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REPORT

Eversource Energy

2018 Annual Report
Former Simsbury Area Work Center
34 Hopmeadow Street
Simsbury, Connecticut

April 2019

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EXECUTIVE SUMMARY

Eversource Energy retained Weston & Sampson Engineers, Inc. (Weston & Sampson) to provide Licensed Environmental Professional (LEP) assistance for the former Simsbury Area Work Center (the "Site") located at 34 Hopmeadow Street in Simsbury, Connecticut. Weston & Sampson has prepared this 2018 Annual Report to document the current status of site investigations and remediations. This report is being submitted in accordance with the requirements set forth by the Connecticut Department of Energy and Environmental Protection (DEEP) in a letter sent to The Connecticut Light and Power Company dated February 26, 2002.

This Annual Report summarizes activities which have occurred at the Site over the last year and presents actions planned for the upcoming year. Specifically, nine Areas of Potential Environmental Concern (AOPECs) were originally identified during the 2001 Phase I Environmental Site Assessment. AOPEC #10 was added as a result of two diesel fuel spills which occurred in early 2006. Investigation activities have been completed and an LEP has determined that no further actions are needed at four of the AOPECs (#7, #8, #9 and #10) and for portions of AOPECs #1 (#1A), #3 (#3C and #3E), and #6 (#6A). Final Site Investigation Reports and Completion of Investigation Transmittal Forms were prepared for these AOPECs and submitted to the DEEP in October 2014 and December 2018. The remaining AOPECs (#1B, #1C, #2A, #2B, #2C, #3A, #3B, #3D, #3F, #3G #4, #5, and #6B) are undergoing continued assessment and/or remediation activities, including soil assessment, groundwater monitoring, groundwater flow analysis, and data evaluation.

1.0 INTRODUCTION

1.1 Scope of this Report

Weston & Sampson is providing assistance to Eversource Energy (Eversource) for the investigation and remediation of historical releases at its former Simsbury Area Work Center (the "Site"). The sixty-acre Site is located at 34 Hopmeadow Street in the Weatogue section of Simsbury, Connecticut (Figure 1). Previously, an Environmental Condition Assessment Form (ECAF) was submitted with a Form III Property Transfer Act filing for the Site, which was acknowledged as complete by the Connecticut Department of Energy and Environmental Protection (DEEP) on January 18, 2002. The DEEP subsequently notified Connecticut Light and Power (CL&P) on February 26, 2002, that an environmental professional licensed pursuant to Section 22a-133v of the Connecticut General Statutes may verify the investigation and remediation of the Site. CL&P (now d/b/a Eversource Energy) is the certifying party to the transfer and, while they no longer own or occupy the property, the buildings for CL&P's former operations continue to occupy the Site's central portion. The southern portion was redeveloped for mixed commercial and residential use in circa 2016 and the northern portion remains undeveloped.

This report documents activities that have occurred throughout 2018 and includes a summary of proposed activities and a schedule for 2019.

2.0 BACKGROUND

A variety of investigations have been conducted at this Site. At the time of the ECAF filing (December 2001), the following reports had been prepared:

- *Conceptual Design of the Groundwater Recovery and Treatment Systems at the Simsbury Area Work Center Facility*, Leggette, Brashears & Graham, Inc., September 1990.
- *Phase I Environmental Site Assessment Report, CL&P Service Center Site*, Carroccio-Covill & Associates, LLC (CCA), February 2001.
- *Phase II Environmental Site Assessment Report, CL&P Service Center Site*, CCA, LLC, November 2001.

Subsequent to the submittal of the ECAF, additional investigation reports were completed:

- *Phase II Environmental Site Assessment Addendum for the CL&P Service Center Site*, CCA, LLC, December 12, 2001.
- *Simsbury Area Work Center: 2002 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2003.
- *Simsbury Area Work Center: 2003 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., July 2004.
- *Simsbury Area Work Center: 2004 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., August 2005.
- *Simsbury Area Work Center: 2005 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., May 2006.
- *Simsbury Area Work Center: 2006 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2007.
- *Simsbury Area Work Center: 2007 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2008.
- *Simsbury Area Work Center: 2008 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2009.
- *Simsbury Area Work Center: 2009 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., May 2010.

- *Simsbury Area Work Center: 2010 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2011.

- *Simsbury Area Work Center: 2011 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2012.

- *Simsbury Area Work Center: 2012 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2013.

- *Simsbury Area Work Center:* Environmental Investigation Report - AOPECs #1A, #5, #7A, #7B, #7C, #8, and #9, Weston & Sampson Engineers, Inc., January 2014.

- *Simsbury Area Work Center: 2013 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc., April 2014.

- *Simsbury Area Work Center:* Final Site Investigation Report - AOPECs #1A, #7A, #7B, #7C, #8, and #9, Weston & Sampson Engineers, Inc., February 2015.

- Completion of Investigation Transmittal Form - AOPECs #1A, #7A, #7B, #7C, #8, and #9, Weston & Sampson Engineers, Inc., February 2015.

- *Simsbury Area Work Center: 2014 Annual Environmental Summary Report*, Weston & Sampson Engineers, Inc. May 2015.

- *Simsbury Area Work Center: 2015 Annual Report*, Weston & Sampson Engineers, Inc., April 2016.

- *Simsbury Area Work Center: 2016 Annual Report*, Weston & Sampson Engineers, Inc., April 2017.

