trimethylbenzene	ND	250	270	110		280	114		64-130	4		20
1,2,4-Trimethylbenzene	ND	250	260	103		270	108		70-130	4		20
1,4-Dioxane	ND	12500	13000	101		17000	140		56-162	**27**	Q	20
p-Diethylbenzene	ND	250	230	92		240	98		70-130	4		20
p-Ethyltoluene	ND	250	250	100		260	104		70-130	4		20
1,2,4,5-Tetramethylbenzene	ND	250	210	86		220	90		70-130	5		20
Ethyl ether	ND	250	250	99		260	104		59-134	4		20
trans-1,4-Dichloro-2-butene	ND	250	240	96		250	99		70-130	4		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	106		106		70-130
Toluene-d8	103		103		70-130

SEMIVOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01
Client ID: MW-13
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 19:34
Analyst: MW

Date Collected: 04/24/15 09:30
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	9.7		ug/l	0.80	0.26	4
2-Chloronaphthalene	ND		ug/l	0.80	0.26	4
Fluoranthene	58		ug/l	0.80	0.17	4
Hexachlorobutadiene	ND		ug/l	2.0	0.28	4
Naphthalene	1.1		ug/l	0.80	0.26	4
Benzo(a)anthracene	40		ug/l	0.80	0.23	4
Benzo(a)pyrene	38		ug/l	0.80	0.28	4
Benzo(b)fluoranthene	53		ug/l	0.80	0.28	4
Benzo(k)fluoranthene	21		ug/l	0.80	0.27	4
Chrysene	43		ug/l	0.80	0.20	4
Acenaphthylene	0.29	J	ug/l	0.80	0.20	4
Anthracene	7.2		ug/l	0.80	0.25	4
Benzo(ghi)perylene	26		ug/l	0.80	0.28	4
Fluorene	5.9		ug/l	0.80	0.23	4
Phenanthrene	28		ug/l	0.80	0.26	4
Dibenzo(a,h)anthracene	8.0		ug/l	0.80	0.29	4
Indeno(1,2,3-cd)Pyrene	23		ug/l	0.80	0.32	4
Pyrene	50		ug/l	0.80	0.23	4
2-Methylnaphthalene	ND		ug/l	0.80	0.24	4
Pentachlorophenol	ND		ug/l	3.2	0.75	4
Hexachlorobenzene	ND		ug/l	3.2	0.06	4
Hexachloroethane	ND		ug/l	3.2	0.26	4

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01 Date Collected: 04/24/15 09:30

Client ID: MW-13 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	66		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01 D
Client ID: MW-13
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 20:37
Analyst: RC

Date Collected: 04/24/15 09:30
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	1.0	5
Bis(2-chloroethyl)ether	ND		ug/l	10	2.0	5
1,2-Dichlorobenzene	ND		ug/l	10	1.5	5
1,3-Dichlorobenzene	ND		ug/l	10	1.8	5
1,4-Dichlorobenzene	ND		ug/l	10	1.6	5
3,3'-Dichlorobenzidine	ND		ug/l	25	2.4	5
2,4-Dinitrotoluene	ND		ug/l	25	5.2	5
2,6-Dinitrotoluene	ND		ug/l	25	4.4	5
4-Chlorophenyl phenyl ether	ND		ug/l	10	1.8	5
4-Bromophenyl phenyl ether	ND		ug/l	10	2.1	5
Bis(2-chloroisopropyl)ether	ND		ug/l	10	3.0	5
Bis(2-chloroethoxy)methane	ND		ug/l	25	3.0	5
Hexachlorocyclopentadiene	ND		ug/l	100	2.9	5
Isophorone	ND		ug/l	25	3.9	5
Nitrobenzene	ND		ug/l	10	2.0	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	10	1.7	5
n-Nitrosodi-n-propylamine	ND		ug/l	25	3.2	5
Bis(2-Ethylhexyl)phthalate	ND		ug/l	15	4.6	5
Butyl benzyl phthalate	ND		ug/l	25	5.6	5
Di-n-butylphthalate	ND		ug/l	25	3.8	5
Di-n-octylphthalate	ND		ug/l	25	6.0	5
Diethyl phthalate	ND		ug/l	25	2.0	5
Dimethyl phthalate	ND		ug/l	25	1.7	5
Biphenyl	ND		ug/l	10	1.2	5
4-Chloroaniline	ND		ug/l	25	4.2	5
2-Nitroaniline	ND		ug/l	25	4.8	5
3-Nitroaniline	ND		ug/l	25	3.3	5
4-Nitroaniline	ND		ug/l	25	4.2	5
Dibenzofuran	3.2	J	ug/l	10	1.1	5
1,2,4,5-Tetrachlorobenzene	ND		ug/l	50	1.8	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-01 D
Client ID: MW-13
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 09:30
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	25	2.1	5
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	5
P-Chloro-M-Cresol	ND		ug/l	10	2.7	5
2-Chlorophenol	ND		ug/l	10	2.9	5
2,4-Dichlorophenol	ND		ug/l	25	2.8	5
2,4-Dimethylphenol	ND		ug/l	25	2.9	5
2-Nitrophenol	ND		ug/l	50	5.2	5
4-Nitrophenol	ND		ug/l	50	5.4	5
2,4-Dinitrophenol	ND		ug/l	100	7.0	5
4,6-Dinitro-o-cresol	ND		ug/l	50	6.8	5
Phenol	ND		ug/l	25	1.4	5
2-Methylphenol	ND		ug/l	25	3.5	5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	5
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	5
Benzoic Acid	ND		ug/l	250	5.0	5
Benzyl Alcohol	ND		ug/l	10	3.4	5
Carbazole	25		ug/l	10	1.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**15**	Q	21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	29		10-120
4-Terphenyl-d14	88		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02
Client ID: MW-6R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 21:05
Analyst: RC

Date Collected: 04/24/15 10:05
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02 Date Collected: 04/24/15 10:05

Client ID: MW-6R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	101		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02
Client ID: MW-6R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 19:10
Analyst: MW

Date Collected: 04/24/15 10:05
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.18	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.11	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.15	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.12	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.07	J	ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.13	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.15	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-02 Date Collected: 04/24/15 10:05

Client ID: MW-6R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	73		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 21:32
Analyst: RC

Date Collected: 04/24/15 11:25
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	5.1		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03 Date Collected: 04/24/15 11:25

Client ID: MW-7R-2 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	3.5	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	100		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	82		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03 D
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 20:48
Analyst: MW

Date Collected: 04/24/15 11:25
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/15 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	20		ug/l	0.40	0.13	2
2-Chloronaphthalene	ND		ug/l	0.40	0.13	2
Fluoranthene	19		ug/l	0.40	0.09	2
Hexachlorobutadiene	ND		ug/l	1.0	0.14	2
Naphthalene	4.6		ug/l	0.40	0.13	2
Benzo(a)anthracene	7.1		ug/l	0.40	0.11	2
Benzo(a)pyrene	5.3		ug/l	0.40	0.14	2
Benzo(b)fluoranthene	7.2		ug/l	0.40	0.14	2
Benzo(k)fluoranthene	2.8		ug/l	0.40	0.14	2
Chrysene	7.6		ug/l	0.40	0.10	2
Acenaphthylene	ND		ug/l	0.40	0.10	2
Anthracene	6.3		ug/l	0.40	0.13	2
Benzo(ghi)perylene	3.1		ug/l	0.40	0.14	2
Fluorene	10		ug/l	0.40	0.11	2
Phenanthrene	28		ug/l	0.40	0.13	2
Dibenzo(a,h)anthracene	0.93		ug/l	0.40	0.15	2
Indeno(1,2,3-cd)Pyrene	2.7		ug/l	0.40	0.16	2
Pyrene	15		ug/l	0.40	0.11	2
2-Methylnaphthalene	1.7		ug/l	0.40	0.12	2
Pentachlorophenol	ND		ug/l	1.6	0.37	2
Hexachlorobenzene	ND		ug/l	1.6	0.03	2
Hexachloroethane	ND		ug/l	1.6	0.13	2

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-03 D
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 11:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	70		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04
Client ID: MW-3R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 22:00
Analyst: PS

Date Collected: 04/24/15 12:50
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	1.2	J	ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04 Date Collected: 04/24/15 12:50

Client ID: MW-3R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	3.0		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**16**	Q	21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	15		10-120
4-Terphenyl-d14	87		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04
Client ID: MW-3R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/01/15 11:57
Analyst: KV

Date Collected: 04/24/15 12:50
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.9		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	13		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.3		ug/l	0.20	0.06	1
Benzo(a)anthracene	7.0		ug/l	0.20	0.06	1
Benzo(a)pyrene	5.2		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	9.4		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	3.5		ug/l	0.20	0.07	1
Chrysene	7.1		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	2.4		ug/l	0.20	0.06	1
Benzo(ghi)perylene	3.8		ug/l	0.20	0.07	1
Fluorene	3.1		ug/l	0.20	0.06	1
Phenanthrene	10		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.98		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	3.3		ug/l	0.20	0.08	1
Pyrene	11		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.07	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-04 Date Collected: 04/24/15 12:50

Client ID: MW-3R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	80		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05
Client ID: MW-12
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 22:28
Analyst: PS

Date Collected: 04/24/15 11:30
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05 Date Collected: 04/24/15 11:30

Client ID: MW-12 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	82		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05
Client ID: MW-12
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 21:12
Analyst: KV

Date Collected: 04/24/15 11:30
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.14	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-05 Date Collected: 04/24/15 11:30

Client ID: MW-12 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	62		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 22:56
Analyst: PS

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	14		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	55		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 Date Collected: 04/24/15 14:25

Client ID: MW-2R-2 Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	2.2	J	ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	8.9		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	62		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	85		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID:	L1508596-06	D2	Date Collected:	04/24/15 14:25
Client ID:	MW-2R-2		Date Received:	04/24/15
Sample Location:	170 ROUTE 303		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	04/29/15 00:42
Analytical Date:	05/01/15 12:45			
Analyst:	KV			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	220		ug/l	20	6.4	100
Naphthalene	850		ug/l	20	6.4	100

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 D
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/01/15 12:21
Analyst: KV

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	220	E	ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	24		ug/l	1.0	0.22	5
Hexachlorobutadiene	ND		ug/l	2.5	0.36	5
Naphthalene	590	E	ug/l	1.0	0.32	5
Benzo(a)anthracene	9.4		ug/l	1.0	0.28	5
Benzo(a)pyrene	7.4		ug/l	1.0	0.34	5
Benzo(b)fluoranthene	11		ug/l	1.0	0.36	5
Benzo(k)fluoranthene	4.1		ug/l	1.0	0.34	5
Chrysene	10		ug/l	1.0	0.24	5
Acenaphthylene	ND		ug/l	1.0	0.25	5
Anthracene	13		ug/l	1.0	0.32	5
Benzo(ghi)perylene	4.8		ug/l	1.0	0.35	5
Fluorene	55		ug/l	1.0	0.28	5
Phenanthrene	56		ug/l	1.0	0.32	5
Dibenzo(a,h)anthracene	1.4		ug/l	1.0	0.36	5
Indeno(1,2,3-cd)Pyrene	4.0		ug/l	1.0	0.40	5
Pyrene	18		ug/l	1.0	0.28	5
2-Methylnaphthalene	77		ug/l	1.0	0.30	5
Pentachlorophenol	ND		ug/l	4.0	0.94	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-06 D
Client ID: MW-2R-2
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 14:25
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	67		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07
Client ID: MW-8R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 23:24
Analyst: PS

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	19		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	78		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 Date Collected: 04/24/15 13:03

Client ID: MW-8R Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	30		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	2.6	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	92		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	85		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1508596
Project Number: ORANGEBURG COMMO
Report Date: 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D2
Client ID: MW-8R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/30/15 19:01
Analyst: KV

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	700		ug/l	20	6.4	100
Naphthalene	1800		ug/l	20	6.4	100

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/30/15 18:26
Analyst: KV

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	660	E	ug/l	4.0	1.3	20
2-Chloronaphthalene	ND		ug/l	4.0	1.3	20
Fluoranthene	17		ug/l	4.0	0.86	20
Hexachlorobutadiene	ND		ug/l	10	1.4	20
Naphthalene	1400	E	ug/l	4.0	1.3	20
Benzo(a)anthracene	1.6	J	ug/l	4.0	1.1	20
Benzo(a)pyrene	ND		ug/l	4.0	1.4	20
Benzo(b)fluoranthene	ND		ug/l	4.0	1.4	20
Benzo(k)fluoranthene	ND		ug/l	4.0	1.4	20
Chrysene	1.6	J	ug/l	4.0	0.98	20
Acenaphthylene	ND		ug/l	4.0	1.0	20
Anthracene	19		ug/l	4.0	1.3	20
Benzo(ghi)perylene	ND		ug/l	4.0	1.4	20
Fluorene	170		ug/l	4.0	1.1	20
Phenanthrene	150		ug/l	4.0	1.3	20
Dibenzo(a,h)anthracene	ND		ug/l	4.0	1.5	20
Indeno(1,2,3-cd)Pyrene	ND		ug/l	4.0	1.6	20
Pyrene	11		ug/l	4.0	1.1	20
2-Methylnaphthalene	310		ug/l	4.0	1.2	20
Pentachlorophenol	ND		ug/l	16	3.7	20
Hexachlorobenzene	ND		ug/l	16	0.28	20
Hexachloroethane	ND		ug/l	16	1.3	20

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-07 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303

Date Collected: 04/24/15 13:03
Date Received: 04/24/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/15 23:52
Analyst: JB

Date Collected: 04/24/15 14:10
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08 Date Collected: 04/24/15 14:10

Client ID: FIELD BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	73		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/02/15 23:39
Analyst: KV

Date Collected: 04/24/15 14:10
Date Received: 04/24/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1508596

Project Number: ORANGEBURG COMMO **Report Date:** 05/05/15

SAMPLE RESULTS

Lab ID: L1508596-08 Date Collected: 04/24/15 14:10

Client ID: FIELD BLANK Date Received: 04/24/15

Sample Location: 170 ROUTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	76		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 10:33
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 05:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG779766-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
1-Methylnaphthalene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 10:33
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 05:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG779766-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	74		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 12:37
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG779785-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Benzidine	ND		ug/l	20	5.2
n-Nitrosodimethylamine	ND		ug/l	2.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Azobenzene	ND		ug/l	2.0	0.54
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 12:37
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG779785-1					
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
Aniline	ND		ug/l	2.0	0.55
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 12:37
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG779785-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Pyridine	ND		ug/l	5.0	0.31
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59
Tentatively Identified Compounds					
Unknown	22	J	ug/l		

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 12:37
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/28/15 06:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG779785-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	76		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/15 16:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG780112-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/15 16:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG780112-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	89		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 13:03
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-07 Batch: WG780113-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/15 13:03
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/29/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-07 Batch: WG780113-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	78		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/04/15 10:16
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG781180-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	3.2		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/04/15 10:16
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG781180-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	85		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/02/15 21:13
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG781183-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.08	J	ug/l	0.80	0.07