- *Simsbury Area Work Center: 2017 Annual Report*, Weston & Sampson Engineers, Inc., April 2018.

All of the reports and documents listed above have been submitted to DEEP. Copies of the Phase I, Phase II and Phase II Addendum reports were submitted to DEEP along with the 2002 Annual Environmental Summary Report in April 2003.

This Annual Report summarizes new soil and groundwater investigations, continuing groundwater monitoring activities, and ongoing remedial efforts. Pertinent current data have been included in this report. Historical data remains on file and is available upon request.

The following AOPECs were identified during the Phase I Environmental Site Assessment (ESA), along with the two diesel fuel spills in early 2006:

- AOPEC #1: Current and former subsurface septic disposal systems;

- AOPEC #2: Current and former subsurface hydraulic vehicle lifts;
- AOPEC #3: Former underground storage tanks (USTs);
- AOPEC #4: Transformer storage areas and loading docks;
- AOPEC #5: Utility pole storage areas;
- AOPEC #6: Three stormwater discharge locations;
- AOPEC #7: The Site as a whole, due to historical agricultural use;
- AOPEC #8: Former railroad track along the eastern border of the Site, and railroad spur on the east side of the central portion of the Site;
- AOPEC #9: A “mound” (soil pile) located in the northeast corner of the southern portion of the Site; and
- AOPEC #10: Two diesel fuel spills north of the service center building.

These AOPECs were organized, as appropriate, into sub-sets. The AOPECs, with descriptions and identified contaminants of concern (COC), are discussed in the following section of this report. Note that in some cases there are overlapping AOPEC locations.

3.0 2018 ACTIVITIES

The prior year (2017) Annual Report outlined continued assessment and remedial activities that were planned and proposed for 2018. These activities included soil and groundwater assessment activities associated with AOPECs #1B, #1C, #2A, #2B, #3A, #3B, #3D, #3F, #4 and #5, continued groundwater monitoring and flow analysis, and data evaluation. The following describes the results of the 2018 assessment activities.

3.1 Soil Investigation

Previous soil investigations of the aforementioned AOPECs occurred in 2001, 2003, 2016 and/or 2017. Based on a review of these investigations, additional testing was deemed necessary to fully evaluate these areas in accordance with DEEP's Site Characterization Guidance Document (SCGD) in support of final LEP verification.

3.1.1 Soil Investigation – January 2018

On January 31, 2018, a Geoprobe® drill rig operated by Cummins EnviroTech, Inc. (CEI - East Lyme, CT) was mobilized to the Site to advance soil borings in AOPECs #2A and #3F. These borings were designated using a 600-series identification. Due to building constraints, the drill rig could not access four of the proposed boring locations (B602 to B605) at AOPEC #2A. To obtain soil samples from these locations, CEI used a saw to cut openings through the concrete floor and Weston & Sampson used a hand auger to retrieve these samples. Additionally, an air knife combined with vacuum extraction in the upper four feet of B601, B606 and B607 was used to clear the borings of utilities beneath the concrete floor prior to using the Geoprobe®.

Information pertaining to these soil borings including sampling depth and COCs is summarized in the table below:

AOPEC	Boring ID	Sampling Intervals (ft)	COCs
2A	B601, B602, B603, B604, B605, B606, B607	0-2ft and 2-4ft (B602 to B605) 8-10ft and 10-12ft (B601, B606, B607)	ETPH, PCBs (B601, B606, B607) ETPH, PCBs, VOCs, PAHs, RCRA 8 Metals (B602 to B605)
3F	B608 to B617	8-10ft, 10-12ft, 12-14ft	ETPH, PAHs, RCRA 8 Metals, Total Lead, SPLP ETPH

ETPH = Extractable Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds
PAHs = Polycyclic Aromatic Hydrocarbons
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
SPLP = Synthetic Precipitation Leaching Procedure

In general, the borings advanced within the building at AOPEC #2A penetrated up to 6 inches of concrete, and the borings completed within AOPEC #3F penetrated 2 to 6 inches of asphalt. Underlying soils consisted of brown, fine to medium sand with little gravel and silt. Groundwater was encountered in each of the borings (except B602 to B605) at depths varying from 12 ft to 14 ft below ground surface (bgs). The water table was not intercepted at borings B602 to B605 as these were hand auger borings that only extended to 4 ft bgs. Evidence of a release, such as staining or odors, was not observed in any of the soil borings.

A calibrated photoionization detector (PID) was used to screen soil for the presence of total volatile organic vapors (TVOVs) at approximate six-inch intervals throughout the Geoprobe® sampling sleeves. No PID readings above background (0.0 parts per million) were observed in any of the borings advanced during this investigation.

Two soil samples were retained for laboratory analysis from each AOPEC #2A boring. One duplicate sample (designated DUP-1) was also collected from sample location B606A for quality assurance/quality control (QA/QC) purposes. Weston & Sampson followed the DEEP "Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds" during collection of VOC soil samples.

Three soil intervals were sampled from each of the borings advanced in AOPEC #3F. Select samples from this AOPEC were activated for laboratory analysis, while the others were placed on hold pending results of the initial samples analyzed.

All soil samples were stored on ice and shipped under chain-of-custody protocols to Con-Test Analytical Laboratory (Con-Test, East Longmeadow, MA), a Connecticut-certified laboratory.