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1508596
Report Date: 05/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/02/15 21:13
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 05/01/15 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG781183-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	76		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG779766-2 WG779766-3								
Acenaphthene	78		68		37-111	14		40
2-Chloronaphthalene	79		69		40-140	14		40
Fluoranthene	85		74		40-140	14		40
Hexachlorobutadiene	64		55		40-140	15		40
Naphthalene	73		64		40-140	13		40
Benzo(a)anthracene	91		78		40-140	15		40
Benzo(a)pyrene	89		78		40-140	13		40
Benzo(b)fluoranthene	90		77		40-140	16		40
Benzo(k)fluoranthene	86		75		40-140	14		40
Chrysene	87		76		40-140	13		40
Acenaphthylene	80		69		40-140	15		40
Anthracene	84		74		40-140	13		40
Benzo(ghi)perylene	91		80		40-140	13		40
Fluorene	84		73		40-140	14		40
Phenanthrene	85		74		40-140	14		40
Dibenzo(a,h)anthracene	89		78		40-140	13		40
Indeno(1,2,3-cd)Pyrene	91		80		40-140	13		40
Pyrene	84		74		26-127	13		40
1-Methylnaphthalene	76		65		40-140	16		40
2-Methylnaphthalene	80		70		40-140	13		40
Pentachlorophenol	93		79		9-103	16		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG779766-2 WG779766-3								
Hexachlorobenzene	79		70		40-140	12		40
Hexachloroethane	69		59		40-140	16		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		33		21-120
Phenol-d6	27		23		10-120
Nitrobenzene-d5	88		77		23-120
2-Fluorobiphenyl	77		68		15-120
2,4,6-Tribromophenol	84		74		10-120
4-Terphenyl-d14	78		71		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG779785-2 WG779785-3								
Acenaphthene	62		71		37-111	14		30
1,2,4-Trichlorobenzene	53		58		39-98	9		30
Benzidine	15		35		10-66	**80**	Q	30
n-Nitrosodimethylamine	34		36		22-100	6		30
Hexachlorobenzene	76		84		40-140	10		30
Bis(2-chloroethyl)ether	69		74		40-140	7		30
2-Chloronaphthalene	60		67		40-140	11		30
1,2-Dichlorobenzene	52		55		40-140	6		30
1,3-Dichlorobenzene	50		52		40-140	4		30
1,4-Dichlorobenzene	48		54		36-97	12		30
3,3'-Dichlorobenzidine	69		74		40-140	7		30
2,4-Dinitrotoluene	78		86		24-96	10		30
2,6-Dinitrotoluene	76		89		40-140	16		30
Azobenzene	69		75		40-140	8		30
Fluoranthene	81		88		40-140	8		30
4-Chlorophenyl phenyl ether	74		81		40-140	9		30
4-Bromophenyl phenyl ether	80		89		40-140	11		30
Bis(2-chloroisopropyl)ether	62		68		40-140	9		30
Bis(2-chloroethoxy)methane	73		78		40-140	7		30
Hexachlorobutadiene	54		60		40-140	11		30
Hexachlorocyclopentadiene	44		46		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG779785-2 WG779785-3								
Hexachloroethane	45		47		40-140	4		30
Isophorone	74		79		40-140	7		30
Naphthalene	57		64		40-140	12		30
Nitrobenzene	69		77		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	72		81		40-140	12		30
n-Nitrosodi-n-propylamine	71		75		29-132	5		30
Bis(2-Ethylhexyl)phthalate	71		75		40-140	5		30
Butyl benzyl phthalate	74		81		40-140	9		30
Di-n-butylphthalate	78		84		40-140	7		30
Di-n-octylphthalate	68		72		40-140	6		30
Diethyl phthalate	77		83		40-140	8		30
Dimethyl phthalate	78		85		40-140	9		30
Benzo(a)anthracene	77		83		40-140	8		30
Benzo(a)pyrene	77		83		40-140	8		30
Benzo(b)fluoranthene	83		86		40-140	4		30
Benzo(k)fluoranthene	78		82		40-140	5		30
Chrysene	79		83		40-140	5		30
Acenaphthylene	68		77		45-123	12		30
Anthracene	76		81		40-140	6		30
Benzo(ghi)perylene	77		80		40-140	4		30
Fluorene	71		80		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG779785-2 WG779785-3								
Phenanthrene	77		83		40-140	8		30
Dibenzo(a,h)anthracene	78		83		40-140	6		30
Indeno(1,2,3-cd)Pyrene	79		81		40-140	3		30
Pyrene	81		88		26-127	8		30
Biphenyl	59		66		54-104	11		30
Aniline	41		50		40-140	20		30
4-Chloroaniline	67		74		40-140	10		30
2-Nitroaniline	78		86		52-143	10		30
3-Nitroaniline	57		62		25-145	8		30
4-Nitroaniline	69		78		51-143	12		30
Dibenzofuran	66		76		40-140	14		30
2-Methylnaphthalene	58		64		40-140	10		30
1,2,4,5-Tetrachlorobenzene	56		62		2-134	10		30
Acetophenone	74		77		39-129	4		30
2,4,6-Trichlorophenol	81		88		30-130	8		30
P-Chloro-M-Cresol	70		79		23-97	12		30
2-Chlorophenol	57		62		27-123	8		30
2,4-Dichlorophenol	72		79		30-130	9		30
2,4-Dimethylphenol	42		72		30-130	**53**	Q	30
2-Nitrophenol	66		74		30-130	11		30
4-Nitrophenol	34		38		10-80	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG779785-2 WG779785-3								
2,4-Dinitrophenol	74		85		20-130	14		30
4,6-Dinitro-o-cresol	78		89		20-164	13		30
Pentachlorophenol	66		79		9-103	18		30
Phenol	21		24		12-110	13		30
2-Methylphenol	47		57		30-130	19		30
3-Methylphenol/4-Methylphenol	48		54		30-130	12		30
2,4,5-Trichlorophenol	79		88		30-130	11		30
Benzoic Acid	17		17		10-110	0		30
Benzyl Alcohol	52		54		15-110	4		30
Carbazole	76		82		55-144	8		30
Pyridine	26		33		10-66	24		30
Benzaldehyde	69		80		40-140	15		30
Caprolactam	16		19		10-130	17		30
Atrazine	83		88		40-140	6		30
2,3,4,6-Tetrachlorophenol	79		93		54-145	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG779785-2 WG779785-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		36		21-120
Phenol-d6	23		25		10-120
Nitrobenzene-d5	66		73		23-120
2-Fluorobiphenyl	71		78		15-120
2,4,6-Tribromophenol	74		83		10-120
4-Terphenyl-d14	81		86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG780112-2 WG780112-3								
1,2,4-Trichlorobenzene	83		80		39-98	4		30
Bis(2-chloroethyl)ether	90		82		40-140	9		30
1,2-Dichlorobenzene	84		78		40-140	7		30
1,3-Dichlorobenzene	81		77		40-140	5		30
1,4-Dichlorobenzene	82		77		36-97	6		30
3,3'-Dichlorobenzidine	47		72		40-140	**42**	Q	30
2,4-Dinitrotoluene	**98**	Q	94		24-96	4		30
2,6-Dinitrotoluene	100		94		40-140	6		30
4-Chlorophenyl phenyl ether	93		89		40-140	4		30
4-Bromophenyl phenyl ether	98		91		40-140	7		30
Bis(2-chloroisopropyl)ether	91		85		40-140	7		30
Bis(2-chloroethoxy)methane	96		91		40-140	5		30
Hexachlorocyclopentadiene	92		89		40-140	3		30
Isophorone	94		90		40-140	4		30
Nitrobenzene	93		86		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	87		87		40-140	0		30
n-Nitrosodi-n-propylamine	94		88		29-132	7		30
Bis(2-Ethylhexyl)phthalate	100		100		40-140	0		30
Butyl benzyl phthalate	101		96		40-140	5		30
Di-n-butylphthalate	100		93		40-140	7		30
Di-n-octylphthalate	102		100		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG780112-2 WG780112-3								
Diethyl phthalate	97		91		40-140	6		30
Dimethyl phthalate	96		90		40-140	6		30
Biphenyl	91		85		54-104	7		30
4-Chloroaniline	**14**	Q	56		40-140	**120**	Q	30
2-Nitroaniline	101		96		52-143	5		30
3-Nitroaniline	50		59		25-145	17		30
4-Nitroaniline	80		76		51-143	5		30
Dibenzofuran	92		89		40-140	3		30
1,2,4,5-Tetrachlorobenzene	85		82		2-134	4		30
Acetophenone	93		88		39-129	6		30
2,4,6-Trichlorophenol	91		88		30-130	3		30
P-Chloro-M-Cresol	92		81		23-97	13		30
2-Chlorophenol	86		72		27-123	18		30
2,4-Dichlorophenol	93		85		30-130	9		30
2,4-Dimethylphenol	**16**	Q	42		30-130	**90**	Q	30
2-Nitrophenol	92		84		30-130	9		30
4-Nitrophenol	60		35		10-80	**53**	Q	30
2,4-Dinitrophenol	90		79		20-130	13		30
4,6-Dinitro-o-cresol	97		90		20-164	7		30
Phenol	44		28		12-110	**44**	Q	30
2-Methylphenol	67		58		30-130	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG780112-2 WG780112-3								
3-Methylphenol/4-Methylphenol	71		54		30-130	27		30
2,4,5-Trichlorophenol	95		87		30-130	9		30
Benzoic Acid	26		20		10-110	26		30
Benzyl Alcohol	63		58		15-110	8		30
Carbazole	98		93		55-144	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		40		21-120
Phenol-d6	47		27		10-120
Nitrobenzene-d5	86		82		23-120
2-Fluorobiphenyl	87		84		15-120
2,4,6-Tribromophenol	87		89		10-120
4-Terphenyl-d14	96		91		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-07 Batch: WG780113-2 WG780113-3								
Acenaphthene	69		70		37-111	1		40
2-Chloronaphthalene	71		73		40-140	3		40
Fluoranthene	68		70		40-140	3		40
Hexachlorobutadiene	63		64		40-140	2		40
Naphthalene	67		69		40-140	3		40
Benzo(a)anthracene	70		74		40-140	6		40
Benzo(a)pyrene	70		74		40-140	6		40
Benzo(b)fluoranthene	69		70		40-140	1		40
Benzo(k)fluoranthene	64		71		40-140	10		40
Chrysene	65		68		40-140	5		40
Acenaphthylene	73		76		40-140	4		40
Anthracene	73		75		40-140	3		40
Benzo(ghi)perylene	70		74		40-140	6		40
Fluorene	73		76		40-140	4		40
Phenanthrene	71		75		40-140	5		40
Dibenzo(a,h)anthracene	68		71		40-140	4		40
Indeno(1,2,3-cd)Pyrene	70		74		40-140	6		40
Pyrene	67		69		26-127	3		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	71		73		9-103	3		40
Hexachlorobenzene	69		72		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-07 Batch: WG780113-2 WG780113-3								
Hexachloroethane	69		69		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		34		21-120
Phenol-d6	22		23		10-120
Nitrobenzene-d5	78		80		23-120
2-Fluorobiphenyl	66		68		15-120
2,4,6-Tribromophenol	71		73		10-120
4-Terphenyl-d14	61		62		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG781180-2 WG781180-3								
1,2,4-Trichlorobenzene	68		60		39-98	13		30
Bis(2-chloroethyl)ether	73		67		40-140	9		30
1,2-Dichlorobenzene	66		58		40-140	13		30
1,3-Dichlorobenzene	61		54		40-140	12		30
1,4-Dichlorobenzene	63		56		36-97	12		30
3,3'-Dichlorobenzidine	86		88		40-140	2		30
2,4-Dinitrotoluene	92		86		24-96	7		30
2,6-Dinitrotoluene	84		81		40-140	4		30
4-Chlorophenyl phenyl ether	88		82		40-140	7		30
4-Bromophenyl phenyl ether	88		82		40-140	7		30
Bis(2-chloroisopropyl)ether	77		70		40-140	10		30
Bis(2-chloroethoxy)methane	79		72		40-140	9		30
Hexachlorocyclopentadiene	62		55		40-140	12		30
Isophorone	88		81		40-140	8		30
Nitrobenzene	95		85		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	88		82		40-140	7		30
n-Nitrosodi-n-propylamine	87		79		29-132	10		30
Bis(2-Ethylhexyl)phthalate	98		98		40-140	0		30
Butyl benzyl phthalate	101		95		40-140	6		30
Di-n-butylphthalate	104		96		40-140	8		30
Di-n-octylphthalate	85		80		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG781180-2 WG781180-3								
Diethyl phthalate	95		88		40-140	8		30
Dimethyl phthalate	93		86		40-140	8		30
Biphenyl	81		72		54-104	12		30
4-Chloroaniline	75		72		40-140	4		30
2-Nitroaniline	90		86		52-143	5		30
3-Nitroaniline	70		68		25-145	3		30
4-Nitroaniline	81		81		51-143	0		30
Dibenzofuran	90		81		40-140	11		30
1,2,4,5-Tetrachlorobenzene	79		71		2-134	11		30
Acetophenone	84		77		39-129	9		30
2,4,6-Trichlorophenol	96		93		30-130	3		30
P-Chloro-M-Cresol	**98**	Q	94		23-97	4		30
2-Chlorophenol	77		72		27-123	7		30
2,4-Dichlorophenol	90		84		30-130	7		30
2,4-Dimethylphenol	68		72		30-130	6		30
2-Nitrophenol	92		86		30-130	7		30
4-Nitrophenol	67		60		10-80	11		30
2,4-Dinitrophenol	113		110		20-130	3		30
4,6-Dinitro-o-cresol	102		98		20-164	4		30
Phenol	37		35		12-110	6		30
2-Methylphenol	67		63		30-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG781180-2 WG781180-3								
3-Methylphenol/4-Methylphenol	68		63		30-130	8		30
2,4,5-Trichlorophenol	94		91		30-130	3		30
Benzoic Acid	65		43		10-110	**41**	Q	30
Benzyl Alcohol	77		69		15-110	11		30
Carbazole	87		81		55-144	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		48		21-120
Phenol-d6	40		37		10-120
Nitrobenzene-d5	105		96		23-120
2-Fluorobiphenyl	86		81		15-120
2,4,6-Tribromophenol	87		82		10-120
4-Terphenyl-d14	92		88		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG781183-2 WG781183-3								
Acenaphthene	77		77		37-111	0		40
2-Chloronaphthalene	80		80		40-140	0		40
Fluoranthene	80		80		40-140	0		40
Hexachlorobutadiene	69		72		40-140	4		40
Naphthalene	74		76		40-140	3		40
Benzo(a)anthracene	91		91		40-140	0		40
Benzo(a)pyrene	92		91		40-140	1		40
Benzo(b)fluoranthene	86		87		40-140	1		40
Benzo(k)fluoranthene	88		85		40-140	3		40
Chrysene	86		86		40-140	0		40
Acenaphthylene	83		83		40-140	0		40
Anthracene	84		84		40-140	0		40
Benzo(ghi)perylene	92		92		40-140	0		40
Fluorene	84		83		40-140	1		40
Phenanthrene	85		84		40-140	1		40
Dibenzo(a,h)anthracene	88		88		40-140	0		40
Indeno(1,2,3-cd)Pyrene	91		91		40-140	0		40
Pyrene	79		79		26-127	0		40
2-Methylnaphthalene	81		82		40-140	1		40
Pentachlorophenol	88		89		9-103	1		40
Hexachlorobenzene	88		88		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1508596

Report Date: 05/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG781183-2 WG781183-3								
Hexachloroethane	74		79		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		52		21-120
Phenol-d6	40		37		10-120
Nitrobenzene-d5	89		86		23-120
2-Fluorobiphenyl	76		72		15-120
2,4,6-Tribromophenol	90		82		10-120
4-Terphenyl-d14	77		70		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG780112-4 WG780112-5 QC Sample: L1508596-07 Client ID: MW-8R												
1,2,4-Trichlorobenzene	ND	40	27	68		28	70		39-98	4		30
Bis(2-chloroethyl)ether	ND	40	28	70		28	70		40-140	0		30
1,2-Dichlorobenzene	ND	40	26	65		27	68		40-140	4		30
1,3-Dichlorobenzene	ND	40	24	60		26	65		40-140	8		30
1,4-Dichlorobenzene	ND	40	25	63		26	65		36-97	4		30
3,3'-Dichlorobenzidine	ND	40	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	40	36	90		38	95		24-96	5		30
2,6-Dinitrotoluene	ND	40	36	90		38	95		40-140	5		30
4-Chlorophenyl phenyl ether	ND	40	31	78		31	78		40-140	0		30
4-Bromophenyl phenyl ether	ND	40	33	83		33	83		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	40	28	70		27	68		40-140	4		30
Bis(2-chloroethoxy)methane	ND	40	32	80		32	80		40-140	0		30
Hexachlorocyclopentadiene	ND	40	25	63		26	65		40-140	4		30
Isophorone	ND	40	34	85		33	83		40-140	3		30
Nitrobenzene	ND	40	34	85		36	90		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	34	85		33	83		40-140	3		30
n-Nitrosodi-n-propylamine	ND	40	32	80		32	80		29-132	0		30
Bis(2-Ethylhexyl)phthalate	ND	40	34	85		35	88		40-140	3		30
Butyl benzyl phthalate	ND	40	37	93		38	95		40-140	3		30
Di-n-butylphthalate	ND	40	37	93		37	93		40-140	0		30
Di-n-octylphthalate	ND	40	36	90		37	93		40-140	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG780112-4 WG780112-5 QC Sample: L1508596-07 Client ID: MW-8R												
Diethyl phthalate	ND	40	34	85		34	85		40-140	0		30
Dimethyl phthalate	ND	40	34	85		34	85		40-140	0		30
Biphenyl	19	40	44	63		47	70		54-104	7		30
4-Chloroaniline	ND	40	14	**35**	Q	13	**33**	Q	40-140	7		30
2-Nitroaniline	ND	40	38	95		39	98		52-143	3		30
3-Nitroaniline	ND	40	36	90		38	95		25-145	5		30
4-Nitroaniline	ND	40	12	**30**	Q	13	**33**	Q	51-143	8		30
Dibenzofuran	78	40	96	45		100	55		40-140	4		30
1,2,4,5-Tetrachlorobenzene	ND	40	27	68		28	70		2-134	4		30
Acetophenone	ND	40	32	80		32	80		39-129	0		30
2,4,6-Trichlorophenol	ND	40	36	90		35	88		30-130	3		30
P-Chloro-M-Cresol	ND	40	34	85		33	83		23-97	3		30
2-Chlorophenol	ND	40	26	65		25	63		27-123	4		30
2,4-Dichlorophenol	ND	40	32	80		31	78		30-130	3		30
2,4-Dimethylphenol	30	40	53	58		56	65		30-130	6		30
2-Nitrophenol	ND	40	34	85		36	90		30-130	6		30
4-Nitrophenol	ND	40	22	55		18	45		10-80	20		30
2,4-Dinitrophenol	ND	40	40	100		44	110		20-130	10		30
4,6-Dinitro-o-cresol	ND	40	40	100		43	110		20-164	7		30
Phenol	ND	40	11	28		10	25		12-110	10		30
2-Methylphenol	ND	40	24	60		23	58		30-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG780112-4 WG780112-5 QC Sample: L1508596-07 Client ID: MW-8R												
3-Methylphenol/4-Methylphenol	2.6J	40	24	60		23	58		30-130	4		30
2,4,5-Trichlorophenol	ND	40	36	90		36	90		30-130	0		30
Benzoic Acid	ND	40	20J	50		20.J	50		10-110	0		30
Benzyl Alcohol	ND	40	23	58		21	53		15-110	9		30
Carbazole	92	40	110	**45**	Q	120	70		55-144	9		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	90		87		10-120
2-Fluorobiphenyl	79		78		15-120
2-Fluorophenol	36		35		21-120
4-Terphenyl-d14	83		83		41-149
Nitrobenzene-d5	93		95		23-120
Phenol-d6	27		24		10-120

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508596-01A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-01B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-01C	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-01D	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-01E	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-02A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-02B	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-02C	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-02D	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-02E	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-03A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-03B	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-03C	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-03D	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-03E	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-04A	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-04B	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-04C	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-04D	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-04E	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-05A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1508596
Report Date: 05/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508596-05B	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-05C	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-05D	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-05E	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-06A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-06B	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-06C	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-06D	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-06E	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-07A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-07A1	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-07B	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-07B1	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-07C	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1508596-07C1	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1508596-07D	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-07D1	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-07E	Amber 1000ml unpreserved	C	7	5.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-07E1	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-08A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-08B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-08C	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1508596-08D	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-08E	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1508596-09A	Vial HCl preserved	C	N/A	5.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508596
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/05/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508596
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/05/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1508596
Project Number:	ORANGEBURG COMMONS	**Report Date:**	05/05/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4-24-15

ALPHA Job #: L1506596

Project Information

Project Name: Orangeburg Common
Project Location: 170 Route 303
Project #: Orangeburg Commons
(Use Project name as Project #) ☒
Project Manager: Matthew Carroll
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date: 5-5-15
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Tenen Environmental
Address: 121 W 27th Street
New York, NY, 10001
Phone: 646-606-2332
Fax:
Email: mcarroll@tenen-env.com

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8270	NYTCL-8260	Total Bottle	Sample Specific Comments
06596-01	MW-13	4/24/15	0930	W	KM	X	X		
-02	MW-6R		1005	W	KM	X	X		
-03	MW-7R-2		1125	W	KM	X	X		
-04	MW-3R		1250	W	KM	X	X		
-05	MW-12		1130	W	KM	X	X		
-06	MW-2R-2		1425	W	KM	X	X		
-07	MW-8R		1303	W	KM	X	X		
-08	Field blank		1410	W	KM	X	X		
-09	MS/MSD		1340	W	KM	X	X		
-10	TRIP BLANK	—	—	W	~~KM~~ (a)		X		

Container Type	A	V
Preservative	A	B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	4/24/15 1630		4/24/15 16:30
	4-24-15 1850	Tom Tenen	4-24-15 1851
Tom Tenen	4-24-15		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1518686
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 303 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG COMMONS
Project Number:	Not Specified
Report Date:	08/17/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518686-01	MW-13	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 08:25	08/06/15
L1518686-02	MW-6R	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 09:10	08/06/15
L1518686-03	MW-3	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 11:35	08/06/15
L1518686-04	MW-2R2	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 15:05	08/06/15
L1518686-05	FIELD BLANK	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 14:40	08/06/15
L1518686-06	MW-8R	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 15:10	08/06/15
L1518686-07	DUPLICATE	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 00:00	08/06/15
L1518686-08	MW-12	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 10:24	08/06/15
L1518686-09	MW-7R2	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 12:10	08/06/15
L1518686-10	TRIP BLANK	WATER	170 NY 303 ORANGEBURG COMMONS	08/06/15 00:00	08/06/15

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686
Project Number: Not Specified **Report Date:** 08/17/15

Case Narrative (continued)

Report Submission

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

Sample Receipt

A Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed.

Volatile Organics

L1518686-05: The Field Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG812256-5 MSD recovery, performed on L1518686-06, is below the acceptance criteria for 2,2-dichloropropane (8%); however, the associated LCS/LCSD recoveries are within overall method allowances.