Soil laboratory analytical results are summarized in Table 1. Figures 2 and 3 illustrate soil boring locations in AOPECs #2A and #3F, respectively. Boring logs are included in Appendix A and a copy of the soil analytical laboratory report is included in Appendix B.

3.2 Continued Groundwater Monitoring

As proposed in the 2017 Annual Report, continued groundwater monitoring was performed throughout 2018. Groundwater samples were collected for laboratory analysis from twenty monitoring wells during the year. Monitoring well locations are shown on Figure 4, and laboratory analytical results are summarized in Table 2. A copy of the groundwater analytical laboratory report is included in Appendix C. Groundwater sampling data sheets are provided in Appendix D.

Following notification to DEEP, the groundwater pump and treat system associated with AOPEC #3 was shut down in June 2003. From 2003 through 2006, groundwater monitoring for VOCs occurred annually at wells MW-4R, MW-11A, MW-15, and RW-1. In 2007, the monitoring program was slightly altered, with annual sampling for VOCs continuing at wells MW-11A, MW-15, and RW-1, and semi-annual sampling at MW-4R. Based on a subsequent review in 2017, the sampling frequency and parameters were again modified in 2018. These modifications included the addition of other existing

monitoring wells and/or parameters to 1) satisfy the need to obtain four sampling events over a 2-year period reflective of season variability and/or 2) analyze for constituents of concern not historically tested.

Below is a summary table of the wells included in the current monitoring network, sampling frequency, and COC parameters:

2018 Groundwater Sampling Plan				
Well ID	March	June	September	December
MW-CCA-2	P, V, E	P, V, E	P, V, E	P, V, E
MW-CCA-3	E, S, M	E, S, M	E, S, M	E, S, M
MW-CCA-4	E, P, V, M, S	E, S, M	E, S, M	E, S, M
MW-CCA-5	P, V, E	P, V, E	P, V, E	P, V, E
MW-A1R1	S	S	S	S
MW-TRW1	E, P, V, M			
MW-4R	V, E			
MW-2A	V, E			
MW-11A	V, E			
MW-6	P, E, V, M, S	P, E	P, E	P, E
MW-10	V, E			
MW-15	P, V, E	P, V, E	P, V, E	P, V, E
MW-16	P, V, E, S, M	P, V, E, S, M	P, V, E, S, M	P, V, E, S, M
MW-T3	P, E	P, E	P, E	P, E
MW-T6	E, P, V, M			
MW-200	P, V, E	P, V, E	P, V, E	P, V, E
MW-201	P, V, E	P, V, E	P, V, E	P, V, E
MW-202	P, E	P, E	P, E	P, E
MW-203	P, E	P, E	P, E	P, E
MW-310	P, E	P, E	P, E	P, E
P-PCBs, V-VOCs, E-ETPH, S- SVOCs, M-RCRA 8 Metals				

The analytical results from 2018 revealed no detections of VOCs in any wells, except for MW-10 in AOPEC #3F. Chloroform was detected in this well at a concentration that does not exceed applicable DEEP Remediation Standard Regulation (RSR) criteria. Chloroform, nor any other VOCs, have historically been detected in this well. The continued trend of no observed VOCs in Site wells is similar to previous sampling rounds.

ETPH was detected during multiple sampling events in most AOPECs, but at concentrations that generally do not exceed applicable RSR criteria. However, ETPH in samples MW-202 (AOPEC #2A), MW-310 and MW-T3 (AOPEC #2B), MW-T3 and MW-TRW-1 (AOPEC #3B), and MW-2A (AOPEC #3F) from the March 2018 sampling event did exceed the groundwater protection criteria (GWPC) and surface water protection criteria (SWPC) of 0.25 micrograms per liter (mg/L).

PCBs, a COC in AOPECs #1B, #1C, #2A, #2B or #3B, were not detected.

SVOCs were not detected in any of the wells analyzed in AOPECs #3A, #3B or #3D. One SVOC, benzo(b)fluoranthene, was detected in monitoring well MW-16 from AOPEC #5 during the March 2018 sampling event at a concentration (0.098 ug/L) that exceeds the GWPC (0.08 ug/L).

Select total metals (barium or chromium) were detected in wells from AOPECs #3B, #5 and #6B at concentrations that do not exceed the GWPC or SWPC.

3.3 Groundwater Flow Analysis

To determine groundwater flow directions, depth to water measurements were collected on a quarterly basis in March, June, September, and December 2018. Table 3 summarizes groundwater depth to water and calculated water surface elevations. Figures 5 and 6 illustrate groundwater flow directions for the June and December 2018 gauging events. In general, groundwater flows in a south-southwesterly direction across the Site, which is consistent with prior flow determinations.

3.4 Product Recovery

No measurable oil (light nonaqueous phase liquid [LNAPL]), was detected in any of the monitoring wells located at the Site. LNAPL has not been detected in well TRW-1 since 2005, and well MW-T3 since 2009. Figures 7 and 8 illustrate the historic quarterly monitoring of apparent product thickness in wells MW-T3 and TRW-1, respectively. Historical cumulative product recovery for TRW-1 is shown on Figure 9.

4.0 AOPEC UPDATE AND PROPOSED ACTIVITIES

Additional environmental investigations are planned in 2019 for AOPECs #2B, #3B, #3C, #3F and #3G. In addition, groundwater sampling is expected to continue at AOPECs #1B, #1C, #2A, #2B, #3A, #3B, #3C, #3D, #3F, #3G, #4 and #5 for RSR compliance demonstration.

Soil and groundwater investigations at AOPECs #3E, #6A, and #10 are considered complete and no further action is required. A Final Site Investigation Report and Completion of Investigation Transmittal Form were prepared for these AOPECs and submitted to the DEEP in December 2018. Soil and groundwater investigations are also considered complete and no further action is required at AOPECs #1A, #7A, #7B, #7C, #8, and #9. A Final Site Investigation Report and Completion of Investigation Transmittal Form for these AOPECs were previously submitted to the DEEP in October 2014.

The following presents the current status and proposed 2019 activities for each of the following AOPECs.

4.1 Status Summary and Proposed Actions

4.1.1 AOPEC #1B and #1C: Septic Leach Field

AOPEC #1B: This AOPEC is located north of the former vehicle maintenance garage and serves the same building. The Phase II ESA investigation included the analysis of two soil samples (CCA-5 and TP-2) from this AOPEC. No detections of COCs were found in these samples. However, Weston & Sampson determined that additional testing was needed, as this septic system continued to be used after the previous testing was completed in 2001.

Two borings (B313 and B316) were completed in this AOPEC and converted into groundwater monitoring wells (MW-200 and MW-201) in 2017. Boring B313 (MW-200) is located on the upgradient side of the septic leach field and boring B316 (MW-201) is located on the downgradient side. A calibrated PID was used to screen soil for the presence of VOCs in each of the borings, and no VOC readings above background were noted. One soil sample was collected from each boring at 8 to10 ft bgs, which matched the previous testing depth completed by CCA in 2001. This depth is believed to be just below the septic system elevation. The samples were tested for PCBs, ETPH and VOCs. The analytical results revealed no detections of COCs above laboratory detection limits. Based on these findings, no further soil investigations are planned for this AOPEC.

The new monitoring wells (MW-200 and MW-201) and existing well (MW-CCA-5) were sampled in May 2017 to document water quality in and downgradient of the septic leach field. Groundwater samples were analyzed for PCBs, ETPH, and VOCs. No COCs were detected above laboratory reporting limits. Based on the initial data, groundwater quality in this area appeared to have not been impacted by releases from the septic system. However, to meet RSR compliance, these monitoring wells were sampled during each quarter of 2018 and analyzed for the same COCs. PCBs and VOCs were not detected throughout the four quarters. ETPH was detected in each of the wells for two or more

quarters at concentrations ranging from 0.084 mg/L to 0.21 mg/L. None of the detected ETPH concentrations exceed the GWPC or SWPC.

Based on the 2017 and 2018 results, sampling for PCBs and VOCs will be discontinued at these three wells. However, continued monitoring in 2019 for ETPH is needed due to recurring detections. Therefore, Weston & Sampson proposes collecting one additional round of quarterly of groundwater samples from wells MW-200, MW-201 and MW-CCA5 for ETPH testing.

AOPEC #1C: This AOPEC is located south of the former Substation Maintenance (SSM) building and the Construction, Testing, and Maintenance (CT&M) building, and serves both buildings. The Phase II ESA investigation analyzed two soil samples (CCA-2 and TP-1) from this AOPEC. No detections of COCs were found in these samples. Additional testing was needed because the septic system continued to be used after the previous testing was completed in 2001.

Two borings (B331 and B332) were advanced on the upgradient and downgradient sides of this AOPEC in 2017. A calibrated PID was used to screen soil for the presence of VOCs, and no readings above background were noted. One soil sample was collected from each boring at 8 to 10 ft bgs, which matched the previous testing depth completed by CCA in 2001 and is believed to be just below the septic system elevation. Soil samples were tested for PCBs, ETPH and VOCs. The analytical results revealed no detections of COCs above laboratory detection limits. Based on these findings, no further soil investigations are planned for this AOPEC.

During 2017, existing monitoring wells MW-CCA2, MW-15, and MW-16 were sampled in May and July to document water quality upgradient and downgradient of the septic leach field. Groundwater samples were analyzed for PCBs, ETPH, and VOCs. VOCs and PCBs were not detected above laboratory reporting limits in any of the wells during May or July. ETPH was detected in each of the wells during the May event at a concentration below applicable RSR criteria. ETPH was not detected during the July sampling event. To meet RSR compliance requirements, these wells were sampled during each quarter of 2018 and analyzed for the same COCs. PCBs and VOCs were not detected throughout the four quarters. ETPH was detected in each of the wells for two or more quarters at concentrations ranging from 0.078 mg/L to 0.16 mg/L. None of the detected ETPH concentrations exceed the GWPC or SWPC.

Based on the 2017 and 2018 results, sampling for PCBs and VOCs will be discontinued at these wells. However, continued monitoring in 2019 for ETPH is needed due to recurring detections. Therefore, Weston & Sampson proposes collecting one additional round of quarterly of groundwater samples from wells MW-15, MW-16, and MW-CCA2 for ETPH testing.

4.1.2 AOPEC #2A and #2B: Hydraulic Lifts (existing and former)

AOPEC 2A: This AOPEC includes existing hydraulic lifts located inside the former vehicle service garage. The Phase II ESA investigation included soil samples obtained from borings B-6, B-7 and B-8. An ETPH detection of 1,500 mg/kg at 8 to 12 ft bgs from boring B-6 prompted further investigated in 2017 and 2018.