Semivolatile Organics by SIM

A Matrix Spike/Matrix Spike Duplicate was not performed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

L1518686-06: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/17/15

ORGANICS

VOLATILES

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01
Client ID: MW-13
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 10:38
Analyst: PD

Date Collected: 08/06/15 08:25
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01 Date Collected: 08/06/15 08:25

Client ID: MW-13 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.89	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01 Date Collected: 08/06/15 08:25

Client ID: MW-13 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02
Client ID: MW-6R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 11:08
Analyst: PD

Date Collected: 08/06/15 09:10
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02 Date Collected: 08/06/15 09:10

Client ID: MW-6R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02 Date Collected: 08/06/15 09:10

Client ID: MW-6R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03
Client ID: MW-3
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 11:39
Analyst: PD

Date Collected: 08/06/15 11:35
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03 Date Collected: 08/06/15 11:35

Client ID: MW-3 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03 Date Collected: 08/06/15 11:35

Client ID: MW-3 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D
Client ID: MW-2R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/15 21:02
Analyst: PD

Date Collected: 08/06/15 15:05
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.70	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D Date Collected: 08/06/15 15:05

Client ID: MW-2R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	20	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	1100		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D Date Collected: 08/06/15 15:05

Client ID: MW-2R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	104		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05
Client ID: FIELD BLANK
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 12:09
Analyst: PD

Date Collected: 08/06/15 14:40
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05 Date Collected: 08/06/15 14:40

Client ID: FIELD BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05 Date Collected: 08/06/15 14:40

Client ID: FIELD BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 D
Client ID: MW-8R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/15 11:02
Analyst: PD

Date Collected: 08/06/15 15:10
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	2.9	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	2.8	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 D Date Collected: 08/06/15 15:10

Client ID: MW-8R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	81	J	ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	54	J	ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	1800		ug/l	50	14.	20
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 D Date Collected: 08/06/15 15:10

Client ID: MW-8R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	820	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	13.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D
Client ID: DUPLICATE
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/15 21:38
Analyst: PD

Date Collected: 08/06/15 00:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	2.9	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	2.8	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D Date Collected: 08/06/15 00:00

Client ID: DUPLICATE Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	36	J	ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	1600		ug/l	50	14.	20
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D Date Collected: 08/06/15 00:00

Client ID: DUPLICATE Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	820	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	13.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	103		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08
Client ID: MW-12
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 12:40
Analyst: PD

Date Collected: 08/06/15 10:24
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08 Date Collected: 08/06/15 10:24

Client ID: MW-12 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08 Date Collected: 08/06/15 10:24

Client ID: MW-12 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09
Client ID: MW-7R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 13:11
Analyst: PD

Date Collected: 08/06/15 12:10
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.20	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	2.8		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09 Date Collected: 08/06/15 12:10

Client ID: MW-7R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	6.4		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09 Date Collected: 08/06/15 12:10

Client ID: MW-7R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-10
Client ID: TRIP BLANK
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/14/15 10:08
Analyst: PD

Date Collected: 08/06/15 00:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-10 Date Collected: 08/06/15 00:00

Client ID: TRIP BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-10 Date Collected: 08/06/15 00:00

Client ID: TRIP BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 11:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG812016-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 11:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG812016-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 11:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG812016-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	98		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05,08-10 Batch: WG812256-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05,08-10 Batch: WG812256-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05,08-10 Batch: WG812256-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG812256-8					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG812256-8					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG812256-8					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG812016-1 WG812016-2								
Methylene chloride	87		85		70-130	2		20
1,1-Dichloroethane	84		86		70-130	2		20
Chloroform	85		83		70-130	2		20
Carbon tetrachloride	94		96		63-132	2		20
1,2-Dichloropropane	87		86		70-130	1		20
Dibromochloromethane	95		100		63-130	5		20
1,1,2-Trichloroethane	95		103		70-130	8		20
Tetrachloroethene	104		108		70-130	4		20
Chlorobenzene	94		95		75-130	1		20
Trichlorofluoromethane	87		89		62-150	2		20
1,2-Dichloroethane	82		81		70-130	1		20
1,1,1-Trichloroethane	85		88		67-130	3		20
Bromodichloromethane	82		82		67-130	0		20
trans-1,3-Dichloropropene	91		98		70-130	7		20
cis-1,3-Dichloropropene	84		85		70-130	1		20
1,1-Dichloropropene	78		80		70-130	3		20
Bromoform	92		100		54-136	8		20
1,1,2,2-Tetrachloroethane	84		92		67-130	9		20
Benzene	93		92		70-130	1		20
Toluene	91		94		70-130	3		20
Ethylbenzene	91		91		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG812016-1 WG812016-2								
Chloromethane	74		66		64-130	11		20
Bromomethane	72		68		39-139	6		20
Vinyl chloride	78		76		55-140	3		20
Chloroethane	96		93		55-138	3		20
1,1-Dichloroethene	85		90		61-145	6		20
trans-1,2-Dichloroethene	89		91		70-130	2		20
Trichloroethene	82		83		70-130	1		20
1,2-Dichlorobenzene	90		91		70-130	1		20
1,3-Dichlorobenzene	90		90		70-130	0		20
1,4-Dichlorobenzene	90		90		70-130	0		20
Methyl tert butyl ether	80		87		63-130	8		20
p/m-Xylene	96		96		70-130	0		20
o-Xylene	94		94		70-130	0		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	91		92		70-130	1		20
1,2,3-Trichloropropane	83		90		64-130	8		20
Acrylonitrile	80		89		70-130	11		20
Styrene	99		99		70-130	0		20
Dichlorodifluoromethane	140		137		36-147	2		20
Acetone	86		88		58-148	2		20
Carbon disulfide	80		77		51-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG812016-1 WG812016-2								
2-Butanone	86		97		63-138	12		20
Vinyl acetate	70		77		70-130	10		20
4-Methyl-2-pentanone	71		80		59-130	12		20
2-Hexanone	**53**	Q	67		57-130	**23**	Q	20
Bromochloromethane	93		98		70-130	5		20
2,2-Dichloropropane	91		93		63-133	2		20
1,2-Dibromoethane	90		98		70-130	9		20
1,3-Dichloropropane	89		97		70-130	9		20
1,1,1,2-Tetrachloroethane	99		102		64-130	3		20
Bromobenzene	93		94		70-130	1		20
n-Butylbenzene	76		76		53-136	0		20
sec-Butylbenzene	82		82		70-130	0		20
tert-Butylbenzene	82		82		70-130	0		20
o-Chlorotoluene	83		82		70-130	1		20
p-Chlorotoluene	84		83		70-130	1		20
1,2-Dibromo-3-chloropropane	65		77		41-144	17		20
Hexachlorobutadiene	81		83		63-130	2		20
Isopropylbenzene	82		83		70-130	1		20
p-Isopropyltoluene	84		84		70-130	0		20
Naphthalene	**68**	Q	81		70-130	17		20
n-Propylbenzene	84		85		69-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG812016-1 WG812016-2								
1,2,3-Trichlorobenzene	73		81		70-130	10		20
1,2,4-Trichlorobenzene	76		81		70-130	6		20
1,3,5-Trimethylbenzene	87		86		64-130	1		20
1,2,4-Trimethylbenzene	86		86		70-130	0		20
1,4-Dioxane	112		108		56-162	4		20
p-Diethylbenzene	82		82		70-130	0		20
p-Ethyltoluene	87		86		70-130	1		20
1,2,4,5-Tetramethylbenzene	84		85		70-130	1		20
Ethyl ether	90		96		59-134	6		20
trans-1,4-Dichloro-2-butene	71		75		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	86		85		70-130
Dibromofluoromethane	97		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05,08-10 Batch: WG812256-1 WG812256-2								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	90		91		70-130	1		20
Chloroform	93		97		70-130	4		20
Carbon tetrachloride	102		102		63-132	0		20
1,2-Dichloropropane	85		86		70-130	1		20
Dibromochloromethane	100		101		63-130	1		20
1,1,2-Trichloroethane	104		102		70-130	2		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	90		94		70-130	4		20
1,1,1-Trichloroethane	98		98		67-130	0		20
Bromodichloromethane	92		95		67-130	3		20
trans-1,3-Dichloropropene	90		91		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	90		90		70-130	0		20
Bromoform	99		98		54-136	1		20
1,1,2,2-Tetrachloroethane	104		105		67-130	1		20
Benzene	93		94		70-130	1		20
Toluene	101		101		70-130	0		20
Ethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05,08-10 Batch: WG812256-1 WG812256-2								
Chloromethane	64		66		64-130	3		20
Bromomethane	85		89		39-139	5		20
Vinyl chloride	88		88		55-140	0		20
Chloroethane	120		122		55-138	2		20
1,1-Dichloroethene	99		97		61-145	2		20
trans-1,2-Dichloroethene	92		92		70-130	0		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	92		93		70-130	1		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	94		94		70-130	0		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	101		102		70-130	1		20
o-Xylene	99		99		70-130	0		20
cis-1,2-Dichloroethene	90		91		70-130	1		20
Dibromomethane	98		100		70-130	2		20
1,2,3-Trichloropropane	109		110		64-130	1		20
Acrylonitrile	73		77		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	95		94		36-147	1		20
Acetone	101		107		58-148	6		20
Carbon disulfide	91		91		51-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05,08-10 Batch: WG812256-1 WG812256-2								
2-Butanone	87		92		63-138	6		20
Vinyl acetate	85		87		70-130	2		20
4-Methyl-2-pentanone	74		78		59-130	5		20
2-Hexanone	76		75		57-130	1		20
Bromochloromethane	94		94		70-130	0		20
2,2-Dichloropropane	108		108		63-133	0		20
1,2-Dibromoethane	99		101		70-130	2		20
1,3-Dichloropropane	102		103		70-130	1		20
1,1,1,2-Tetrachloroethane	95		96		64-130	1		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	93		92		53-136	1		20
sec-Butylbenzene	99		98		70-130	1		20
tert-Butylbenzene	98		97		70-130	1		20
o-Chlorotoluene	104		103		70-130	1		20
p-Chlorotoluene	101		100		70-130	1		20
1,2-Dibromo-3-chloropropane	82		84		41-144	2		20
Hexachlorobutadiene	69		69		63-130	0		20
Isopropylbenzene	102		101		70-130	1		20
p-Isopropyltoluene	95		95		70-130	0		20
Naphthalene	70		72		70-130	3		20
n-Propylbenzene	104		103		69-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05,08-10 Batch: WG812256-1 WG812256-2								
1,2,3-Trichlorobenzene	**68**	Q	**69**	Q	70-130	1		20
1,2,4-Trichlorobenzene	74		74		70-130	0		20
1,3,5-Trimethylbenzene	102		102		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	131		128		56-162	2		20
p-Diethylbenzene	87		86		70-130	1		20
p-Ethyltoluene	101		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	80		80		70-130	0		20
Ethyl ether	88		89		59-134	1		20
trans-1,4-Dichloro-2-butene	**33**	Q	**35**	Q	70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG812256-6 WG812256-7								
Methylene chloride	103		106		70-130	3		20
1,1-Dichloroethane	94		98		70-130	4		20
Chloroform	103		107		70-130	4		20
Carbon tetrachloride	116		123		63-132	6		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	113		122		63-130	8		20
1,1,2-Trichloroethane	112		121		70-130	8		20
Tetrachloroethene	104		108		70-130	4		20
Chlorobenzene	103		105		75-130	2		20
Trichlorofluoromethane	133		140		62-150	5		20
1,2-Dichloroethane	103		109		70-130	6		20
1,1,1-Trichloroethane	106		110		67-130	4		20
Bromodichloromethane	102		106		67-130	4		20
trans-1,3-Dichloropropene	107		112		70-130	5		20
cis-1,3-Dichloropropene	98		102		70-130	4		20
1,1-Dichloropropene	96		100		70-130	4		20
Bromoform	114		128		54-136	12		20
1,1,2,2-Tetrachloroethane	112		128		67-130	13		20
Benzene	97		101		70-130	4		20
Toluene	102		107		70-130	5		20
Ethylbenzene	104		107		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG812256-6 WG812256-7								
Chloromethane	88		88		64-130	0		20
Bromomethane	97		99		39-139	2		20
Vinyl chloride	103		107		55-140	4		20
Chloroethane	128		132		55-138	3		20
1,1-Dichloroethene	103		109		61-145	6		20
trans-1,2-Dichloroethene	98		102		70-130	4		20
Trichloroethene	104		106		70-130	2		20
1,2-Dichlorobenzene	100		103		70-130	3		20
1,3-Dichlorobenzene	100		101		70-130	1		20
1,4-Dichlorobenzene	100		102		70-130	2		20
Methyl tert butyl ether	100		109		63-130	9		20
p/m-Xylene	105		108		70-130	3		20
o-Xylene	102		105		70-130	3		20
cis-1,2-Dichloroethene	96		99		70-130	3		20
Dibromomethane	112		119		70-130	6		20
1,2,3-Trichloropropane	119		**134**	Q	64-130	12		20
Acrylonitrile	83		97		70-130	16		20
Styrene	103		106		70-130	3		20
Dichlorodifluoromethane	128		132		36-147	3		20
Acetone	95		109		58-148	14		20
Carbon disulfide	101		105		51-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG812256-6 WG812256-7								
2-Butanone	92		100		63-138	8		20
Vinyl acetate	91		100		70-130	9		20
4-Methyl-2-pentanone	84		101		59-130	18		20
2-Hexanone	81		96		57-130	17		20
Bromochloromethane	102		108		70-130	6		20
2,2-Dichloropropane	114		118		63-133	3		20
1,2-Dibromoethane	108		118		70-130	9		20
1,3-Dichloropropane	109		119		70-130	9		20
1,1,1,2-Tetrachloroethane	108		111		64-130	3		20
Bromobenzene	101		104		70-130	3		20
n-Butylbenzene	98		100		53-136	2		20
sec-Butylbenzene	101		104		70-130	3		20
tert-Butylbenzene	100		103		70-130	3		20
o-Chlorotoluene	107		111		70-130	4		20
p-Chlorotoluene	104		107		70-130	3		20
1,2-Dibromo-3-chloropropane	93		100		41-144	7		20
Hexachlorobutadiene	74		78		63-130	5		20
Isopropylbenzene	101		105		70-130	4		20
p-Isopropyltoluene	100		103		70-130	3		20
Naphthalene	82		96		70-130	16		20
n-Propylbenzene	105		108		69-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG812256-6 WG812256-7								
1,2,3-Trichlorobenzene	81		89		70-130	9		20
1,2,4-Trichlorobenzene	83		87		70-130	5		20
1,3,5-Trimethylbenzene	105		108		64-130	3		20
1,2,4-Trimethylbenzene	104		106		70-130	2		20
1,4-Dioxane	157		157		56-162	0		20
p-Diethylbenzene	91		95		70-130	4		20
p-Ethyltoluene	104		106		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		87		70-130	4		20
Ethyl ether	103		111		59-134	7		20
trans-1,4-Dichloro-2-butene	**68**	Q	81		70-130	17		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	102		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08-10 QC Batch ID: WG812256-4 WG812256-5 QC Sample: L1518686-06 Client ID: MW-8R												
Methylene chloride	ND	200	210	106		220	111		70-130	5		20
1,1-Dichloroethane	ND	200	190	97		200	101		70-130	5		20
Chloroform	ND	200	210	106		220	112		70-130	5		20
Carbon tetrachloride	ND	200	230	115		240	121		63-132	4		20
1,2-Dichloropropane	ND	200	180	92		190	94		70-130	5		20
Dibromochloromethane	ND	200	230	116		250	127		63-130	8		20
1,1,2-Trichloroethane	ND	200	250	123		260	128		70-130	4		20
Tetrachloroethene	ND	200	210	105		200	100		70-130	5		20
Chlorobenzene	ND	200	210	105		210	105		75-130	0		20
Trichlorofluoromethane	ND	200	270	134		270	135		62-150	0		20
1,2-Dichloroethane	ND	200	210	107		230	115		70-130	9		20
1,1,1-Trichloroethane	ND	200	220	108		230	113		67-130	4		20
Bromodichloromethane	ND	200	210	105		220	112		67-130	5		20
trans-1,3-Dichloropropene	ND	200	210	106		150	77		70-130	**33**	Q	20
cis-1,3-Dichloropropene	ND	200	190	96		140	70		70-130	**30**	Q	20
1,1-Dichloropropene	ND	200	190	97		190	97		70-130	0		20
Bromoform	ND	200	230	117		270	134		54-136	16		20
1,1,2,2-Tetrachloroethane	ND	200	260	129		280	**138**	Q	67-130	7		20
Benzene	ND	200	200	102		210	105		70-130	5		20
Toluene	ND	200	210	107		220	108		70-130	5		20
Ethylbenzene	ND	200	220	108		210	106		70-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08-10 QC Batch ID: WG812256-4 WG812256-5 QC Sample: L1518686-06 Client ID: MW-8R												
Chloromethane	ND	200	120	**63**	Q	160	80		64-130	**29**	Q	20
Bromomethane	ND	200	140	69		170	84		39-139	19		20
Vinyl chloride	ND	200	190	95		200	101		55-140	5		20
Chloroethane	ND	200	240	122		250	126		55-138	4		20
1,1-Dichloroethene	ND	200	210	106		210	107		61-145	0		20
trans-1,2-Dichloroethene	ND	200	200	100		210	104		70-130	5		20
Trichloroethene	ND	200	210	105		210	107		70-130	0		20
1,2-Dichlorobenzene	ND	200	200	100		210	103		70-130	5		20
1,3-Dichlorobenzene	ND	200	200	98		190	96		70-130	5		20
1,4-Dichlorobenzene	ND	200	200	98		200	99		70-130	0		20
Methyl tert butyl ether	ND	200	210	105		230	115		63-130	9		20
p/m-Xylene	ND	400	430	108		420	106		70-130	2		20
o-Xylene	ND	400	420	106		420	106		70-130	0		20
cis-1,2-Dichloroethene	ND	200	190	98		200	103		70-130	5		20
Dibromomethane	ND	200	230	116		250	125		70-130	8		20
1,2,3-Trichloropropane	ND	200	270	**137**	Q	280	**142**	Q	64-130	4		20
Acrylonitrile	ND	200	180	88		190	95		70-130	5		20
Styrene	ND	400	430	107		420	106		70-130	2		20
Dichlorodifluoromethane	ND	200	200	102		190	97		36-147	5		20
Acetone	81.J	200	260	132		350	**177**	Q	58-148	**30**	Q	20
Carbon disulfide	ND	200	190	96		190	93		51-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08-10 QC Batch ID: WG812256-4 WG812256-5 QC Sample: L1518686-06 Client ID: MW-8R												
2-Butanone	54.J	200	220	111		230	117		63-138	4		20
Vinyl acetate	ND	200	200	101		190	95		70-130	5		20
4-Methyl-2-pentanone	ND	200	200	101		220	111		59-130	10		20
2-Hexanone	ND	200	200	98		200	103		57-130	0		20
Bromochloromethane	ND	200	200	99		220	109		70-130	10		20
2,2-Dichloropropane	ND	200	210	107		16.J	**8**	Q	63-133	**172**	Q	20
1,2-Dibromoethane	ND	200	240	118		250	123		70-130	4		20
1,3-Dichloropropane	ND	200	240	119		240	122		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	200	220	108		230	116		64-130	4		20
Bromobenzene	ND	200	200	100		200	103		70-130	0		20
n-Butylbenzene	ND	200	200	102		170	85		53-136	16		20
sec-Butylbenzene	ND	200	210	103		200	98		70-130	5		20
tert-Butylbenzene	ND	200	200	101		200	100		70-130	0		20
o-Chlorotoluene	ND	200	200	100		200	100		70-130	0		20
p-Chlorotoluene	ND	200	210	106		200	103		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	200	210	104		200	101		41-144	5		20
Hexachlorobutadiene	ND	200	140	70		120	**60**	Q	63-130	15		20
Isopropylbenzene	ND	200	200	102		200	101		70-130	0		20
p-Isopropyltoluene	ND	200	200	102		190	94		70-130	5		20
Naphthalene	1800	200	1900	**32**	Q	2000	82		70-130	5		20
n-Propylbenzene	ND	200	210	107		200	101		69-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08-10 QC Batch ID: WG812256-4 WG812256-5 QC Sample: L1518686-06 Client ID: MW-8R												
1,2,3-Trichlorobenzene	ND	200	180	92		190	97		70-130	5		20
1,2,4-Trichlorobenzene	ND	200	170	87		170	85		70-130	0		20
1,3,5-Trimethylbenzene	ND	200	210	106		210	103		64-130	0		20
1,2,4-Trimethylbenzene	ND	200	210	105		210	103		70-130	0		20
1,4-Dioxane	ND	10000	18000	**184**	Q	18000	**184**	Q	56-162	0		20
p-Diethylbenzene	ND	200	190	96		170	85		70-130	11		20
p-Ethyltoluene	ND	200	210	105		200	99		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	200	180	88		170	84		70-130	6		20
Ethyl ether	ND	200	210	103		220	110		59-134	5		20
trans-1,4-Dichloro-2-butene	ND	200	110	**53**	Q	64	**32**	Q	70-130	**53**	Q	20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		110		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	103		101		70-130

SEMIVOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01
Client ID: MW-13
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 10:49
Analyst: AS

Date Collected: 08/06/15 08:25
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	1.1	J	ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01 Date Collected: 08/06/15 08:25

Client ID: MW-13 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	10		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	72		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01
Client ID: MW-13
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 13:30
Analyst: KV

Date Collected: 08/06/15 08:25
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.6		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	3.4		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.35		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.22		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	0.18	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	1.4		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	2.2		ug/l	0.20	0.04	1
Phenanthrene	3.4		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	2.4		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-01 Date Collected: 08/06/15 08:25

Client ID: MW-13 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	67		41-149

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02
Client ID: MW-6R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 11:14
Analyst: AS

Date Collected: 08/06/15 09:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02 Date Collected: 08/06/15 09:10

Client ID: MW-6R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	82		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02
Client ID: MW-6R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 13:59
Analyst: KV

Date Collected: 08/06/15 09:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-02 Date Collected: 08/06/15 09:10

Client ID: MW-6R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	77		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03
Client ID: MW-3
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 11:40
Analyst: AS

Date Collected: 08/06/15 11:35
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	0.33	J	ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	1.3	J	ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03 Date Collected: 08/06/15 11:35

Client ID: MW-3 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	4.2		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	98		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03
Client ID: MW-3
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 14:28
Analyst: KV

Date Collected: 08/06/15 11:35
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.2		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	5.0		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.25		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.40		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	0.28		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	1.8		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	2.6		ug/l	0.20	0.04	1
Phenanthrene	5.3		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	3.5		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-03 Date Collected: 08/06/15 11:35

Client ID: MW-3 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	90		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04
Client ID: MW-2R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 12:05
Analyst: AS

Date Collected: 08/06/15 15:05
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	7.6		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	34		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 Date Collected: 08/06/15 15:05

Client ID: MW-2R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	10		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	1.3	J	ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	4.7	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	32		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	99		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D2
Client ID: MW-2R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 17:55
Analyst: KV

Date Collected: 08/06/15 15:05
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	400		ug/l	4.0	0.86	20