In 2017, six interior borings were advanced proximal to boring B-6 (B301 to B305 and B6A), and five additional borings (B313, B316 to B319) were advanced outside of the garage to define the nature and extent of ETPH impacts in this AOPEC. Multi-depth sampling was performed at B6A to vertically profile the ETPH impacts previously identified at boring B-6. One soil sample was analyzed from borings B301 through B305, generally targeting the 8 to 12-foot depth interval where ETPH had previously been identified in 2001. The results identified ETPH in four samples, but at concentrations below RSR criteria. Select soil samples were also tested for PCBs. No PCBs were detected in these samples.

In 2018, additional borings were advanced at and east of boring B-301, in which ETPH was previously detected at the RES DEC (500 mg/kg), to fully assess the nature and extent of impacts in this area. Borings were also advanced within a former chemical storage room that was not previously investigated prior to Eversource vacating the building. Multi-depth soil sampling from 8 to 10 and 10 to 12 ft bgs was completed at borings B601, B606 and B607 (vehicle lifts area) and from 0 to 2 and 2 to 4 ft bgs at borings B602 to B605 (chemical storage area) to identify potential releases. The samples collected near the former in-ground lifts were submitted for ETPH and PCB analysis. PCBs were not detected in any of the samples. ETPH was detected in samples from boring B601 and B606. The detected ETPH concentration in sample B606A from 8 to 10 ft bgs was 520 mg/kg, which exceeds the RES DEC and GA PMC. ETPH was detected at a concentration below RSR criteria from a deeper sample collected from boring B-606 at10 to 12 ft bgs (B606B). Samples collected from the four borings within the former chemical storage area were analyzed for PCBs VOCs, SVOCs, ETPH and Total RCRA 8 metals. PCBs were not detected in any of these samples. VOCs, SVOCs, ETPH and some total metals were detected throughout the samples, but at concentrations that do not exceed applicable RSR criteria.

Groundwater samples collected from monitoring wells MW-202 and MW-203 were analyzed for ETPH in May 2017 to document water quality downgradient of the hydraulic lifts. ETPH was not detected above laboratory reporting limits. ETPH was also not detected in upgradient wells MW-200 and MW-201.

To meet RSR compliance, MW-202 and MW-203, along with MW-CCA5 (located upgradient of this AOPEC) were sampled during each quarter of 2018 and analyzed for ETPH. ETPH was detected in each sample at concentrations ranging from 0.091 mg/L to 0.30 mg/L. Only the ETPH concentration of 0.30 mg/L in well MW-202 from March 2018 exceeded the GWPC and SWPC (both 0.25 mg/L). Groundwater samples were also analyzed for PCBs at MW-CCA5 all four quarters, MW-202 during the second quarter (June), and MW-203 during the first quarter (March). PCBs were not detected in any of the sampling events.

Monitoring for ETPH and PCBs will be continued in 2019. Additional data is needed for ETPH due to reoccurring detections and the exceedance of the GWPC and SWPC at MW-202 in March 2018. Additional data is needed for PCBs at MW-203 to meet quarterly monitoring requirements for RSR verification. Accordingly, Weston & Sampson proposes collecting one round of groundwater samples for ETPH testing at monitoring wells MW-CCA5, MW-202 and MW-203 in 2019. Quarterly groundwater samples from MW-203 will also be collected and tested for PCBs.

AOPEC #2B: This AOPEC includes former hydraulic lifts located inside the Substation Maintenance (SSM) building. The Phase II ESA investigation included one sample from each of four borings (B-1, B-2, B-3, B-4). ETPH was detected at 1,900 mg/kg in boring B-3 from 8 to 12 ft bgs, warranting further investigation.

In 2017, six interior borings (B306 to B310 and B310A) were advanced proximal to boring B-3. Multi-depth sampling was performed at boring B310A to vertically profile the ETPH impact previously identified in boring B-3. One soil sample was analyzed from borings B303 through B310, generally targeting the 8 to 12-foot depth interval where the ETPH impacts had been identified in 2001. All soil samples were tested for ETPH, with select soil samples also tested for PCBs. ETPH was detected in six soil samples collected from two-foot intervals between 6 and 12 ft bgs in borings B307, B308, B310, and B310A. ETPH concentrations at two locations (B310 at 8-10 ft, and B31A at 6-8 ft) exceeded RSR criteria. PCBs were not detected in any of the soil samples analyzed.

A fingerprint analysis was performed on the 6 to 8-foot soil sample from boring B310A to determine the type of petroleum hydrocarbon present. The fingerprint indicated a transformer oil profile, and AOPEC 3B which abuts this AOPEC to the east is associated with past transformer oil releases from USTs.

Two upgradient soil borings completed outside of the former SSM building in 2017 were used to further delineate the nature and extent of ETPH impacts at this AOPEC. These borings, B313 and B316, were completed into monitoring wells MW-200 and MW-201. One soil sample was analyzed for ETPH and PCBs from each boring at depths within the 8 to 12 ft bgs interval. No detections of ETPH or PCBs were identified in either boring.

Existing monitoring wells MW-6 and MW-T3 were sampled in May 2017 to document groundwater quality in the vicinity of the former hydraulic lifts. An additional well, MW-310, was installed and sampled in September 2017. Groundwater samples were analyzed for ETPH. ETPH was not detected above laboratory reporting limits in MW-6. However, concentrations of ETPH detected in MW-T3 and MW-310 exceeded the SWPC. ETPH was also not detected in the upgradient wells MW-200 and MW-201; and therefore, demonstrated it is not a result of an upgradient source.

Groundwater monitoring was performed in 2018 to continue to track natural attenuation of ETPH in AOPEC #2B. Monitoring well MW-201 was sampled and analyzed for ETPH and PCBs during all four quarters. MW-6, MW-310 and MW-T3 samples were analyzed for ETPH in the first quarter only. Monitoring well MW-6 was additionally analyzed for PCBs in the first quarter. PCBs were not detected in any of the samples analyzed. ETPH was

detected in each of the samples, with the concentrations in MW-310 and MW-T3 from March 2018 continuing to exceed RSR criteria.

In 2019, additional soil sampling is planned for this AOPEC to further delineate ETPH impacts. The purpose of this work is to refine soil volume estimates in advance of anticipated future remedial activities. If soil remediation is planned in 2019, quarterly groundwater sampling at monitoring wells MW-6, MW-201, MW-310 and MW-T3 will be suspended. However, Weston & Sampson recommends performing a one-time monitoring event for ETPH in March 2019 at MW-6, MW-310 and MW-T3 to continue tracking groundwater quality in this area. If soil remediation is not planned in 2019, these wells will continue to be sampled on a quarterly basis.

4.1.3 AOPEC #3A, #3B, #3D and #3F: Former USTs

AOPEC #3A: This AOPEC comprises former underground storage tanks (USTs) A1 and A1R1, which were reported to have contained heating oil/diesel fuel. Soil testing within this AOPEC was not completed after the tanks were removed, and the Phase II ESA Report documents the collection and analysis of one groundwater sample. Additional testing is needed to properly close this AOPEC for LEP verification.

Two soil borings (B314 and B315) were completed within the footprint of this AOPEC in 2017, with one soil sample collected and analyzed from each boring. The sampling interval targeted the bottom depth of the USTs, which was estimated at 11 to 13 ft bgs. Soil samples were tested for VOCs, SVOCs and ETPH. The analytical results revealed no detections of any compounds.

No groundwater sampling was conducted in 2017, as prior favorable groundwater data for the primary COCs (ETPH and VOCs) from four sampling events over a 2-year period exists for this AOPEC. However, historical sampling did not include SVOCs as a COC. Therefore, four quarters of groundwater monitoring was conducted at well MW-A1R1 in 2018. Due to low water table conditions, a sample could not be retrieved during the September quarterly event. The March, June and December samples were submitted for SVOC analysis. No SVOCs were not detected for any of the sampling quarters.

Additional sampling at MW-A1R1 is needed in 2019 to eliminate the September 2018 data gap. Only one SVOC sampling event would be needed if favorable results are reported in September 2019. However, more sampling events would be needed if concentrations are detected. For this reason, Weston & Sampson recommends SVOC testing of MW-A1R1 on a quarterly basis in March, June, September and December 2019. Sampling would be discontinued upon receipt of SVOC results indicating RSR groundwater compliance.

AOPEC #3B: This AOPEC comprises former USTs J-10, J-11, J-12, and K-13. These USTs were located side by side in subsurface concrete block vaults east of the Substation Maintenance Building. Three of the USTs contained non-PCB transformer oil and one UST contained waste oil. Soil testing within this AOPEC was not completed following removal of the tanks. Historical groundwater data at monitoring well MW-T3 and recovery well TRW-1 exhibited intermittent thin layers of LNAPL in 2003, 2004, 2005, 2007, and 2009. LNAPL was not detected at either well during 2006, 2008, and 2010 through 2018.

Additional testing is needed to properly close this AOPEC for LEP verification.

Six soil borings (B325 through B330) were completed within the footprint of this AOPEC in 2017. One soil sample was analyzed from each of the borings, with the sampling interval generally targeting the depth of the former USTs (estimated at 6 to 10 ft bgs). The soil samples were tested for PCBs, VOCs, ETPH, and total RCRA 8 metals. Analytical results revealed PCBs and VOCs were not detected above laboratory detection limits. Select total metals were detected at concentrations that do not exceed applicable RSR criteria. ETPH was detected in each of the soil samples at concentrations ranging from 26 mg/kg to 1,000 mg/kg. ETPH in samples B328 (9-11 ft bgs) and B330 (9-11 ft bgs) exceed RSR criteria. Similar to AOPEC 2B, additional soil sampling is planned for this AOPEC in 2019 to further delineate ETPH impacts and refine soil volume estimates in advance of anticipated future remedial activities.

A groundwater sample was collected from monitoring well MW-6 in May 2017 and analyzed for ETPH. ETPH was not detected above laboratory reporting limits. However, following a review of AOPEC #3B data prior to the 2018 sampling year, it was determined that a groundwater data gap existed for this AOPEC. Therefore, wells MW-T6, MW-6, MW-TRW1 and MW-CCA4 were monitored to track natural attenuation of ETPH in this area. One quarter of groundwater samples (March) were collected from MW-T6, MW-6, and MW-TRW1, and four quarters of samples were collected from MW-CCA4. Samples were analyzed for ETPH, PCBs, VOCs, SVOCs and/or RCRA 8 metals. PCBs, VOCs and SVOCs were not detected in any of the samples. Total chromium was detected in sample MW-6 at a concentration that does not exceed the GWPC. ETPH was detected in samples collected from each of the wells at concentrations ranging from 0.081 mg/L to 4.7 mg/L. ETPH detected in samples from wells MW-T3 (4.7 mg/L) and MW-TRW1 (1.2 mg/L) from the March event exceeded the GPWC and SWPC.