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D
Client ID: MW-2R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 16:26
Analyst: KV

Date Collected: 08/06/15 15:05
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	140		ug/l	2.0	0.35	10
2-Chloronaphthalene	ND		ug/l	2.0	0.35	10
Fluoranthene	9.7		ug/l	2.0	0.38	10
Hexachlorobutadiene	ND		ug/l	5.0	0.36	10
Naphthalene	370	E	ug/l	2.0	0.43	10
Benzo(a)anthracene	0.66	J	ug/l	2.0	0.16	10
Benzo(a)pyrene	0.46	J	ug/l	2.0	0.39	10
Benzo(b)fluoranthene	0.23	J	ug/l	2.0	0.16	10
Benzo(k)fluoranthene	ND		ug/l	2.0	0.42	10
Chrysene	0.42	J	ug/l	2.0	0.38	10
Acenaphthylene	ND		ug/l	2.0	0.35	10
Anthracene	7.4		ug/l	2.0	0.35	10
Benzo(ghi)perylene	ND		ug/l	2.0	0.42	10
Fluorene	42		ug/l	2.0	0.37	10
Phenanthrene	32		ug/l	2.0	0.15	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.39	10
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.40	10
Pyrene	6.5		ug/l	2.0	0.40	10
2-Methylnaphthalene	53		ug/l	2.0	0.45	10
Pentachlorophenol	ND		ug/l	8.0	2.2	10
Hexachlorobenzene	ND		ug/l	8.0	0.32	10
Hexachloroethane	ND		ug/l	8.0	0.30	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-04 D Date Collected: 08/06/15 15:05

Client ID: MW-2R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	94		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05
Client ID: FIELD BLANK
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 12:30
Analyst: AS

Date Collected: 08/06/15 14:40
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05 Date Collected: 08/06/15 14:40

Client ID: FIELD BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	0.75	J	ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	97		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05
Client ID: FIELD BLANK
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 15:27
Analyst: KV

Date Collected: 08/06/15 14:40
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-05 Date Collected: 08/06/15 14:40

Client ID: FIELD BLANK Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	86		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06
Client ID: MW-8R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 12:55
Analyst: AS

Date Collected: 08/06/15 15:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	14		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	63		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 Date Collected: 08/06/15 15:10

Client ID: MW-8R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	28		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	2.4	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	68		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	100		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 D
Client ID: MW-8R
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 16:56
Analyst: KV

Date Collected: 08/06/15 15:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	290		ug/l	10	1.8	50
2-Chloronaphthalene	ND		ug/l	10	1.8	50
Fluoranthene	9.4	J	ug/l	10	1.9	50
Hexachlorobutadiene	ND		ug/l	25	1.8	50
Naphthalene	660		ug/l	10	2.2	50
Benzo(a)anthracene	ND		ug/l	10	0.80	50
Benzo(a)pyrene	ND		ug/l	10	2.0	50
Benzo(b)fluoranthene	ND		ug/l	10	0.80	50
Benzo(k)fluoranthene	ND		ug/l	10	2.1	50
Chrysene	ND		ug/l	10	1.9	50
Acenaphthylene	ND		ug/l	10	1.8	50
Anthracene	8.4	J	ug/l	10	1.8	50
Benzo(ghi)perylene	ND		ug/l	10	2.1	50
Fluorene	79		ug/l	10	1.8	50
Phenanthrene	67		ug/l	10	0.75	50
Dibenzo(a,h)anthracene	ND		ug/l	10	2.0	50
Indeno(1,2,3-cd)Pyrene	ND		ug/l	10	2.0	50
Pyrene	6.0	J	ug/l	10	2.0	50
2-Methylnaphthalene	140		ug/l	10	2.2	50
Pentachlorophenol	ND		ug/l	40	11.	50
Hexachlorobenzene	ND		ug/l	40	1.6	50
Hexachloroethane	ND		ug/l	40	1.5	50

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-06 D Date Collected: 08/06/15 15:10

Client ID: MW-8R Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07
Client ID: DUPLICATE
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 13:20
Analyst: AS

Date Collected: 08/06/15 00:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	3.3		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	22		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	91		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 Date Collected: 08/06/15 00:00

Client ID: DUPLICATE Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	53		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	4.7	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	110		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	102		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D2
Client ID: DUPLICATE
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/14/15 10:13
Analyst: KV

Date Collected: 08/06/15 00:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	420		ug/l	20	3.5	100
Naphthalene	1100		ug/l	20	4.3	100
2-Methylnaphthalene	210		ug/l	20	4.5	100

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D
Client ID: DUPLICATE
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 17:25
Analyst: KV

Date Collected: 08/06/15 00:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	320	E	ug/l	2.0	0.35	10
2-Chloronaphthalene	ND		ug/l	2.0	0.35	10
Fluoranthene	16		ug/l	2.0	0.38	10
Hexachlorobutadiene	ND		ug/l	5.0	0.36	10
Naphthalene	710	E	ug/l	2.0	0.43	10
Benzo(a)anthracene	1.6	J	ug/l	2.0	0.16	10
Benzo(a)pyrene	1.2	J	ug/l	2.0	0.39	10
Benzo(b)fluoranthene	1.2	J	ug/l	2.0	0.16	10
Benzo(k)fluoranthene	0.44	J	ug/l	2.0	0.42	10
Chrysene	1.4	J	ug/l	2.0	0.38	10
Acenaphthylene	ND		ug/l	2.0	0.35	10
Anthracene	15		ug/l	2.0	0.35	10
Benzo(ghi)perylene	0.47	J	ug/l	2.0	0.42	10
Fluorene	120		ug/l	2.0	0.37	10
Phenanthrene	99		ug/l	2.0	0.15	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.39	10
Indeno(1,2,3-cd)Pyrene	0.52	J	ug/l	2.0	0.40	10
Pyrene	9.9		ug/l	2.0	0.40	10
2-Methylnaphthalene	200	E	ug/l	2.0	0.45	10
Pentachlorophenol	ND		ug/l	8.0	2.2	10
Hexachlorobenzene	ND		ug/l	8.0	0.32	10
Hexachloroethane	ND		ug/l	8.0	0.30	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-07 D Date Collected: 08/06/15 00:00

Client ID: DUPLICATE Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	114		15-120
2,4,6-Tribromophenol	**126**	Q	10-120
4-Terphenyl-d14	108		41-149

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08
Client ID: MW-12
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 13:46
Analyst: AS

Date Collected: 08/06/15 10:24
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08 Date Collected: 08/06/15 10:24

Client ID: MW-12 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	5.6	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	90		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08
Client ID: MW-12
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 18:55
Analyst: KV

Date Collected: 08/06/15 10:24
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.05	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.05	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	0.03	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.05	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.02	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.10	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-08 Date Collected: 08/06/15 10:24

Client ID: MW-12 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09
Client ID: MW-7R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/13/15 14:11
Analyst: AS

Date Collected: 08/06/15 12:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	4.6		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09 Date Collected: 08/06/15 12:10

Client ID: MW-7R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	1.1	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	5.7	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	79		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	79		41-149

Project Name: ORANGEBURG COMMONS
Lab Number: L1518686
Project Number: Not Specified
Report Date: 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09
Client ID: MW-7R2
Sample Location: 170 NY 303 ORANGEBURG COMMONS
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 19:24
Analyst: KV

Date Collected: 08/06/15 12:10
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	14		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	7.9		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	3.2		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.79		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.36		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.42		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.16	J	ug/l	0.20	0.04	1
Chrysene	0.64		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	4.2		ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.14	J	ug/l	0.20	0.04	1
Fluorene	8.1		ug/l	0.20	0.04	1
Phenanthrene	14		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	0.17	J	ug/l	0.20	0.04	1
Pyrene	5.5		ug/l	0.20	0.04	1
2-Methylnaphthalene	1.5		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1518686

Project Number: Not Specified **Report Date:** 08/17/15

SAMPLE RESULTS

Lab ID: L1518686-09 Date Collected: 08/06/15 12:10

Client ID: MW-7R2 Date Received: 08/06/15

Sample Location: 170 NY 303 ORANGEBURG COMMONS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	76		41-149

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/13/15 08:43
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG811517-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	1.0	J	ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/13/15 08:43
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 08/12/15 15:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG811517-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	66		41-149

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 11:03
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG811528-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified
Lab Number: L1518686
Report Date: 08/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/13/15 11:03
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 08/12/15 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG811528-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	58		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG811517-2 WG811517-3								
1,2,4-Trichlorobenzene	61		72		39-98	17		30
Bis(2-chloroethyl)ether	83		97		40-140	16		30
1,2-Dichlorobenzene	62		71		40-140	14		30
1,3-Dichlorobenzene	59		69		40-140	16		30
1,4-Dichlorobenzene	59		69		36-97	16		30
3,3'-Dichlorobenzidine	68		84		40-140	21		30
2,4-Dinitrotoluene	**102**	Q	**122**	Q	24-96	18		30
2,6-Dinitrotoluene	102		121		40-140	17		30
4-Chlorophenyl phenyl ether	84		101		40-140	18		30
4-Bromophenyl phenyl ether	94		112		40-140	17		30
Bis(2-chloroisopropyl)ether	80		92		40-140	14		30
Bis(2-chloroethoxy)methane	91		108		40-140	17		30
Hexachlorocyclopentadiene	54		63		40-140	15		30
Isophorone	94		110		40-140	16		30
Nitrobenzene	88		103		40-140	16		30
NitrosoDiPhenylAmine(NDPA)/DPA	91		109		40-140	18		30
n-Nitrosodi-n-propylamine	92		109		29-132	17		30
Bis(2-Ethylhexyl)phthalate	99		140		40-140	**34**	Q	30
Butyl benzyl phthalate	108		126		40-140	15		30
Di-n-butylphthalate	106		122		40-140	14		30
Di-n-octylphthalate	100		115		40-140	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG811517-2 WG811517-3								
Diethyl phthalate	98		115		40-140	16		30
Dimethyl phthalate	97		116		40-140	18		30
Biphenyl	66		79		54-104	18		30
4-Chloroaniline	84		99		40-140	16		30
2-Nitroaniline	100		118		52-143	17		30
3-Nitroaniline	80		94		25-145	16		30
4-Nitroaniline	92		110		51-143	18		30
Dibenzofuran	80		96		40-140	18		30
1,2,4,5-Tetrachlorobenzene	61		73		2-134	18		30
Acetophenone	87		104		39-129	18		30
2,4,6-Trichlorophenol	101		119		30-130	16		30
P-Chloro-M-Cresol	**102**	Q	**120**	Q	23-97	16		30
2-Chlorophenol	87		102		27-123	16		30
2,4-Dichlorophenol	98		118		30-130	19		30
2,4-Dimethylphenol	101		121		30-130	18		30
2-Nitrophenol	93		112		30-130	19		30
4-Nitrophenol	55		68		10-80	21		30
2,4-Dinitrophenol	84		101		20-130	18		30
4,6-Dinitro-o-cresol	90		108		20-164	18		30
Phenol	46		56		12-110	20		30
2-Methylphenol	82		98		30-130	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG811517-2 WG811517-3								
3-Methylphenol/4-Methylphenol	79		94		30-130	17		30
2,4,5-Trichlorophenol	99		118		30-130	18		30
Benzoic Acid	44		43		10-110	2		30
Benzyl Alcohol	83		97		15-110	16		30
Carbazole	97		112		55-144	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		70		21-120
Phenol-d6	45		52		10-120
Nitrobenzene-d5	96		111		23-120
2-Fluorobiphenyl	91		105		15-120
2,4,6-Tribromophenol	95		110		10-120
4-Terphenyl-d14	102		119		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG811528-2 WG811528-3								
Acenaphthene	71		61		37-111	15		40
2-Chloronaphthalene	79		62		40-140	24		40
Fluoranthene	83		72		40-140	14		40
Hexachlorobutadiene	71		57		40-140	22		40
Naphthalene	78		62		40-140	23		40
Benzo(a)anthracene	93		77		40-140	19		40
Benzo(a)pyrene	86		72		40-140	18		40
Benzo(b)fluoranthene	87		73		40-140	18		40
Benzo(k)fluoranthene	78		68		40-140	14		40
Chrysene	86		71		40-140	19		40
Acenaphthylene	84		70		40-140	18		40
Anthracene	79		67		40-140	16		40
Benzo(ghi)perylene	82		68		40-140	19		40
Fluorene	75		68		40-140	10		40
Phenanthrene	77		65		40-140	17		40
Dibenzo(a,h)anthracene	85		68		40-140	22		40
Indeno(1,2,3-cd)Pyrene	85		72		40-140	17		40
Pyrene	84		72		26-127	15		40
2-Methylnaphthalene	78		60		40-140	26		40
Pentachlorophenol	72		60		9-103	18		40
Hexachlorobenzene	82		66		40-140	22		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: Not Specified

Lab Number: L1518686

Report Date: 08/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG811528-2 WG811528-3								
Hexachloroethane	70		54		40-140	26		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		43		21-120
Phenol-d6	37		31		10-120
Nitrobenzene-d5	83		68		23-120
2-Fluorobiphenyl	103		77		15-120
2,4,6-Tribromophenol	90		83		10-120
4-Terphenyl-d14	93		76		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG811517-4 WG811517-5 QC Sample: L1518686-06 Client ID: MW-8R												
1,2,4-Trichlorobenzene	ND	40	27	68		32	80		39-98	17		30
Bis(2-chloroethyl)ether	ND	40	29	73		33	83		40-140	13		30
1,2-Dichlorobenzene	ND	40	23	58		27	68		40-140	16		30
1,3-Dichlorobenzene	ND	40	22	55		27	68		40-140	20		30
1,4-Dichlorobenzene	ND	40	23	58		27	68		36-97	16		30
3,3'-Dichlorobenzidine	ND	40	6.8	**17**	Q	9.1	**23**	Q	40-140	29		30
2,4-Dinitrotoluene	ND	40	38	95		39	**98**	Q	24-96	3		30
2,6-Dinitrotoluene	ND	40	40	100		41	100		40-140	2		30
4-Chlorophenyl phenyl ether	ND	40	33	83		34	85		40-140	3		30
4-Bromophenyl phenyl ether	ND	40	37	93		38	95		40-140	3		30
Bis(2-chloroisopropyl)ether	ND	40	29	73		33	83		40-140	13		30
Bis(2-chloroethoxy)methane	ND	40	34	85		35	88		40-140	3		30
Hexachlorocyclopentadiene	ND	40	27	68		28	70		40-140	4		30
Isophorone	ND	40	36	90		36	90		40-140	0		30
Nitrobenzene	ND	40	34	85		38	95		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	37	93		38	95		40-140	3		30
n-Nitrosodi-n-propylamine	ND	40	33	83		35	88		29-132	6		30
Bis(2-Ethylhexyl)phthalate	ND	40	38	95		38	95		40-140	0		30
Butyl benzyl phthalate	ND	40	42	110		42	110		40-140	0		30
Di-n-butylphthalate	ND	40	40	100		41	100		40-140	2		30
Di-n-octylphthalate	ND	40	39	98		40	100		40-140	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG811517-4 WG811517-5 QC Sample: L1518686-06 Client ID: MW-8R												
Diethyl phthalate	ND	40	37	93		38	95		40-140	3		30
Dimethyl phthalate	ND	40	36	90		37	93		40-140	3		30
Biphenyl	14	40	46	80		50	90		54-104	8		30
4-Chloroaniline	ND	40	32	80		35	88		40-140	9		30
2-Nitroaniline	ND	40	39	98		40	100		52-143	3		30
3-Nitroaniline	ND	40	14	35		10	25		25-145	**33**	Q	30
4-Nitroaniline	ND	40	29	73		29	73		51-143	0		30
Dibenzofuran	63	40	110	120		120	140		40-140	9		30
1,2,4,5-Tetrachlorobenzene	ND	40	29	73		30	75		2-134	3		30
Acetophenone	ND	40	32	80		35	88		39-129	9		30
2,4,6-Trichlorophenol	ND	40	41	100		42	110		30-130	2		30
P-Chloro-M-Cresol	ND	40	41	**100**	Q	42	**110**	Q	23-97	2		30
2-Chlorophenol	ND	40	32	80		35	88		27-123	9		30
2,4-Dichlorophenol	ND	40	40	100		41	100		30-130	2		30
2,4-Dimethylphenol	28	40	76	120		87	**150**	Q	30-130	13		30
2-Nitrophenol	ND	40	35	88		37	93		30-130	6		30
4-Nitrophenol	ND	40	27	68		28	70		10-80	4		30
2,4-Dinitrophenol	ND	40	34	85		36	90		20-130	6		30
4,6-Dinitro-o-cresol	ND	40	34	85		36	90		20-164	6		30
Phenol	ND	40	18	45		18	45		12-110	0		30
2-Methylphenol	ND	40	32	80		33	83		30-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG811517-4 WG811517-5 QC Sample: L1518686-06 Client ID: MW-8R												
3-Methylphenol/4-Methylphenol	2.4J	40	34	85		35	88		30-130	3		30
2,4,5-Trichlorophenol	ND	40	40	100		41	100		30-130	2		30
Benzoic Acid	ND	40	23J	58		24.J	60		10-110	4		30
Benzyl Alcohol	ND	40	30	75		31	78		15-110	3		30
Carbazole	68	40	120	130		130	**160**	Q	55-144	8		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	94		95		10-120
2-Fluorobiphenyl	91		91		15-120
2-Fluorophenol	55		60		21-120
4-Terphenyl-d14	97		97		41-149
Nitrobenzene-d5	86		92		23-120
Phenol-d6	44		45		10-120

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518686-01A	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-01B	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-01C	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-01D	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-01E	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-02A	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-02B	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-02C	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-02D	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-02E	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-03A	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-03B	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-03C	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-03D	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-03E	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-04A	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-04B	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-04C	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-04D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-04E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-05A	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518686-05B	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-05C	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-05D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-05E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06A1	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06A2	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06B1	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06B2	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06C	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06C1	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06C2	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-06D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06D1	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06D2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06E	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06E1	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-06E2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-07A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-07B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-07C	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1518686-07D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-07E	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-08A	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-08B	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-08C	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-08D	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-08E	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-09A	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-09B	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG COMMONS
Project Number: Not Specified

Lab Number: L1518686
Report Date: 08/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518686-09C	Vial HCl preserved	C	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1518686-09D	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-09E	Amber 1000ml unpreserved	C	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1518686-10A	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518686-10B	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1518686
Project Number:	Not Specified	**Report Date:**	08/17/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1518686
Project Number:	Not Specified	**Report Date:**	08/17/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/7/15

ALPHA Job #: L1518686

Client Information

Client: Tetra Environmental
Address: 121 W 27th St #303
NY
Phone: 646606 2338
Fax:
Email: MCarroll@tetra-env.com

Project Information

Project Name: Orangeburg Commons
Project Location: 170 NY303 Orangeburg Comm
Project #
(Use Project name as Project #) ☑
Project Manager: Matt Carroll
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☑ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs, SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
1686-01	MW-13	8/6/15	0825	GW	KM	
-02	MW-6R		0910			
-03	MW-3		1135			
-04	MW-2R2		1505			
-05	Field Blank		1440			
-06	MW-8R		1510			
-06	MS/MSD		1510			
-08	DUPLICATE					
-08	MW-12		1024			
-09	MW-7R2		1210			

Container Type: V, A
Preservative: B, A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/15 1658	AAL	8/6/15 16:08
	8/6/15 1840		8-6-15 1840
	8/7/15 0130		8/7/15 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1531300
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 303 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG COMMONS
Project Number:	ORANGEBURG COMMONS
Report Date:	12/14/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1531300-01	MW-3R	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 12:25	11/30/15
L1531300-02	MW-12	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 10:40	11/30/15
L1531300-03	MW-2R2	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 12:20	11/30/15
L1531300-04	MW-8R	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 11:00	11/30/15
L1531300-05	MW-7R-2	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 10:35	11/30/15
L1531300-06	MW-13	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 08:15	11/30/15
L1531300-07	FIELD BLANK	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 13:00	11/30/15
L1531300-08	TRIP BLANK	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 00:00	11/30/15
L1531300-09	MW-3R DUP	WATER	170 ROUTE 303 ORANGEBURG, NY	11/30/15 11:30	11/30/15

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1531300
Report Date: 12/14/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1531300
Project Number:	ORANGEBURG COMMONS	**Report Date:**	12/14/15

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L1531300-03, -04, -05, -06 and -09: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%), 4-chloroaniline (0%/0%) and 3-nitroaniline (0%/0%) due to the concentration of this compound falling below the reported detection limit.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are below the acceptance criteria for 4-nitroaniline (7%/9%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG846934-4/-5 MS/MSD recoveries, performed on L1531300-04, are outside the acceptance criteria for dibenzofuran (0%/0%) and carbazole (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Semivolatile Organics by SIM

L1531300-01, -03, -04, -05 and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1531300-03 and -04: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1531300-07: The Field Blank has a result for Naphthalene present above the reporting limit. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported.