AOPEC #3C: This AOPEC comprises former UST F-6, which is reported to have contained waste oil. The Phase II ESA Report documents two soil samples collected from one boring in this AOPEC, which were submitted for analysis of VOCs, PCBs, ETPH, and SPLP RCRA 8 metals. Based on the Phase II ESA Report, none of the selected compounds were detected above regulatory criteria.

Further assessment of soil and groundwater is needed at this AOPEC to support the Phase II ESA. Weston & Sampson recommends the advancement of a single soil boring, with completion as a groundwater monitoring well in the center of the former tank grave. Collection, analysis and evaluation of the soil and groundwater samples will be used to determine additional data needs, if any.

AOPEC #3D: This AOPEC comprises former UST L-14, which is reported to have contained heating oil. Soil testing within this AOPEC was not completed after the tank was removed. Investigations completed in 2001 revealed ETPH impacts in soils, but below RSR criteria. Additional testing was deemed necessary to demonstrate compliance with the RSRs for LEP verification.

Two soil borings (B311 and B312) were advanced downgradient of the UST grave in 2017 to confirm the prior 2001 results and provide additional test data. One soil sample was analyzed from each boring, with the sampling interval targeting the depth of the former UST (estimated at 6 to 12 ft bgs). Soil samples were analyzed for VOCs, SVOCs, and ETPH. Results indicated that VOCs and SVOCs were not detected. ETPH was detected in each of the soil samples, but at concentrations below RSR criteria.

Monitoring well MW-6 was used to evaluate groundwater in this AOPEC in 2017. A sample collected in May 2017 was tested and analyzed for ETPH. ETPH was not detected above laboratory reporting limits.

Soil investigation activities are considered complete in AOPEC #3D, however other COCs were detected in soil at concentrations below RSR criteria. These COCs were not previously monitored in groundwater from this AOPEC. In 2018, one round of sampling (March) was performed for wells MW-6 and MW-4R and the samples were analyzed for ETPH, SVOCs and VOCs. VOCs and SVOCs were not detected. ETPH was detected, but at concentrations that do not exceed RSR criteria. Monitoring well MW-4R is located downgradient of this AOPEC.

Although sampling activities completed in 2018 were favorable, more data is needed to demonstrate RSR compliance for LEP verification. Accordingly, Weston & Sampson proposes the collection of quarterly groundwater samples from monitoring wells MW-4R and MW-6, and testing for ETPH, VOCs, and SVOCs.

AOPEC #3F: This AOPEC comprises former USTs B-2 (leaded gasoline), C-3 (unleaded gasoline), D-4 (unleaded gasoline), and E-5 (diesel fuel). A groundwater pump and treat system was historically operated at this AOPEC beginning in 1990 and was shut down in June 2003. Natural attenuation monitoring is ongoing. Additional testing is needed to properly close out this AOPEC for LEP verification.

Six soil borings (B319 to B324) were advanced at and downgradient of the UST graves. One soil sample was analyzed from each boring, with the sampling interval targeting the depth of the former USTs (estimated at 8 to 12 ft bgs). Soil samples were analyzed for VOCs and ETPH. Analytical results indicated that VOCs were not detected. ETPH was detected in all but one soil sample. ETPH in sample B321 10-12 ft bgs (760 mg/kg) exceeded RSR criteria.

Additional delineation sampling was conducted in early 2018 at AOPEC #3F. Ten borings (B608 to BB617) were advanced around previous boring B321. Multi-depth samples from 8 to 10, 10 to 12 and 12 to 14 ft bgs were collected from each of the borings. Select samples were submitted for ETPH analysis, while others were placed on hold pending receipt of the laboratory results. ETPH was detected in most of the soil samples at concentrations ranging from 12 mg/kg to 2,000 mg/kg. The detected ETPH concentration of 2,000 mg/kg from sample B613C (12-14 ft bgs) exceeds RSR criteria. No other ETPH exceedances are present.

Groundwater samples were collected from monitoring wells MW-10 and MW-11A in March, MW-2A in July, and MW-4R in September 2017. The samples from MW-10, MW-11A and

MW-4R were analyzed for VOCs, while the sample from MW-2A was analyzed for ETPH. VOCs and ETPH were not detected in any of the groundwater samples.

Groundwater monitoring continued in 2018 to track natural attenuation. Wells MW-2A, MW-10, MW-11A, and MW-4R were sampled in March for VOCs and ETPH. One VOC, chloroform, was detected in well MW-10 at a concentration below RSR criteria. This compound was not previously detected in this well or the other 3 wells. ETPH was detected in all four wells, but only exceeded RSR criteria in MW-2A. Figures 10 and 11 illustrate BTEX trends in MW-4R and MW-11A from this AOPEC.