The WG846935 MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
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Case Narrative (continued)

below the range of calibration.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/14/15

ORGANICS

VOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01
Client ID: MW-3R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 14:13
Analyst: PD

Date Collected: 11/30/15 12:25
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01 Date Collected: 11/30/15 12:25

Client ID: MW-3R Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01 Date Collected: 11/30/15 12:25

Client ID: MW-3R Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02
Client ID: MW-12
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 14:48
Analyst: PD

Date Collected: 11/30/15 10:40
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02 Date Collected: 11/30/15 10:40

Client ID: MW-12 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02 Date Collected: 11/30/15 10:40

Client ID: MW-12 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D
Client ID: MW-2R2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 17:08
Analyst: PD

Date Collected: 11/30/15 12:20
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.6	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	7.2	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.5	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	7.1	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D Date Collected: 11/30/15 12:20

Client ID: MW-2R2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	2500		ug/l	120	35.	50
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D Date Collected: 11/30/15 12:20

Client ID: MW-2R2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	2000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	32.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 17:43
Analyst: PD

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.3	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
1,3-Dichloropropene, Total	ND		ug/l	20	5.8	40
1,1-Dichloropropene	ND		ug/l	100	28.	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	5.8	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	5.7	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D Date Collected: 11/30/15 11:00

Client ID: MW-8R Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
Xylenes, Total	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
1,2-Dichloroethene, Total	ND		ug/l	100	28.	40
Dibromomethane	ND		ug/l	200	40.	40
1,2,3-Trichloropropane	ND		ug/l	100	28.	40
Acrylonitrile	ND		ug/l	200	60.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
Vinyl acetate	ND		ug/l	200	40.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
2,2-Dichloropropane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,3-Dichloropropane	ND		ug/l	100	28.	40
1,1,1,2-Tetrachloroethane	ND		ug/l	100	28.	40
Bromobenzene	ND		ug/l	100	28.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
o-Chlorotoluene	ND		ug/l	100	28.	40
p-Chlorotoluene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Hexachlorobutadiene	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	2000		ug/l	100	28.	40
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
1,4-Dioxane	ND		ug/l	10000	1600	40
p-Diethylbenzene	ND		ug/l	80	28.	40
p-Ethyltoluene	ND		ug/l	80	28.	40
1,2,4,5-Tetramethylbenzene	ND		ug/l	80	26.	40
Ethyl ether	ND		ug/l	100	28.	40
trans-1,4-Dichloro-2-butene	ND		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 15:23
Analyst: PD

Date Collected: 11/30/15 10:35
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	1.4	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 Date Collected: 11/30/15 10:35

Client ID: MW-7R-2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	6.0		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 Date Collected: 11/30/15 10:35

Client ID: MW-7R-2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06
Client ID: MW-13
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 15:58
Analyst: PD

Date Collected: 11/30/15 08:15
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 Date Collected: 11/30/15 08:15

Client ID: MW-13 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.4	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 Date Collected: 11/30/15 08:15

Client ID: MW-13 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 13:03
Analyst: PD

Date Collected: 11/30/15 13:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 Date Collected: 11/30/15 13:00

Client ID: FIELD BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 Date Collected: 11/30/15 13:00

Client ID: FIELD BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-08
Client ID: TRIP BLANK
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 13:38
Analyst: PD

Date Collected: 11/30/15 00:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-08 Date Collected: 11/30/15 00:00

Client ID: TRIP BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-08 Date Collected: 11/30/15 00:00

Client ID: TRIP BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09
Client ID: MW-3R DUP
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/15 16:33
Analyst: PD

Date Collected: 11/30/15 11:30
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09 Date Collected: 11/30/15 11:30

Client ID: MW-3R DUP Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09 Date Collected: 11/30/15 11:30

Client ID: MW-3R DUP Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/15 12:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG848228-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/15 12:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG848228-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/15 12:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG848228-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG848228-1 WG848228-2								
Methylene chloride	96		101		70-130	5		20
1,1-Dichloroethane	93		96		70-130	3		20
Chloroform	91		89		70-130	2		20
Carbon tetrachloride	86		82		63-132	5		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	79		74		63-130	7		20
1,1,2-Trichloroethane	94		90		70-130	4		20
Tetrachloroethene	92		88		70-130	4		20
Chlorobenzene	97		94		75-130	3		20
Trichlorofluoromethane	76		74		62-150	3		20
1,2-Dichloroethane	82		78		70-130	5		20
1,1,1-Trichloroethane	98		92		67-130	6		20
Bromodichloromethane	85		81		67-130	5		20
trans-1,3-Dichloropropene	72		**69**	Q	70-130	4		20
cis-1,3-Dichloropropene	83		80		70-130	4		20
1,1-Dichloropropene	86		83		70-130	4		20
Bromoform	73		67		54-136	9		20
1,1,2,2-Tetrachloroethane	94		95		67-130	1		20
Benzene	96		94		70-130	2		20
Toluene	96		96		70-130	0		20
Ethylbenzene	98		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG848228-1 WG848228-2								
Chloromethane	81		65		64-130	**22**	Q	20
Bromomethane	107		93		39-139	14		20
Vinyl chloride	83		66		55-140	**23**	Q	20
Chloroethane	98		104		55-138	6		20
1,1-Dichloroethene	94		98		61-145	4		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	91		88		70-130	3		20
1,2-Dichlorobenzene	95		93		70-130	2		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	96		95		70-130	1		20
Methyl tert butyl ether	111		110		63-130	1		20
p/m-Xylene	96		94		70-130	2		20
o-Xylene	95		93		70-130	2		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Dibromomethane	90		88		70-130	2		20
1,2,3-Trichloropropane	89		91		64-130	2		20
Acrylonitrile	82		88		70-130	7		20
Styrene	98		96		70-130	2		20
Dichlorodifluoromethane	79		72		36-147	9		20
Acetone	96		90		58-148	6		20
Carbon disulfide	95		98		51-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG848228-1 WG848228-2								
2-Butanone	89		90		63-138	1		20
Vinyl acetate	72		76		70-130	5		20
4-Methyl-2-pentanone	124		124		59-130	0		20
2-Hexanone	66		66		57-130	0		20
Bromochloromethane	101		97		70-130	4		20
2,2-Dichloropropane	**143**	Q	**138**	Q	63-133	4		20
1,2-Dibromoethane	96		89		70-130	8		20
1,3-Dichloropropane	90		88		70-130	2		20
1,1,1,2-Tetrachloroethane	92		88		64-130	4		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	97		92		53-136	5		20
sec-Butylbenzene	98		95		70-130	3		20
tert-Butylbenzene	96		94		70-130	2		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	99		97		70-130	2		20
1,2-Dibromo-3-chloropropane	82		78		41-144	5		20
Hexachlorobutadiene	117		94		63-130	**22**	Q	20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	97		93		70-130	4		20
Naphthalene	110		89		70-130	**21**	Q	20
n-Propylbenzene	101		99		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG848228-1 WG848228-2								
1,2,3-Trichlorobenzene	104		86		70-130	19		20
1,2,4-Trichlorobenzene	109		88		70-130	**21**	Q	20
1,3,5-Trimethylbenzene	97		93		64-130	4		20
1,2,4-Trimethylbenzene	98		96		70-130	2		20
1,4-Dioxane	101		131		56-162	**26**	Q	20
p-Diethylbenzene	96		92		70-130	4		20
p-Ethyltoluene	95		93		70-130	2		20
1,2,4,5-Tetramethylbenzene	97		93		70-130	4		20
Ethyl ether	92		97		59-134	5		20
trans-1,4-Dichloro-2-butene	**47**	Q	**44**	Q	70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		84		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	93		91		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG848228-4 WG848228-5 QC Sample: L1531300-04 Client ID: MW-8R												
Methylene chloride	ND	400	430	109		430	108		70-130	0		20
1,1-Dichloroethane	ND	400	420	106		420	105		70-130	0		20
Chloroform	ND	400	400	99		390	99		70-130	3		20
Carbon tetrachloride	ND	400	380	96		400	99		63-132	5		20
1,2-Dichloropropane	ND	400	420	104		420	105		70-130	0		20
Dibromochloromethane	ND	400	350	87		350	88		63-130	0		20
1,1,2-Trichloroethane	ND	400	400	101		400	100		70-130	0		20
Tetrachloroethene	ND	400	400	101		400	101		70-130	0		20
Chlorobenzene	ND	400	420	104		410	103		75-130	2		20
Trichlorofluoromethane	ND	400	350	87		370	92		62-150	6		20
1,2-Dichloroethane	ND	400	350	87		350	87		70-130	0		20
1,1,1-Trichloroethane	ND	400	410	103		430	107		67-130	5		20
Bromodichloromethane	ND	400	360	91		370	93		67-130	3		20
trans-1,3-Dichloropropene	ND	400	300	74		310	77		70-130	3		20
cis-1,3-Dichloropropene	ND	400	340	85		350	88		70-130	3		20
1,1-Dichloropropene	ND	400	380	96		390	98		70-130	3		20
Bromoform	ND	400	330	82		330	83		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	400	410	103		420	105		67-130	2		20
Benzene	ND	400	420	105		420	106		70-130	0		20
Toluene	ND	400	420	105		420	105		70-130	0		20
Ethylbenzene	ND	400	420	106		420	105		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG848228-4 WG848228-5 QC Sample: L1531300-04 Client ID: MW-8R												
Chloromethane	ND	400	290	74		290	73		64-130	0		20
Bromomethane	ND	400	310	77		340	85		39-139	9		20
Vinyl chloride	ND	400	320	80		320	81		55-140	0		20
Chloroethane	ND	400	460	115		480	119		55-138	4		20
1,1-Dichloroethene	ND	400	430	107		440	111		61-145	2		20
trans-1,2-Dichloroethene	ND	400	420	106		440	109		70-130	5		20
Trichloroethene	ND	400	390	98		400	100		70-130	3		20
1,2-Dichlorobenzene	ND	400	400	101		400	101		70-130	0		20
1,3-Dichlorobenzene	ND	400	410	102		410	102		70-130	0		20
1,4-Dichlorobenzene	ND	400	410	102		410	102		70-130	0		20
Methyl tert butyl ether	ND	400	450	112		460	114		63-130	2		20
p/m-Xylene	ND	800	830	104		820	103		70-130	1		20
o-Xylene	ND	800	820	103		820	102		70-130	0		20
cis-1,2-Dichloroethene	ND	400	430	107		430	108		70-130	0		20
Dibromomethane	ND	400	380	96		390	98		70-130	3		20
1,2,3-Trichloropropane	ND	400	390	98		390	97		64-130	0		20
Acrylonitrile	ND	400	370	93		380	94		70-130	3		20
Styrene	ND	800	850	106		840	105		70-130	1		20
Dichlorodifluoromethane	ND	400	370	92		370	92		36-147	0		20
Acetone	ND	400	400	101		420	105		58-148	5		20
Carbon disulfide	ND	400	420	105		420	105		51-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG848228-4 WG848228-5 QC Sample: L1531300-04 Client ID: MW-8R												
2-Butanone	ND	400	360	90		380	96		63-138	5		20
Vinyl acetate	ND	400	290	72		300	74		70-130	3		20
4-Methyl-2-pentanone	ND	400	510	127		520	130		59-130	2		20
2-Hexanone	ND	400	250	62		280	71		57-130	11		20
Bromochloromethane	ND	400	430	108		430	107		70-130	0		20
2,2-Dichloropropane	ND	400	530	132		540	**136**	Q	63-133	2		20
1,2-Dibromoethane	ND	400	390	98		390	98		70-130	0		20
1,3-Dichloropropane	ND	400	390	98		390	98		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	400	380	96		390	99		64-130	3		20
Bromobenzene	ND	400	410	103		410	103		70-130	0		20
n-Butylbenzene	ND	400	400	100		410	102		53-136	2		20
sec-Butylbenzene	ND	400	410	103		420	106		70-130	2		20
tert-Butylbenzene	ND	400	400	101		410	102		70-130	2		20
o-Chlorotoluene	ND	400	400	100		400	101		70-130	0		20
p-Chlorotoluene	ND	400	410	103		420	104		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	400	350	87		350	87		41-144	0		20
Hexachlorobutadiene	ND	400	400	101		420	105		63-130	5		20
Isopropylbenzene	ND	400	420	106		430	107		70-130	2		20
p-Isopropyltoluene	ND	400	400	100		410	102		70-130	2		20
Naphthalene	2000	400	2400	89		2400	98		70-130	0		20
n-Propylbenzene	ND	400	420	106		430	108		69-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG848228-4 WG848228-5 QC Sample: L1531300-04 Client ID: MW-8R												
1,2,3-Trichlorobenzene	ND	400	370	93		380	96		70-130	3		20
1,2,4-Trichlorobenzene	ND	400	390	98		400	100		70-130	3		20
1,3,5-Trimethylbenzene	ND	400	400	100		400	101		64-130	0		20
1,2,4-Trimethylbenzene	ND	400	410	102		410	103		70-130	0		20
1,4-Dioxane	ND	20000	14000	69		24000	121		56-162	**53**	Q	20
p-Diethylbenzene	ND	400	400	100		410	102		70-130	2		20
p-Ethyltoluene	ND	400	400	100		400	101		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	400	410	102		410	103		70-130	0		20
Ethyl ether	ND	400	410	104		410	103		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	400	220	**55**	Q	240	**60**	Q	70-130	9		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	93		94		70-130
Toluene-d8	101		100		70-130

SEMIVOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01
Client ID: MW-3R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 00:40
Analyst: PS

Date Collected: 11/30/15 12:25
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	0.80	J	ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01 Date Collected: 11/30/15 12:25

Client ID: MW-3R Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	1.5	J	ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	17		10-120
4-Terphenyl-d14	80		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01 D
Client ID: MW-3R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/09/15 18:00
Analyst: KV

Date Collected: 11/30/15 12:25
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.6		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	15		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	ND		ug/l	1.0	0.22	5
Benzo(a)anthracene	5.6		ug/l	1.0	0.08	5
Benzo(a)pyrene	4.1		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	8.1		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	3.0		ug/l	1.0	0.21	5
Chrysene	6.2		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	1.7		ug/l	1.0	0.18	5
Benzo(ghi)perylene	2.9		ug/l	1.0	0.21	5
Fluorene	2.0		ug/l	1.0	0.18	5
Phenanthrene	4.6		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	0.87	J	ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	3.1		ug/l	1.0	0.20	5
Pyrene	12		ug/l	1.0	0.20	5
2-Methylnaphthalene	ND		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-01 D Date Collected: 11/30/15 12:25

Client ID: MW-3R Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	33		10-120
4-Terphenyl-d14	91		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02
Client ID: MW-12
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 01:05
Analyst: PS

Date Collected: 11/30/15 10:40
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02 Date Collected: 11/30/15 10:40

Client ID: MW-12 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	92		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02
Client ID: MW-12
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/09/15 16:58
Analyst: KV

Date Collected: 11/30/15 10:40
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.48		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.25		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.27		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.40		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.16	J	ug/l	0.20	0.04	1
Chrysene	0.25		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.05	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.18	J	ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.10	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	0.18	J	ug/l	0.20	0.04	1
Pyrene	0.53		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-02 Date Collected: 11/30/15 10:40

Client ID: MW-12 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	106		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D
Client ID: MW-2R2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 01:31
Analyst: PS

Date Collected: 11/30/15 12:20
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	50	2.1	10
Bis(2-chloroethyl)ether	ND		ug/l	20	4.1	10
1,2-Dichlorobenzene	ND		ug/l	20	3.0	10
1,3-Dichlorobenzene	ND		ug/l	20	3.5	10
1,4-Dichlorobenzene	ND		ug/l	20	3.2	10
3,3'-Dichlorobenzidine	ND		ug/l	50	4.8	10
2,4-Dinitrotoluene	ND		ug/l	50	10.	10
2,6-Dinitrotoluene	ND		ug/l	50	8.9	10
4-Chlorophenyl phenyl ether	ND		ug/l	20	3.6	10
4-Bromophenyl phenyl ether	ND		ug/l	20	4.3	10
Bis(2-chloroisopropyl)ether	ND		ug/l	20	6.0	10
Bis(2-chloroethoxy)methane	ND		ug/l	50	6.0	10
Hexachlorocyclopentadiene	ND		ug/l	200	5.8	10
Isophorone	ND		ug/l	50	7.9	10
Nitrobenzene	ND		ug/l	20	4.0	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	20	3.4	10
n-Nitrosodi-n-propylamine	ND		ug/l	50	6.4	10
Bis(2-Ethylhexyl)phthalate	ND		ug/l	30	9.3	10
Butyl benzyl phthalate	ND		ug/l	50	11.	10
Di-n-butylphthalate	ND		ug/l	50	7.7	10
Di-n-octylphthalate	ND		ug/l	50	12.	10
Diethyl phthalate	ND		ug/l	50	3.9	10
Dimethyl phthalate	ND		ug/l	50	3.3	10
Biphenyl	48		ug/l	20	2.4	10
4-Chloroaniline	ND		ug/l	50	8.4	10
2-Nitroaniline	ND		ug/l	50	9.6	10
3-Nitroaniline	ND		ug/l	50	6.7	10
4-Nitroaniline	ND		ug/l	50	8.3	10
Dibenzofuran	170		ug/l	20	2.2	10
1,2,4,5-Tetrachlorobenzene	ND		ug/l	100	3.6	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D
Client ID: MW-2R2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 12:20
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	50	4.3	10
2,4,6-Trichlorophenol	ND		ug/l	50	7.8	10
P-Chloro-M-Cresol	ND		ug/l	20	5.4	10
2-Chlorophenol	ND		ug/l	20	5.8	10
2,4-Dichlorophenol	ND		ug/l	50	5.6	10
2,4-Dimethylphenol	ND		ug/l	50	5.8	10
2-Nitrophenol	ND		ug/l	100	10.	10
4-Nitrophenol	ND		ug/l	100	11.	10
2,4-Dinitrophenol	ND		ug/l	200	14.	10
4,6-Dinitro-o-cresol	ND		ug/l	100	14.	10
Phenol	ND		ug/l	50	2.7	10
2-Methylphenol	ND		ug/l	50	7.0	10
3-Methylphenol/4-Methylphenol	ND		ug/l	50	7.2	10
2,4,5-Trichlorophenol	ND		ug/l	50	7.5	10
Benzoic Acid	ND		ug/l	500	10.	10
Benzyl Alcohol	ND		ug/l	20	6.8	10
Carbazole	100		ug/l	20	3.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	87		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D
Client ID: MW-2R2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/15 11:06
Analyst: KV

Date Collected: 11/30/15 12:20
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	540		ug/l	50	8.8	250
2-Chloronaphthalene	ND		ug/l	50	8.8	250
Fluoranthene	110		ug/l	50	9.5	250
Hexachlorobutadiene	ND		ug/l	120	9.0	250
Naphthalene	1300		ug/l	50	11.	250
Benzo(a)anthracene	39	J	ug/l	50	4.0	250
Benzo(a)pyrene	26	J	ug/l	50	9.8	250
Benzo(b)fluoranthene	48	J	ug/l	50	4.0	250
Benzo(k)fluoranthene	20	J	ug/l	50	10.	250
Chrysene	46	J	ug/l	50	9.5	250
Acenaphthylene	ND		ug/l	50	8.8	250
Anthracene	42	J	ug/l	50	8.8	250
Benzo(ghi)perylene	18	J	ug/l	50	10.	250
Fluorene	120		ug/l	50	9.2	250
Phenanthrene	140		ug/l	50	3.8	250
Dibenzo(a,h)anthracene	ND		ug/l	50	9.8	250
Indeno(1,2,3-cd)Pyrene	16	J	ug/l	50	10.	250
Pyrene	83		ug/l	50	10.	250
2-Methylnaphthalene	200		ug/l	50	11.	250
Pentachlorophenol	ND		ug/l	200	55.	250
Hexachlorobenzene	ND		ug/l	200	8.0	250
Hexachloroethane	ND		ug/l	200	7.5	250

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-03 D Date Collected: 11/30/15 12:20

Client ID: MW-2R2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 01:57
Analyst: PS

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	50	2.1	10
Bis(2-chloroethyl)ether	ND		ug/l	20	4.1	10
1,2-Dichlorobenzene	ND		ug/l	20	3.0	10
1,3-Dichlorobenzene	ND		ug/l	20	3.5	10
1,4-Dichlorobenzene	ND		ug/l	20	3.2	10
3,3'-Dichlorobenzidine	ND		ug/l	50	4.8	10
2,4-Dinitrotoluene	ND		ug/l	50	10.	10
2,6-Dinitrotoluene	ND		ug/l	50	8.9	10
4-Chlorophenyl phenyl ether	ND		ug/l	20	3.6	10
4-Bromophenyl phenyl ether	ND		ug/l	20	4.3	10
Bis(2-chloroisopropyl)ether	ND		ug/l	20	6.0	10
Bis(2-chloroethoxy)methane	ND		ug/l	50	6.0	10
Hexachlorocyclopentadiene	ND		ug/l	200	5.8	10
Isophorone	ND		ug/l	50	7.9	10
Nitrobenzene	ND		ug/l	20	4.0	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	20	3.4	10
n-Nitrosodi-n-propylamine	ND		ug/l	50	6.4	10
Bis(2-Ethylhexyl)phthalate	ND		ug/l	30	9.3	10
Butyl benzyl phthalate	ND		ug/l	50	11.	10
Di-n-butylphthalate	ND		ug/l	50	7.7	10
Di-n-octylphthalate	ND		ug/l	50	12.	10
Diethyl phthalate	ND		ug/l	50	3.9	10
Dimethyl phthalate	ND		ug/l	50	3.3	10
Biphenyl	41		ug/l	20	2.4	10
4-Chloroaniline	ND		ug/l	50	8.4	10
2-Nitroaniline	ND		ug/l	50	9.6	10
3-Nitroaniline	ND		ug/l	50	6.7	10
4-Nitroaniline	ND		ug/l	50	8.3	10
Dibenzofuran	180		ug/l	20	2.2	10
1,2,4,5-Tetrachlorobenzene	ND		ug/l	100	3.6	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	50	4.3	10
2,4,6-Trichlorophenol	ND		ug/l	50	7.8	10
P-Chloro-M-Cresol	ND		ug/l	20	5.4	10
2-Chlorophenol	ND		ug/l	20	5.8	10
2,4-Dichlorophenol	ND		ug/l	50	5.6	10
2,4-Dimethylphenol	9.5	J	ug/l	50	5.8	10
2-Nitrophenol	ND		ug/l	100	10.	10
4-Nitrophenol	ND		ug/l	100	11.	10
2,4-Dinitrophenol	ND		ug/l	200	14.	10
4,6-Dinitro-o-cresol	ND		ug/l	100	14.	10
Phenol	ND		ug/l	50	2.7	10
2-Methylphenol	ND		ug/l	50	7.0	10
3-Methylphenol/4-Methylphenol	ND		ug/l	50	7.2	10
2,4,5-Trichlorophenol	ND		ug/l	50	7.5	10
Benzoic Acid	ND		ug/l	500	10.	10
Benzyl Alcohol	ND		ug/l	20	6.8	10
Carbazole	150		ug/l	20	3.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	86		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/15 11:37
Analyst: KV

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	520		ug/l	50	8.8	250
2-Chloronaphthalene	ND		ug/l	50	8.8	250
Fluoranthene	120		ug/l	50	9.5	250
Hexachlorobutadiene	ND		ug/l	120	9.0	250
Naphthalene	1200		ug/l	50	11.	250
Benzo(a)anthracene	36	J	ug/l	50	4.0	250
Benzo(a)pyrene	22	J	ug/l	50	9.8	250
Benzo(b)fluoranthene	38	J	ug/l	50	4.0	250
Benzo(k)fluoranthene	16	J	ug/l	50	10.	250
Chrysene	46	J	ug/l	50	9.5	250
Acenaphthylene	ND		ug/l	50	8.8	250
Anthracene	59		ug/l	50	8.8	250
Benzo(ghi)perylene	ND		ug/l	50	10.	250
Fluorene	130		ug/l	50	9.2	250
Phenanthrene	210		ug/l	50	3.8	250
Dibenzo(a,h)anthracene	ND		ug/l	50	9.8	250
Indeno(1,2,3-cd)Pyrene	ND		ug/l	50	10.	250
Pyrene	89		ug/l	50	10.	250
2-Methylnaphthalene	230		ug/l	50	11.	250
Pentachlorophenol	ND		ug/l	200	55.	250
Hexachlorobenzene	ND		ug/l	200	8.0	250
Hexachloroethane	ND		ug/l	200	7.5	250

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-04 D
Client ID: MW-8R
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 11:00
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 D
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 02:22
Analyst: PS

Date Collected: 11/30/15 10:35
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	50	2.1	10
Bis(2-chloroethyl)ether	ND		ug/l	20	4.1	10
1,2-Dichlorobenzene	ND		ug/l	20	3.0	10
1,3-Dichlorobenzene	ND		ug/l	20	3.5	10
1,4-Dichlorobenzene	ND		ug/l	20	3.2	10
3,3'-Dichlorobenzidine	ND		ug/l	50	4.8	10
2,4-Dinitrotoluene	ND		ug/l	50	10.	10
2,6-Dinitrotoluene	ND		ug/l	50	8.9	10
4-Chlorophenyl phenyl ether	ND		ug/l	20	3.6	10
4-Bromophenyl phenyl ether	ND		ug/l	20	4.3	10
Bis(2-chloroisopropyl)ether	ND		ug/l	20	6.0	10
Bis(2-chloroethoxy)methane	ND		ug/l	50	6.0	10
Hexachlorocyclopentadiene	ND		ug/l	200	5.8	10
Isophorone	ND		ug/l	50	7.9	10
Nitrobenzene	ND		ug/l	20	4.0	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	20	3.4	10
n-Nitrosodi-n-propylamine	ND		ug/l	50	6.4	10
Bis(2-Ethylhexyl)phthalate	ND		ug/l	30	9.3	10
Butyl benzyl phthalate	ND		ug/l	50	11.	10
Di-n-butylphthalate	ND		ug/l	50	7.7	10
Di-n-octylphthalate	ND		ug/l	50	12.	10
Diethyl phthalate	ND		ug/l	50	3.9	10
Dimethyl phthalate	ND		ug/l	50	3.3	10
Biphenyl	ND		ug/l	20	2.4	10
4-Chloroaniline	ND		ug/l	50	8.4	10
2-Nitroaniline	ND		ug/l	50	9.6	10
3-Nitroaniline	ND		ug/l	50	6.7	10
4-Nitroaniline	ND		ug/l	50	8.3	10
Dibenzofuran	4.8	J	ug/l	20	2.2	10
1,2,4,5-Tetrachlorobenzene	ND		ug/l	100	3.6	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 D
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 10:35
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	50	4.3	10
2,4,6-Trichlorophenol	ND		ug/l	50	7.8	10
P-Chloro-M-Cresol	ND		ug/l	20	5.4	10
2-Chlorophenol	ND		ug/l	20	5.8	10
2,4-Dichlorophenol	ND		ug/l	50	5.6	10
2,4-Dimethylphenol	ND		ug/l	50	5.8	10
2-Nitrophenol	ND		ug/l	100	10.	10
4-Nitrophenol	ND		ug/l	100	11.	10
2,4-Dinitrophenol	ND		ug/l	200	14.	10
4,6-Dinitro-o-cresol	ND		ug/l	100	14.	10
Phenol	ND		ug/l	50	2.7	10
2-Methylphenol	ND		ug/l	50	7.0	10
3-Methylphenol/4-Methylphenol	ND		ug/l	50	7.2	10
2,4,5-Trichlorophenol	ND		ug/l	50	7.5	10
Benzoic Acid	ND		ug/l	500	10.	10
Benzyl Alcohol	ND		ug/l	20	6.8	10
Carbazole	88		ug/l	20	3.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	83		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 D
Client ID: MW-7R-2
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/09/15 19:33
Analyst: KV

Date Collected: 11/30/15 10:35
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	17		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	27		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	2.6		ug/l	1.0	0.22	5
Benzo(a)anthracene	7.3		ug/l	1.0	0.08	5
Benzo(a)pyrene	4.8		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	8.6		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	3.2		ug/l	1.0	0.21	5
Chrysene	7.8		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	4.5		ug/l	1.0	0.18	5
Benzo(ghi)perylene	3.0		ug/l	1.0	0.21	5
Fluorene	8.5		ug/l	1.0	0.18	5
Phenanthrene	24		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	1.0		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	3.1		ug/l	1.0	0.20	5
Pyrene	20		ug/l	1.0	0.20	5
2-Methylnaphthalene	1.4		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-05 D Date Collected: 11/30/15 10:35

Client ID: MW-7R-2 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	87		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 D
Client ID: MW-13
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 02:48
Analyst: PS

Date Collected: 11/30/15 08:15
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	50	2.1	10
Bis(2-chloroethyl)ether	ND		ug/l	20	4.1	10
1,2-Dichlorobenzene	ND		ug/l	20	3.0	10
1,3-Dichlorobenzene	ND		ug/l	20	3.5	10
1,4-Dichlorobenzene	ND		ug/l	20	3.2	10
3,3'-Dichlorobenzidine	ND		ug/l	50	4.8	10
2,4-Dinitrotoluene	ND		ug/l	50	10.	10
2,6-Dinitrotoluene	ND		ug/l	50	8.9	10
4-Chlorophenyl phenyl ether	ND		ug/l	20	3.6	10
4-Bromophenyl phenyl ether	ND		ug/l	20	4.3	10
Bis(2-chloroisopropyl)ether	ND		ug/l	20	6.0	10
Bis(2-chloroethoxy)methane	ND		ug/l	50	6.0	10
Hexachlorocyclopentadiene	ND		ug/l	200	5.8	10
Isophorone	ND		ug/l	50	7.9	10
Nitrobenzene	ND		ug/l	20	4.0	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	20	3.4	10
n-Nitrosodi-n-propylamine	ND		ug/l	50	6.4	10
Bis(2-Ethylhexyl)phthalate	ND		ug/l	30	9.3	10
Butyl benzyl phthalate	ND		ug/l	50	11.	10
Di-n-butylphthalate	ND		ug/l	50	7.7	10
Di-n-octylphthalate	ND		ug/l	50	12.	10
Diethyl phthalate	ND		ug/l	50	3.9	10
Dimethyl phthalate	ND		ug/l	50	3.3	10
Biphenyl	ND		ug/l	20	2.4	10
4-Chloroaniline	ND		ug/l	50	8.4	10
2-Nitroaniline	ND		ug/l	50	9.6	10
3-Nitroaniline	ND		ug/l	50	6.7	10
4-Nitroaniline	ND		ug/l	50	8.3	10
Dibenzofuran	2.8	J	ug/l	20	2.2	10
1,2,4,5-Tetrachlorobenzene	ND		ug/l	100	3.6	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 D
Client ID: MW-13
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 08:15
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	50	4.3	10
2,4,6-Trichlorophenol	ND		ug/l	50	7.8	10
P-Chloro-M-Cresol	ND		ug/l	20	5.4	10
2-Chlorophenol	ND		ug/l	20	5.8	10
2,4-Dichlorophenol	ND		ug/l	50	5.6	10
2,4-Dimethylphenol	ND		ug/l	50	5.8	10
2-Nitrophenol	ND		ug/l	100	10.	10
4-Nitrophenol	ND		ug/l	100	11.	10
2,4-Dinitrophenol	ND		ug/l	200	14.	10
4,6-Dinitro-o-cresol	ND		ug/l	100	14.	10
Phenol	ND		ug/l	50	2.7	10
2-Methylphenol	ND		ug/l	50	7.0	10
3-Methylphenol/4-Methylphenol	ND		ug/l	50	7.2	10
2,4,5-Trichlorophenol	ND		ug/l	50	7.5	10
Benzoic Acid	ND		ug/l	500	10.	10
Benzyl Alcohol	ND		ug/l	20	6.8	10
Carbazole	19	J	ug/l	20	3.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	27		10-120
4-Terphenyl-d14	80		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 D
Client ID: MW-13
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/09/15 20:04
Analyst: KV

Date Collected: 11/30/15 08:15
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	8.6		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	46		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	1.3		ug/l	1.0	0.22	5
Benzo(a)anthracene	22		ug/l	1.0	0.08	5
Benzo(a)pyrene	20		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	38		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	12		ug/l	1.0	0.21	5
Chrysene	25		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	3.9		ug/l	1.0	0.18	5
Benzo(ghi)perylene	15		ug/l	1.0	0.21	5
Fluorene	4.8		ug/l	1.0	0.18	5
Phenanthrene	13		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	4.6		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	15		ug/l	1.0	0.20	5
Pyrene	38		ug/l	1.0	0.20	5
2-Methylnaphthalene	0.50	J	ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-06 D Date Collected: 11/30/15 08:15

Client ID: MW-13 Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	83		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 03:14
Analyst: PS

Date Collected: 11/30/15 13:00
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 Date Collected: 11/30/15 13:00

Client ID: FIELD BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	94		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/15 19:31
Analyst: KV

Date Collected: 11/30/15 13:00
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.43		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.05	J	ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 Date Collected: 11/30/15 13:00

Client ID: FIELD BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	111		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 RE
Client ID: FIELD BLANK
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/12/15 17:51
Analyst: KV

Date Collected: 11/30/15 13:00
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/11/15 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-07 RE Date Collected: 11/30/15 13:00

Client ID: FIELD BLANK Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	86		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09
Client ID: MW-3R DUP
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/15 13:44
Analyst: KV

Date Collected: 11/30/15 11:30
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.5		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	20		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.08	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	8.9		ug/l	0.20	0.02	1
Benzo(a)pyrene	7.7		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	20		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	6.7		ug/l	0.20	0.04	1
Chrysene	10		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	1.9		ug/l	0.20	0.04	1
Benzo(ghi)perylene	6.5		ug/l	0.20	0.04	1
Fluorene	2.6		ug/l	0.20	0.04	1
Phenanthrene	7.1		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	1.9		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	6.3		ug/l	0.20	0.04	1
Pyrene	16		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09 Date Collected: 11/30/15 11:30

Client ID: MW-3R DUP Date Received: 11/30/15

Sample Location: 170 ROUTE 303 ORANGEBURG, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	98		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09 D
Client ID: MW-3R DUP
Sample Location: 170 ROUTE 303 ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/10/15 03:40
Analyst: PS

Date Collected: 11/30/15 11:30
Date Received: 11/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	50	2.1	10
Bis(2-chloroethyl)ether	ND		ug/l	20	4.1	10
1,2-Dichlorobenzene	ND		ug/l	20	3.0	10
1,3-Dichlorobenzene	ND		ug/l	20	3.5	10
1,4-Dichlorobenzene	ND		ug/l	20	3.2	10
3,3'-Dichlorobenzidine	ND		ug/l	50	4.8	10
2,4-Dinitrotoluene	ND		ug/l	50	10.	10
2,6-Dinitrotoluene	ND		ug/l	50	8.9	10
4-Chlorophenyl phenyl ether	ND		ug/l	20	3.6	10
4-Bromophenyl phenyl ether	ND		ug/l	20	4.3	10
Bis(2-chloroisopropyl)ether	ND		ug/l	20	6.0	10
Bis(2-chloroethoxy)methane	ND		ug/l	50	6.0	10
Hexachlorocyclopentadiene	ND		ug/l	200	5.8	10
Isophorone	ND		ug/l	50	7.9	10
Nitrobenzene	ND		ug/l	20	4.0	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	20	3.4	10
n-Nitrosodi-n-propylamine	ND		ug/l	50	6.4	10
Bis(2-Ethylhexyl)phthalate	ND		ug/l	30	9.3	10
Butyl benzyl phthalate	ND		ug/l	50	11.	10
Di-n-butylphthalate	ND		ug/l	50	7.7	10
Di-n-octylphthalate	ND		ug/l	50	12.	10
Diethyl phthalate	ND		ug/l	50	3.9	10
Dimethyl phthalate	ND		ug/l	50	3.3	10
Biphenyl	ND		ug/l	20	2.4	10
4-Chloroaniline	ND		ug/l	50	8.4	10
2-Nitroaniline	ND		ug/l	50	9.6	10
3-Nitroaniline	ND		ug/l	50	6.7	10
4-Nitroaniline	ND		ug/l	50	8.3	10
Dibenzofuran	ND		ug/l	20	2.2	10
1,2,4,5-Tetrachlorobenzene	ND		ug/l	100	3.6	10

Project Name: ORANGEBURG COMMONS **Lab Number:** L1531300

Project Number: ORANGEBURG COMMO **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531300-09 D
Client ID: MW-3R DUP
Sample Location: 170 ROUTE 303 ORANGEBURG, NY

Date Collected: 11/30/15 11:30
Date Received: 11/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	50	4.3	10
2,4,6-Trichlorophenol	ND		ug/l	50	7.8	10
P-Chloro-M-Cresol	ND		ug/l	20	5.4	10
2-Chlorophenol	ND		ug/l	20	5.8	10
2,4-Dichlorophenol	ND		ug/l	50	5.6	10
2,4-Dimethylphenol	ND		ug/l	50	5.8	10
2-Nitrophenol	ND		ug/l	100	10.	10
4-Nitrophenol	ND		ug/l	100	11.	10
2,4-Dinitrophenol	ND		ug/l	200	14.	10
4,6-Dinitro-o-cresol	ND		ug/l	100	14.	10
Phenol	ND		ug/l	50	2.7	10
2-Methylphenol	ND		ug/l	50	7.0	10
3-Methylphenol/4-Methylphenol	ND		ug/l	50	7.2	10
2,4,5-Trichlorophenol	ND		ug/l	50	7.5	10
Benzoic Acid	ND		ug/l	500	10.	10
Benzyl Alcohol	ND		ug/l	20	6.8	10
Carbazole	ND		ug/l	20	3.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**16**	Q	21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	11		10-120
4-Terphenyl-d14	84		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/08/15 22:58
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09 Batch: WG846934-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/08/15 22:58
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09 Batch: WG846934-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	98		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/08/15 18:36
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07,09 Batch: WG846935-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/08/15 18:36
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 12/05/15 00:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07,09 Batch: WG846935-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	116		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/12/15 16:36
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 12/11/15 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG848957-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1531300
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/12/15 16:36
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 12/11/15 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG848957-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 Batch: WG846934-2 WG846934-3								
1,2,4-Trichlorobenzene	60		79		39-98	27		30
Bis(2-chloroethyl)ether	64		84		40-140	27		30
1,2-Dichlorobenzene	56		73		40-140	26		30
1,3-Dichlorobenzene	54		70		40-140	26		30
1,4-Dichlorobenzene	55		71		36-97	25		30
3,3'-Dichlorobenzidine	**33**	Q	52		40-140	**45**	Q	30
2,4-Dinitrotoluene	78		**105**	Q	24-96	30		30
2,6-Dinitrotoluene	80		105		40-140	27		30
4-Chlorophenyl phenyl ether	73		98		40-140	29		30
4-Bromophenyl phenyl ether	73		97		40-140	28		30
Bis(2-chloroisopropyl)ether	67		87		40-140	26		30
Bis(2-chloroethoxy)methane	69		90		40-140	26		30
Hexachlorocyclopentadiene	77		96		40-140	22		30
Isophorone	71		92		40-140	26		30
Nitrobenzene	72		93		40-140	25		30
NitrosoDiPhenylAmine(NDPA)/DPA	68		92		40-140	30		30
n-Nitrosodi-n-propylamine	66		88		29-132	29		30
Bis(2-Ethylhexyl)phthalate	80		107		40-140	29		30
Butyl benzyl phthalate	81		107		40-140	28		30
Di-n-butylphthalate	79		104		40-140	27		30
Di-n-octylphthalate	82		110		40-140	29		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 Batch: WG846934-2 WG846934-3								
Diethyl phthalate	73		97		40-140	28		30
Dimethyl phthalate	72		96		40-140	29		30
Biphenyl	67		89		54-104	28		30
4-Chloroaniline	44		61		40-140	**32**	Q	30
2-Nitroaniline	76		103		52-143	30		30
3-Nitroaniline	44		56		25-145	24		30
4-Nitroaniline	64		91		51-143	**35**	Q	30
Dibenzofuran	71		93		40-140	27		30
1,2,4,5-Tetrachlorobenzene	64		86		2-134	29		30
Acetophenone	76		100		39-129	27		30
2,4,6-Trichlorophenol	74		103		30-130	**33**	Q	30
P-Chloro-M-Cresol	72		95		23-97	28		30
2-Chlorophenol	65		83		27-123	24		30
2,4-Dichlorophenol	74		99		30-130	29		30
2,4-Dimethylphenol	**22**	Q	51		30-130	**79**	Q	30
2-Nitrophenol	74		98		30-130	28		30
4-Nitrophenol	47		63		10-80	29		30
2,4-Dinitrophenol	64		76		20-130	17		30
4,6-Dinitro-o-cresol	71		91		20-164	25		30
Phenol	29		39		12-110	29		30
2-Methylphenol	49		69		30-130	**34**	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 Batch: WG846934-2 WG846934-3								
3-Methylphenol/4-Methylphenol	52		70		30-130	30		30
2,4,5-Trichlorophenol	78		104		30-130	29		30
Benzoic Acid	14		13		10-110	7		30
Benzyl Alcohol	59		76		15-110	25		30
Carbazole	72		98		55-144	**31**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		58		21-120
Phenol-d6	30		39		10-120
Nitrobenzene-d5	72		94		23-120
2-Fluorobiphenyl	73		95		15-120
2,4,6-Tribromophenol	72		101		10-120
4-Terphenyl-d14	79		104		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07,09 Batch: WG846935-2 WG846935-3								
Acenaphthene	91		86		37-111	6		40
2-Chloronaphthalene	98		91		40-140	7		40
Fluoranthene	106		101		40-140	5		40
Hexachlorobutadiene	104		94		40-140	10		40
Naphthalene	86		81		40-140	6		40
Benzo(a)anthracene	93		88		40-140	6		40
Benzo(a)pyrene	92		87		40-140	6		40
Benzo(b)fluoranthene	100		96		40-140	4		40
Benzo(k)fluoranthene	91		84		40-140	8		40
Chrysene	91		87		40-140	4		40
Acenaphthylene	88		82		40-140	7		40
Anthracene	90		83		40-140	8		40
Benzo(ghi)perylene	95		90		40-140	5		40
Fluorene	95		90		40-140	5		40
Phenanthrene	92		87		40-140	6		40
Dibenzo(a,h)anthracene	95		90		40-140	5		40
Indeno(1,2,3-cd)Pyrene	96		91		40-140	5		40
Pyrene	101		96		26-127	5		40
2-Methylnaphthalene	93		87		40-140	7		40
Pentachlorophenol	87		80		9-103	8		40
Hexachlorobenzene	99		95		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07,09 Batch: WG846935-2 WG846935-3								
Hexachloroethane	80		71		40-140	12		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		50		21-120
Phenol-d6	43		40		10-120
Nitrobenzene-d5	109		100		23-120
2-Fluorobiphenyl	108		99		15-120
2,4,6-Tribromophenol	**131**	Q	119		10-120
4-Terphenyl-d14	121		112		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG848957-2 WG848957-3								
Acenaphthene	84		86		37-111	2		40
2-Chloronaphthalene	86		87		40-140	1		40
Fluoranthene	95		92		40-140	3		40
Hexachlorobutadiene	73		75		40-140	3		40
Naphthalene	76		80		40-140	5		40
Benzo(a)anthracene	95		94		40-140	1		40
Benzo(a)pyrene	99		97		40-140	2		40
Benzo(b)fluoranthene	98		101		40-140	3		40
Benzo(k)fluoranthene	91		89		40-140	2		40
Chrysene	86		85		40-140	1		40
Acenaphthylene	89		89		40-140	0		40
Anthracene	92		89		40-140	3		40
Benzo(ghi)perylene	93		91		40-140	2		40
Fluorene	89		91		40-140	2		40
Phenanthrene	91		88		40-140	3		40
Dibenzo(a,h)anthracene	97		95		40-140	2		40
Indeno(1,2,3-cd)Pyrene	101		99		40-140	2		40
Pyrene	92		89		26-127	3		40
2-Methylnaphthalene	79		82		40-140	4		40
Pentachlorophenol	83		83		9-103	0		40
Hexachlorobenzene	86		83		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1531300

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG848957-2 WG848957-3								
Hexachloroethane	72		77		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		53		21-120
Phenol-d6	36		38		10-120
Nitrobenzene-d5	76		80		23-120
2-Fluorobiphenyl	80		81		15-120
2,4,6-Tribromophenol	92		91		10-120
4-Terphenyl-d14	84		80		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 QC Batch ID: WG846934-4 WG846934-5 QC Sample: L1531300-04 Client ID: MW-8R												
1,2,4-Trichlorobenzene	ND	40	26	65		22	55		39-98	17		30
Bis(2-chloroethyl)ether	ND	40	26	65		21	53		40-140	21		30
1,2-Dichlorobenzene	ND	40	24	60		20	50		40-140	18		30
1,3-Dichlorobenzene	ND	40	23	58		19	48		40-140	19		30
1,4-Dichlorobenzene	ND	40	24	60		20	50		36-97	18		30
3,3'-Dichlorobenzidine	ND	40	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	40	34	85		27	68		24-96	23		30
2,6-Dinitrotoluene	ND	40	35	88		27	68		40-140	26		30
4-Chlorophenyl phenyl ether	ND	40	32	80		25	63		40-140	25		30
4-Bromophenyl phenyl ether	ND	40	32	80		25	63		40-140	25		30
Bis(2-chloroisopropyl)ether	ND	40	27	68		22	55		40-140	20		30
Bis(2-chloroethoxy)methane	ND	40	30	75		23	58		40-140	26		30
Hexachlorocyclopentadiene	ND	40	28	70		24	60		40-140	15		30
Isophorone	ND	40	31	78		24	60		40-140	25		30
Nitrobenzene	ND	40	30	75		24	60		40-140	22		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	27	68		24	60		40-140	12		30
n-Nitrosodi-n-propylamine	ND	40	30	75		23	58		29-132	26		30
Bis(2-Ethylhexyl)phthalate	ND	40	34	85		27	68		40-140	23		30
Butyl benzyl phthalate	ND	40	33	83		28	70		40-140	16		30
Di-n-butylphthalate	ND	40	33	83		26	65		40-140	24		30
Di-n-octylphthalate	ND	40	34	85		28	70		40-140	19		30

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 QC Batch ID: WG846934-4 WG846934-5 QC Sample: L1531300-04 Client ID: MW-8R												
Diethyl phthalate	ND	40	32	80		26	65		40-140	21		30
Dimethyl phthalate	ND	40	31	78		25	63		40-140	21		30
Biphenyl	41	40	57	**40**	Q	51	**25**	Q	54-104	11		30
4-Chloroaniline	ND	40	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2-Nitroaniline	ND	40	34	85		26	65		52-143	27		30
3-Nitroaniline	ND	40	ND	**0**	Q	ND	**0**	Q	25-145	NC		30
4-Nitroaniline	ND	40	2.7J	**7**	Q	3.7J	**9**	Q	51-143	**31**	Q	30
Dibenzofuran	180	40	140	**0**	Q	130	**0**	Q	40-140	7		30
1,2,4,5-Tetrachlorobenzene	ND	40	28	70		24	60		2-134	15		30
Acetophenone	ND	40	34	85		27	68		39-129	23		30
2,4,6-Trichlorophenol	ND	40	33	83		27	68		30-130	20		30
P-Chloro-M-Cresol	ND	40	33	83		27	68		23-97	20		30
2-Chlorophenol	ND	40	26	65		21	53		27-123	21		30
2,4-Dichlorophenol	ND	40	32	80		26	65		30-130	21		30
2,4-Dimethylphenol	9.5J	40	15	38		18	45		30-130	18		30
2-Nitrophenol	ND	40	31	78		24	60		30-130	25		30
4-Nitrophenol	ND	40	30	75		22	55		10-80	**31**	Q	30
2,4-Dinitrophenol	ND	40	28	70		23	58		20-130	20		30
4,6-Dinitro-o-cresol	ND	40	30	75		25	63		20-164	18		30
Phenol	ND	40	14	35		9.5	24		12-110	**38**	Q	30
2-Methylphenol	ND	40	19	48		18	45		30-130	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09 QC Batch ID: WG846934-4 WG846934-5 QC Sample: L1531300-04 Client ID: MW-8R												
3-Methylphenol/4-Methylphenol	ND	40	25	63		23	58		30-130	8		30
2,4,5-Trichlorophenol	ND	40	36	90		27	68		30-130	29		30
Benzoic Acid	ND	40	16J	40		11.J	28		10-110	**37**	Q	30
Benzyl Alcohol	ND	40	27	68		20	50		15-110	30		30
Carbazole	150	40	130	**0**	Q	140	**0**	Q	55-144	7		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	75		64		10-120
2-Fluorobiphenyl	82		64		15-120
2-Fluorophenol	48		35		21-120
4-Terphenyl-d14	79		66		41-149
Nitrobenzene-d5	77		59		23-120
Phenol-d6	36		24		10-120

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1531300-01A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-01B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-01C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-01D	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-01E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-02A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-02B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-02C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-02D	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-02E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-03A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-03B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-03C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-03D	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-03E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04A	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04A1	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04A2	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04B	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04B1	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04B2	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04C	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04C1	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1531300-04C2	Vial HCl preserved	C	N/A	2.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1531300
Report Date: 12/14/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1531300-04D	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04D1	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04D2	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04E	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04E1	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-04E2	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-05A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-05B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-05C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-05D	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-05E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-06A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-06B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-06C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-06D	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-06E	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-07A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-07B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-07C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1531300-07D	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-07E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-08A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-08B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-09A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-09B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-09C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1531300-09D	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1531300-09E	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1531300
Project Number:	ORANGEBURG COMMONS	**Report Date:**	12/14/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1531300
Project Number:	ORANGEBURG COMMONS	**Report Date:**	12/14/15

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1531300
Project Number:	ORANGEBURG COMMONS	**Report Date:**	12/14/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/30/15

ALPHA Job #: L1531300

Client Information
Client: TAHEN ENVI.
Address: 121 W 27th Street, NY, NY 10001
Phone: (646-664-2332
Fax:
Email: mcarroll@tenen-env.com

Project Information
Project Name: ORANGEBURG COMMONS
Project Location: 170 ROUTE 303, ORANGEBURG, NY
Project #: ORANGEBURG COMMONS
(Use Project name as Project #) [X]
Project Manager: MATT CARROLL
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[X] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
NYTCL-8260
NYTCL-8270

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270	Total Bottle	Sample Specific Comments
31300 -01	MW-3R	11/30/15	1225	W	KM	X	X		
-02	MW-12	11/30/15	1040	W	KM	X	X		
-03	MW-2R2	11/30/15	1220	W	KM	X	X		*ANALYZE IF POSSIBLE
-04	MW-8R	"	1100	W	KM	X	X		
-04	MW-8RMS	"	1110	W	KM	X	X		
-04	MW-8RMSD	"	1120	W	KM	X	X		
-05	MW-7R-2	"	1035	W	KM	X	X		
-06	MW-13	"	0915	W	KM	X	X		
-07	FIELDBLANK	*	1300	W	KM	X	X		
-08	TRIPBLANK	—	—	W	—	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
	11/30/15 1134		11/30/15 1515
	11/30/15 1830		11/30-15 1830
	11/30/15 2250		11/30/15 2250

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 11/30/15

ALPHA Job #: L1531300

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Orangeburg Commons
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Client Information

Client: Tenen
Address: 121 W 27th Street
NY, NY, 10001
Phone: 646-606-2332
Fax:
Email: mcarroll@tenen-env.com

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	NYTCL 8270	Sample Specific Comments	Total Bottle
31300 -09	MW-3R-DUP	11/30/15	1130	W	KM	X	X		

Container Type	V	A
Preservative	B	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/30/15 1530	[signature] AAL	11/30/15 1515
[signature]	11/30/15 1830	[signature]	11-30-15 1830
[signature]	11/30/15 2250	[signature] AAL	11/30/15 2250

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1606513
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 303 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG COMMONS
Project Number:	ORANGEBURG COMMONS
Report Date:	03/18/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1606513-01	MW-13	WATER	170 RTE 303	03/08/16 08:40	03/08/16
L1606513-02	MW-6R	WATER	170 RTE 303	03/08/16 10:05	03/08/16
L1606513-03	MW-12	WATER	170 RTE 303	03/08/16 12:20	03/08/16
L1606513-04	MW-7R-2	WATER	170 RTE 303	03/08/16 09:55	03/08/16
L1606513-05	MW-8R	WATER	170 RTE 303	03/08/16 11:20	03/08/16
L1606513-06	MW-3	WATER	170 RTE 303	03/08/16 12:20	03/08/16
L1606513-07	MW-3 DUP	WATER	170 RTE 303	03/08/16 12:30	03/08/16
L1606513-08	MW-2R-2	WATER	170 RTE 303	03/08/16 14:05	03/08/16
L1606513-09	FIELD BLANK	WATER	170 RTE 303	03/08/16 14:30	03/08/16
L1606513-10	TRIP BLANK	WATER	170 RTE 303	03/08/16 00:00	03/08/16

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS
Lab Number: L1606513
Report Date: 03/18/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1606513
Project Number:	ORANGEBURG COMMONS	**Report Date:**	03/18/16

Case Narrative (continued)

Report Submission

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

Sample Receipt

A Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed.

Semivolatile Organics by SIM

L1606513-01, -04, -06, and -07: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1606513-05 and -08: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 03/18/16

ORGANICS

VOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01
Client ID: MW-13
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 17:09
Analyst: PD

Date Collected: 03/08/16 08:40
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01 Date Collected: 03/08/16 08:40

Client ID: MW-13 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01 Date Collected: 03/08/16 08:40

Client ID: MW-13 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02
Client ID: MW-6R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 17:38
Analyst: PD

Date Collected: 03/08/16 10:05
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.25	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02 Date Collected: 03/08/16 10:05

Client ID: MW-6R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02 Date Collected: 03/08/16 10:05

Client ID: MW-6R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03
Client ID: MW-12
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 18:06
Analyst: PD

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03 Date Collected: 03/08/16 12:20

Client ID: MW-12 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03 Date Collected: 03/08/16 12:20

Client ID: MW-12 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04
Client ID: MW-7R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 18:34
Analyst: PD

Date Collected: 03/08/16 09:55
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.20	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	1.5	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04 Date Collected: 03/08/16 09:55

Client ID: MW-7R-2 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	11		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04 Date Collected: 03/08/16 09:55

Client ID: MW-7R-2 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 D
Client ID: MW-8R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 19:58
Analyst: PD

Date Collected: 03/08/16 11:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.3	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
1,3-Dichloropropene, Total	ND		ug/l	20	5.8	40
1,1-Dichloropropene	ND		ug/l	100	28.	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	5.8	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	5.7	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 D Date Collected: 03/08/16 11:20

Client ID: MW-8R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
Xylenes, Total	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
1,2-Dichloroethene, Total	ND		ug/l	100	28.	40
Dibromomethane	ND		ug/l	200	40.	40
1,2,3-Trichloropropane	ND		ug/l	100	28.	40
Acrylonitrile	ND		ug/l	200	60.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
Vinyl acetate	ND		ug/l	200	40.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
2,2-Dichloropropane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,3-Dichloropropane	ND		ug/l	100	28.	40
1,1,1,2-Tetrachloroethane	ND		ug/l	100	28.	40
Bromobenzene	ND		ug/l	100	28.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
o-Chlorotoluene	ND		ug/l	100	28.	40
p-Chlorotoluene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Hexachlorobutadiene	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	2300		ug/l	100	28.	40
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 D
Client ID: MW-8R
Sample Location: 170 RTE 303

Date Collected: 03/08/16 11:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
1,4-Dioxane	ND		ug/l	10000	1600	40
p-Diethylbenzene	ND		ug/l	80	28.	40
p-Ethyltoluene	ND		ug/l	80	28.	40
1,2,4,5-Tetramethylbenzene	ND		ug/l	80	26.	40
Ethyl ether	ND		ug/l	100	28.	40
trans-1,4-Dichloro-2-butene	ND		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06
Client ID: MW-3
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 19:02
Analyst: PD

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06 Date Collected: 03/08/16 12:20

Client ID: MW-3 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06 Date Collected: 03/08/16 12:20

Client ID: MW-3 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07
Client ID: MW-3 DUP
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 19:30
Analyst: PD

Date Collected: 03/08/16 12:30
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07 Date Collected: 03/08/16 12:30

Client ID: MW-3 DUP Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07 Date Collected: 03/08/16 12:30

Client ID: MW-3 DUP Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 D
Client ID: MW-2R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 20:27
Analyst: PD

Date Collected: 03/08/16 14:05
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.3	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
1,3-Dichloropropene, Total	ND		ug/l	20	5.8	40
1,1-Dichloropropene	ND		ug/l	100	28.	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	5.8	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	5.7	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 D Date Collected: 03/08/16 14:05

Client ID: MW-2R-2 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
Xylenes, Total	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
1,2-Dichloroethene, Total	ND		ug/l	100	28.	40
Dibromomethane	ND		ug/l	200	40.	40
1,2,3-Trichloropropane	ND		ug/l	100	28.	40
Acrylonitrile	ND		ug/l	200	60.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
Vinyl acetate	ND		ug/l	200	40.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
2,2-Dichloropropane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,3-Dichloropropane	ND		ug/l	100	28.	40
1,1,1,2-Tetrachloroethane	ND		ug/l	100	28.	40
Bromobenzene	ND		ug/l	100	28.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
o-Chlorotoluene	ND		ug/l	100	28.	40
p-Chlorotoluene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Hexachlorobutadiene	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	3400		ug/l	100	28.	40
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 D
Client ID: MW-2R-2
Sample Location: 170 RTE 303

Date Collected: 03/08/16 14:05
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
1,4-Dioxane	ND		ug/l	10000	1600	40
p-Diethylbenzene	ND		ug/l	80	28.	40
p-Ethyltoluene	ND		ug/l	80	28.	40
1,2,4,5-Tetramethylbenzene	ND		ug/l	80	26.	40
Ethyl ether	ND		ug/l	100	28.	40
trans-1,4-Dichloro-2-butene	ND		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09
Client ID: FIELD BLANK
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 16:13
Analyst: PD

Date Collected: 03/08/16 14:30
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09 Date Collected: 03/08/16 14:30

Client ID: FIELD BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.78	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09 Date Collected: 03/08/16 14:30

Client ID: FIELD BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-10
Client ID: TRIP BLANK
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/16/16 16:41
Analyst: PD

Date Collected: 03/08/16 00:00
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-10 Date Collected: 03/08/16 00:00

Client ID: TRIP BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-10 Date Collected: 03/08/16 00:00

Client ID: TRIP BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/16 11:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG874691-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/16 11:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG874691-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/16 11:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG874691-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG874691-1 WG874691-2								
Methylene chloride	103		100		70-130	3		20
1,1-Dichloroethane	118		115		70-130	3		20
Chloroform	108		104		70-130	4		20
Carbon tetrachloride	105		103		63-132	2		20
1,2-Dichloropropane	112		111		70-130	1		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	104		104		70-130	0		20
Tetrachloroethene	95		92		70-130	3		20
Chlorobenzene	103		101		75-130	2		20
Trichlorofluoromethane	102		99		62-150	3		20
1,2-Dichloroethane	109		108		70-130	1		20
1,1,1-Trichloroethane	106		103		67-130	3		20
Bromodichloromethane	106		104		67-130	2		20
trans-1,3-Dichloropropene	106		104		70-130	2		20
cis-1,3-Dichloropropene	106		103		70-130	3		20
1,1-Dichloropropene	110		105		70-130	5		20
Bromoform	103		103		54-136	0		20
1,1,2,2-Tetrachloroethane	107		106		67-130	1		20
Benzene	109		106		70-130	3		20
Toluene	110		108		70-130	2		20
Ethylbenzene	110		106		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG874691-1 WG874691-2								
Chloromethane	121		117		64-130	3		20
Bromomethane	109		98		39-139	11		20
Vinyl chloride	114		110		55-140	4		20
Chloroethane	124		120		55-138	3		20
1,1-Dichloroethene	102		100		61-145	2		20
trans-1,2-Dichloroethene	104		101		70-130	3		20
Trichloroethene	105		101		70-130	4		20
1,2-Dichlorobenzene	101		99		70-130	2		20
1,3-Dichlorobenzene	102		100		70-130	2		20
1,4-Dichlorobenzene	103		100		70-130	3		20
Methyl tert butyl ether	102		103		63-130	1		20
p/m-Xylene	108		106		70-130	2		20
o-Xylene	109		106		70-130	3		20
cis-1,2-Dichloroethene	104		101		70-130	3		20
Dibromomethane	101		99		70-130	2		20
1,2,3-Trichloropropane	113		113		64-130	0		20
Acrylonitrile	112		115		70-130	3		20
Styrene	107		105		70-130	2		20
Dichlorodifluoromethane	104		101		36-147	3		20
Acetone	116		118		58-148	2		20
Carbon disulfide	106		103		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG874691-1 WG874691-2								
2-Butanone	101		106		63-138	5		20
Vinyl acetate	121		117		70-130	3		20
4-Methyl-2-pentanone	99		101		59-130	2		20
2-Hexanone	107		109		57-130	2		20
Bromochloromethane	101		100		70-130	1		20
2,2-Dichloropropane	116		107		63-133	8		20
1,2-Dibromoethane	98		97		70-130	1		20
1,3-Dichloropropane	106		106		70-130	0		20
1,1,1,2-Tetrachloroethane	101		99		64-130	2		20
Bromobenzene	100		98		70-130	2		20
n-Butylbenzene	112		110		53-136	2		20
sec-Butylbenzene	110		108		70-130	2		20
tert-Butylbenzene	108		104		70-130	4		20
o-Chlorotoluene	120		116		70-130	3		20
p-Chlorotoluene	114		112		70-130	2		20
1,2-Dibromo-3-chloropropane	112		111		41-144	1		20
Hexachlorobutadiene	106		100		63-130	6		20
Isopropylbenzene	113		110		70-130	3		20
p-Isopropyltoluene	108		104		70-130	4		20
Naphthalene	91		95		70-130	4		20
n-Propylbenzene	115		112		69-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG874691-1 WG874691-2								
1,2,3-Trichlorobenzene	85		89		70-130	5		20
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	111		108		64-130	3		20
1,2,4-Trimethylbenzene	112		108		70-130	4		20
1,4-Dioxane	124		113		56-162	9		20
p-Diethylbenzene	105		102		70-130	3		20
p-Ethyltoluene	113		110		70-130	3		20
1,2,4,5-Tetramethylbenzene	103		101		70-130	2		20
Ethyl ether	100		101		59-134	1		20
trans-1,4-Dichloro-2-butene	115		111		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		105		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01
Client ID: MW-13
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/18/16 09:37
Analyst: AL

Date Collected: 03/08/16 08:40
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	1.6	J	ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01 Date Collected: 03/08/16 08:40

Client ID: MW-13 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	14		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	87		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01 D
Client ID: MW-13
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 13:13
Analyst: KV

Date Collected: 03/08/16 08:40
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.9		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	18		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	0.30	J	ug/l	1.0	0.22	5
Benzo(a)anthracene	7.3		ug/l	1.0	0.08	5
Benzo(a)pyrene	7.1		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	9.9		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	3.6		ug/l	1.0	0.21	5
Chrysene	7.9		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	3.0		ug/l	1.0	0.18	5
Benzo(ghi)perylene	4.2		ug/l	1.0	0.21	5
Fluorene	3.3		ug/l	1.0	0.18	5
Phenanthrene	4.2		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	1.2		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	4.2		ug/l	1.0	0.20	5
Pyrene	14		ug/l	1.0	0.20	5
2-Methylnaphthalene	ND		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-01 D
Client ID: MW-13
Sample Location: 170 RTE 303

Date Collected: 03/08/16 08:40
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	99		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02
Client ID: MW-6R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 12:58
Analyst: AL

Date Collected: 03/08/16 10:05
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02 Date Collected: 03/08/16 10:05

Client ID: MW-6R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	88		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02
Client ID: MW-6R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/16 07:52
Analyst: KV

Date Collected: 03/08/16 10:05
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.10	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	0.06	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.06	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.09	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-02 Date Collected: 03/08/16 10:05

Client ID: MW-6R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	**132**	Q	10-120
4-Terphenyl-d14	88		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03
Client ID: MW-12
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 13:24
Analyst: AL

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03 Date Collected: 03/08/16 12:20

Client ID: MW-12 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	86		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03
Client ID: MW-12
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/16 08:17
Analyst: KV

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.08	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.06	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	0.05	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.10	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-03 Date Collected: 03/08/16 12:20

Client ID: MW-12 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	102		15-120
2,4,6-Tribromophenol	**145**	Q	10-120
4-Terphenyl-d14	105		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04
Client ID: MW-7R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 14:14
Analyst: AL

Date Collected: 03/08/16 09:55
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	3.1		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04 Date Collected: 03/08/16 09:55

Client ID: MW-7R-2 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	53		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	51		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04 D
Client ID: MW-7R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 13:44
Analyst: KV

Date Collected: 03/08/16 09:55
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	15		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	16		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	3.5		ug/l	1.0	0.22	5
Benzo(a)anthracene	4.4		ug/l	1.0	0.08	5
Benzo(a)pyrene	3.3		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	4.4		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	1.8		ug/l	1.0	0.21	5
Chrysene	4.4		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	4.5		ug/l	1.0	0.18	5
Benzo(ghi)perylene	1.6		ug/l	1.0	0.21	5
Fluorene	7.7		ug/l	1.0	0.18	5
Phenanthrene	19		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	0.51	J	ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	1.8		ug/l	1.0	0.20	5
Pyrene	12		ug/l	1.0	0.20	5
2-Methylnaphthalene	1.1		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-04 D
Client ID: MW-7R-2
Sample Location: 170 RTE 303

Date Collected: 03/08/16 09:55
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	71		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05
Client ID: MW-8R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 14:40
Analyst: AL

Date Collected: 03/08/16 11:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	19		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	84		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 Date Collected: 03/08/16 11:20

Client ID: MW-8R Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	33		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	2.4	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	85		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	77		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 D
Client ID: MW-8R
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/16 09:42
Analyst: KV

Date Collected: 03/08/16 11:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	440		ug/l	20	3.5	100
2-Chloronaphthalene	ND		ug/l	20	3.5	100
Fluoranthene	18	J	ug/l	20	3.8	100
Hexachlorobutadiene	ND		ug/l	50	3.6	100
Naphthalene	1200		ug/l	20	4.3	100
Benzo(a)anthracene	ND		ug/l	20	1.6	100
Benzo(a)pyrene	ND		ug/l	20	3.9	100
Benzo(b)fluoranthene	ND		ug/l	20	1.6	100
Benzo(k)fluoranthene	ND		ug/l	20	4.2	100
Chrysene	ND		ug/l	20	3.8	100
Acenaphthylene	ND		ug/l	20	3.5	100
Anthracene	13	J	ug/l	20	3.5	100
Benzo(ghi)perylene	ND		ug/l	20	4.2	100
Fluorene	110		ug/l	20	3.7	100
Phenanthrene	100		ug/l	20	1.5	100
Dibenzo(a,h)anthracene	ND		ug/l	20	3.9	100
Indeno(1,2,3-cd)Pyrene	ND		ug/l	20	4.0	100
Pyrene	11	J	ug/l	20	4.0	100
2-Methylnaphthalene	200		ug/l	20	4.5	100
Pentachlorophenol	ND		ug/l	80	22.	100
Hexachlorobenzene	ND		ug/l	80	3.2	100
Hexachloroethane	ND		ug/l	80	3.0	100

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-05 D
Client ID: MW-8R
Sample Location: 170 RTE 303

Date Collected: 03/08/16 11:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06
Client ID: MW-3
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 15:05
Analyst: AL

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	0.84	J	ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06 Date Collected: 03/08/16 12:20

Client ID: MW-3 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	1.3	J	ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	99		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06 D
Client ID: MW-3
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 14:46
Analyst: KV

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.8		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	17		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	1.2		ug/l	1.0	0.22	5
Benzo(a)anthracene	7.1		ug/l	1.0	0.08	5
Benzo(a)pyrene	6.5		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	9.2		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	3.6		ug/l	1.0	0.21	5
Chrysene	7.6		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	2.2		ug/l	1.0	0.18	5
Benzo(ghi)perylene	3.4		ug/l	1.0	0.21	5
Fluorene	2.4		ug/l	1.0	0.18	5
Phenanthrene	4.8		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	1.0		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	3.8		ug/l	1.0	0.20	5
Pyrene	13		ug/l	1.0	0.20	5
2-Methylnaphthalene	ND		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-06 D
Client ID: MW-3
Sample Location: 170 RTE 303

Date Collected: 03/08/16 12:20
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	110		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	121		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07
Client ID: MW-3 DUP
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 12:07
Analyst: AL

Date Collected: 03/08/16 12:30
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	0.86	J	ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07 Date Collected: 03/08/16 12:30

Client ID: MW-3 DUP Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	1.3	J	ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	88		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07 D
Client ID: MW-3 DUP
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 16:52
Analyst: KV

Date Collected: 03/08/16 12:30
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.9		ug/l	0.40	0.07	2
2-Chloronaphthalene	ND		ug/l	0.40	0.07	2
Fluoranthene	9.4		ug/l	0.40	0.08	2
Hexachlorobutadiene	ND		ug/l	1.0	0.07	2
Naphthalene	0.21	J	ug/l	0.40	0.09	2
Benzo(a)anthracene	2.4		ug/l	0.40	0.03	2
Benzo(a)pyrene	2.0		ug/l	0.40	0.08	2
Benzo(b)fluoranthene	2.6		ug/l	0.40	0.03	2
Benzo(k)fluoranthene	1.1		ug/l	0.40	0.08	2
Chrysene	2.4		ug/l	0.40	0.08	2
Acenaphthylene	ND		ug/l	0.40	0.07	2
Anthracene	2.0		ug/l	0.40	0.07	2
Benzo(ghi)perylene	1.0		ug/l	0.40	0.08	2
Fluorene	2.4		ug/l	0.40	0.07	2
Phenanthrene	2.8		ug/l	0.40	0.03	2
Dibenzo(a,h)anthracene	0.31	J	ug/l	0.40	0.08	2
Indeno(1,2,3-cd)Pyrene	1.0		ug/l	0.40	0.08	2
Pyrene	7.0		ug/l	0.40	0.08	2
2-Methylnaphthalene	ND		ug/l	0.40	0.09	2
Pentachlorophenol	ND		ug/l	1.6	0.44	2
Hexachlorobenzene	ND		ug/l	1.6	0.06	2
Hexachloroethane	ND		ug/l	1.6	0.06	2

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-07 D
Client ID: MW-3 DUP
Sample Location: 170 RTE 303

Date Collected: 03/08/16 12:30
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	107		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08
Client ID: MW-2R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 15:55
Analyst: AL

Date Collected: 03/08/16 14:05
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	10		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	70		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 Date Collected: 03/08/16 14:05

Client ID: MW-2R-2 Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	3.9	J	ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	7.4		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	18	J	ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	68		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	79		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 D
Client ID: MW-2R-2
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/16 09:11
Analyst: KV

Date Collected: 03/08/16 14:05
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	490		ug/l	20	3.5	100
2-Chloronaphthalene	ND		ug/l	20	3.5	100
Fluoranthene	81		ug/l	20	3.8	100
Hexachlorobutadiene	ND		ug/l	50	3.6	100
Naphthalene	1600		ug/l	20	4.3	100
Benzo(a)anthracene	30		ug/l	20	1.6	100
Benzo(a)pyrene	23		ug/l	20	3.9	100
Benzo(b)fluoranthene	35		ug/l	20	1.6	100
Benzo(k)fluoranthene	14	J	ug/l	20	4.2	100
Chrysene	36		ug/l	20	3.8	100
Acenaphthylene	ND		ug/l	20	3.5	100
Anthracene	23		ug/l	20	3.5	100
Benzo(ghi)perylene	13	J	ug/l	20	4.2	100
Fluorene	120		ug/l	20	3.7	100
Phenanthrene	110		ug/l	20	1.5	100
Dibenzo(a,h)anthracene	ND		ug/l	20	3.9	100
Indeno(1,2,3-cd)Pyrene	15	J	ug/l	20	4.0	100
Pyrene	58		ug/l	20	4.0	100
2-Methylnaphthalene	170		ug/l	20	4.5	100
Pentachlorophenol	ND		ug/l	80	22.	100
Hexachlorobenzene	ND		ug/l	80	3.2	100
Hexachloroethane	ND		ug/l	80	3.0	100

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-08 D
Client ID: MW-2R-2
Sample Location: 170 RTE 303

Date Collected: 03/08/16 14:05
Date Received: 03/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09
Client ID: FIELD BLANK
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/17/16 11:42
Analyst: AL

Date Collected: 03/08/16 14:30
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09 Date Collected: 03/08/16 14:30

Client ID: FIELD BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	87		41-149

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09
Client ID: FIELD BLANK
Sample Location: 170 RTE 303
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/16 08:42
Analyst: KV

Date Collected: 03/08/16 14:30
Date Received: 03/08/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.06	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.20	0.04	1
Chrysene	0.05	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.04	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.06	J	ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.05	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	0.06	J	ug/l	0.20	0.04	1
Pyrene	0.05	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG COMMONS **Lab Number:** L1606513

Project Number: ORANGEBURG COMMO **Report Date:** 03/18/16

SAMPLE RESULTS

Lab ID: L1606513-09 Date Collected: 03/08/16 14:30

Client ID: FIELD BLANK Date Received: 03/08/16

Sample Location: 170 RTE 303 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	**135**	Q	10-120
4-Terphenyl-d14	96		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/16 10:27
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG873746-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM
Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/16 10:27
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG873746-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
P-Chloro-M-Cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/16 10:27
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG873746-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	83		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 15:17
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG873747-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMM

Lab Number: L1606513
Report Date: 03/18/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/16/16 15:17
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 03/15/16 02:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG873747-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	103		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG873746-2 WG873746-3								
1,2,4-Trichlorobenzene	68		73		39-98	7		30
Bis(2-chloroethyl)ether	75		77		40-140	3		30
1,2-Dichlorobenzene	62		66		40-140	6		30
1,3-Dichlorobenzene	60		64		40-140	6		30
1,4-Dichlorobenzene	60		65		36-97	8		30
3,3'-Dichlorobenzidine	89		85		40-140	5		30
2,4-Dinitrotoluene	**100**	Q	**105**	Q	24-96	5		30
2,6-Dinitrotoluene	102		109		40-140	7		30
4-Chlorophenyl phenyl ether	87		91		40-140	4		30
4-Bromophenyl phenyl ether	96		100		40-140	4		30
Bis(2-chloroisopropyl)ether	63		65		40-140	3		30
Bis(2-chloroethoxy)methane	77		81		40-140	5		30
Hexachlorocyclopentadiene	61		66		40-140	8		30
Isophorone	79		82		40-140	4		30
Nitrobenzene	87		96		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	88		91		40-140	3		30
n-Nitrosodi-n-propylamine	75		80		29-132	6		30
Bis(2-Ethylhexyl)phthalate	90		92		40-140	2		30
Butyl benzyl phthalate	102		101		40-140	1		30
Di-n-butylphthalate	89		90		40-140	1		30
Di-n-octylphthalate	104		103		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG873746-2 WG873746-3								
Diethyl phthalate	90		93		40-140	3		30
Dimethyl phthalate	88		94		40-140	7		30
Biphenyl	74		81		54-104	9		30
4-Chloroaniline	53		56		40-140	6		30
2-Nitroaniline	101		105		52-143	4		30
3-Nitroaniline	69		71		25-145	3		30
4-Nitroaniline	88		89		51-143	1		30
Dibenzofuran	84		90		40-140	7		30
1,2,4,5-Tetrachlorobenzene	72		78		2-134	8		30
Acetophenone	83		87		39-129	5		30
2,4,6-Trichlorophenol	94		100		30-130	6		30
P-Chloro-M-Cresol	94		**102**	Q	23-97	8		30
2-Chlorophenol	77		82		27-123	6		30
2,4-Dichlorophenol	89		97		30-130	9		30
2,4-Dimethylphenol	62		50		30-130	21		30
2-Nitrophenol	90		96		30-130	6		30
4-Nitrophenol	46		52		10-80	12		30
2,4-Dinitrophenol	97		108		20-130	11		30
4,6-Dinitro-o-cresol	114		123		20-164	8		30
Phenol	38		42		12-110	10		30
2-Methylphenol	67		72		30-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1606513

Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG873746-2 WG873746-3								
3-Methylphenol/4-Methylphenol	65		69		30-130	6		30
2,4,5-Trichlorophenol	96		102		30-130	6		30
Benzoic Acid	50		58		10-110	15		30
Benzyl Alcohol	59		65		15-110	10		30
Carbazole	84		88		55-144	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		59		21-120
Phenol-d6	40		43		10-120
Nitrobenzene-d5	98		102		23-120
2-Fluorobiphenyl	91		97		15-120
2,4,6-Tribromophenol	89		92		10-120
4-Terphenyl-d14	96		97		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS

Project Number: ORANGEBURG COMMONS

Lab Number: L1606513

Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG873747-2 WG873747-3								
Acenaphthene	96		102		37-111	6		40
2-Chloronaphthalene	91		96		40-140	5		40
Fluoranthene	111		117		40-140	5		40
Hexachlorobutadiene	85		90		40-140	6		40
Naphthalene	92		96		40-140	4		40
Benzo(a)anthracene	105		111		40-140	6		40
Benzo(a)pyrene	113		119		40-140	5		40
Benzo(b)fluoranthene	110		116		40-140	5		40
Benzo(k)fluoranthene	104		108		40-140	4		40
Chrysene	104		111		40-140	7		40
Acenaphthylene	98		104		40-140	6		40
Anthracene	103		108		40-140	5		40
Benzo(ghi)perylene	104		109		40-140	5		40
Fluorene	105		112		40-140	6		40
Phenanthrene	100		106		40-140	6		40
Dibenzo(a,h)anthracene	107		112		40-140	5		40
Indeno(1,2,3-cd)Pyrene	106		111		40-140	5		40
Pyrene	101		107		26-127	6		40
2-Methylnaphthalene	92		97		40-140	5		40
Pentachlorophenol	**107**	Q	**113**	Q	9-103	5		40
Hexachlorobenzene	100		106		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG873747-2 WG873747-3								
Hexachloroethane	90		94		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		67		21-120
Phenol-d6	49		51		10-120
Nitrobenzene-d5	103		108		23-120
2-Fluorobiphenyl	97		102		15-120
2,4,6-Tribromophenol	113		113		10-120
4-Terphenyl-d14	111		116		41-149

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1606513-01A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-01B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-01C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-01D	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-01E	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-02A	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-02B	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-02C	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-02D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-02E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-03A	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-03B	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-03C	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-03D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-03E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-04A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-04B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-04C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-04D	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-04E	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-05A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-05B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-05C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG COMMONS
Project Number: ORANGEBURG COMMONS

Lab Number: L1606513
Report Date: 03/18/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1606513-05D	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-05E	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-06A	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-06B	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-06C	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-06D	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-06E	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-07A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-07B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-07C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1606513-07D	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-07E	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-08A	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-08B	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-08C	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1606513-08D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-08E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-09A	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-09B	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-09C	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-09D	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-09E	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1606513-10A	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1606513-10B	Vial HCl preserved	A	N/A	3.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1606513
Project Number:	ORANGEBURG COMMONS	**Report Date:**	03/18/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORANGEBURG COMMONS	**Lab Number:**	L1606513
Project Number:	ORANGEBURG COMMONS	**Report Date:**	03/18/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 3/8/16

ALPHA Job #: L1606513

Client Information
Client: Tenen Environmental
Address: 121 W 27th St #303
New York, NY 10001
Phone: 6466062332
Fax:
Email: mcarroll@tenen-env.com

Project Information
Project Name: Orangeburg Commons
Project Location: 170 Rte 303
Project #
(Use Project name as Project #) ☒
Project Manager: Matt Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Sample Specific Comments	Total Bottle
01	MW-13	3/8/16	0840	GW	IAM	✓	✓		5
02	MW-6R	3/8/16	1005	GW	IAM	✓	✓		5
03	MW-12	3/8/16	1220	GW	IAM	✓	✓		5
04	MW-7R-2	3/8/16	0955	GW	IAM	✓	✓		5
05	MW-8R	3/8/16	1120	GW	IAM	✓	✓		5
06	MW-3	3/8/16	1220	GW	IAM	✓	✓		5
07	MW-3 DUP	3/8/16	1230	GW	IAM	✓	✓		5
08	MW-2R-2	3/8/16	1405	GW	IAM	✓	✓		5
09	~~(K)~~ Field Blank	3/8/16	1430	W	IAM	✓	✓		5

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
	3/8/16 1530		3/8/16 15:30
	3/9/16 1810		3-8-16 1810
	3/8/16 2325		3/8/16 2325

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)