Remedial options are being evaluated for this AOPEC. If soil remediation is planned in 2019, quarterly groundwater sampling at MW-2A, MW-10, MW-11A, and MW-4R will be suspended. Weston & Sampson recommends performing a one-time monitoring event of these four wells in March 2019 to continue tracking ETPH natural attenuation in this AOPEC. Analysis for VOCs, SVOCs and total lead should also be included, as the USTs were used for gasoline and diesel fuel storage. If soil remediation is not planned in 2019, these wells will continue to be sampled on a quarterly basis.

AOPEC #3G: This AOPEC comprises a possible unknown UST as shown on an historic Site map. The Phase II ESA Report documents completion of one boring in this AOPEC, with soil analysis of two samples for VOCs, SVOCs, PCBs, ETPH, and RCRA 8 metals. Based on the Phase II ESA Report, the only parameter detected was SPLP barium at a concentration of 0.42 mg/L, which is below the GA PMC of 1.0 mg/L.

Further assessment of soil and groundwater is needed at this AOPEC to bolster the Phase II ESA investigation completed in 2001. Weston & Sampson recommends the advancement of a single soil boring completed as a groundwater monitoring well in the center of the suspected tank grave. Collected samples of soil and groundwater should be analyzed for VOCs, SVOCs, PCBs, ETPH, and RCRA 8 metals.

4.1.4 AOPEC #4: Transformer Storage Areas & Loading Docks

This AOPEC is located at the northeast portion of the former CL&P work center parcel. Investigations performed in 2016 to evaluate subsurface soils and the elevated concrete platforms formerly used for transformer storage indicated the presence of ETPH and PCBs at concentrations exceeding RSR criteria. Accordingly, further delineation to identify the vertical and horizontal extent of impacts was warranted for RSR compliance and LEP verification.

Nine soil borings (B218A through B220A, B228A, B501, and B504 through B507) were completed within the footprint of this AOPEC in 2017. One soil sample was analyzed from each of the borings, with the sampling interval generally targeting shallow soils ranging from 0 to 5 ft bgs. All samples were tested for ETPH, with a select number of samples also tested for PCBs. The analytical results revealed no PCB impacts. ETPH impacts were defined as being located within the top foot of soil.

New monitoring wells MW-201 and MW-203, and existing well MW-CCA-5 were sampled in May 2017 to document groundwater quality relative to AOPEC #4. Groundwater samples from MW-201 and MW-CCA-5 were analyzed for PCBs, VOCs, and ETPH, while the sample from MW-203 was analyzed for ETPH. No compounds were detected above laboratory reporting limits.

Overall, there was limited recent and historical groundwater data for AOPEC #4, and additional information was needed for an LEP to verify this AOPEC. In 2018, monitoring wells MW-201, MW-203, MW-CCA4 and MW-CCA5 were sampled quarterly for ETPH. PCBs were also monitored quarterly in wells MW-201 and MW-CCA5, and during the first quarter (March) in wells MW-203 and MW-CCA4. PCBs were not detected in any of the samples. ETPH was detected in all but two samples at concentrations that do not exceed RSR criteria.

Soil remediation is planned at this AOPEC in 2019. Accordingly, quarterly sampling at MW-201, MW-203, MW-CCA4, and MW-CCA5 is not planned in 2019. However, Weston & Sampson recommends performing a one-time monitoring event in March 2019 at wells MW-CCA4, MW-CCA5 and MW-203, with testing for ETPH to continue tracking soil impacts to groundwater. Monitoring well MW-203 will also be analyzed for PCBs.

4.1.5 AOPEC #5: Utility Pole Storage Areas

Treated wooden utility poles were previously stored on racks in the eastern portion of the facility. Previous environmental evaluations assessed some of the pole storage areas, but not all areas were investigated. Additional COCs were also identified that were not included in prior investigations. Based on this, additional soil investigations were conducted in 2016 to address these data gaps. SVOCs were detected in soil, but at concentrations that did not exceed applicable criteria. One soil sample exhibited a total arsenic concentration that exceeded RSR criteria, and a second soil sample exhibited leachable arsenic (Synthetic Leaching Precipitate Procedure [SPLP]), also exceeding RSR criteria.

Monitoring well MW-16 was sampled in May and July 2017 to document groundwater quality in the former utility pole storage area. The May groundwater sample was analyzed for PCBs, VOCs, and ETPH. The July sample was analyzed for ETPH. PCBs and VOCs were not detected above the laboratory reporting limits. ETPH was detected during the May event, but at a concentration below applicable RSR criteria. ETPH was not detected during the July event.

Prior groundwater monitoring data from this AOPEC was limited, therefore, quarterly groundwater sampling was performed at wells MW-CCA3, MW-CCA4 and MW-16 in 2018. Groundwater samples were analyzed for ETPH, SVOCs, RCRA 8 metals, hexavalent and trivalent chromium, and copper. Results indicated a detection of benzo(b)fluoranthene from MW-16 in the March sampling event at a concentration exceeding the GWPC. ETPH was detected throughout the samples, but at concentrations not exceeding RSR criteria.

Total barium was detected in one well (MW-CCA3) for all three quarters sampled (no sample was collected in September due to dry conditions). Barium detected in MW-CCA3 did not exceed RSR criteria. Total copper, hexavalent and trivalent chromium were not detected.

Based on the 2018 results, continued monitoring of select parameters at this AOPEC are no longer needed. However, continued monitoring in 2019 for ETPH and SVOCs are necessary, due to recurring detections at all wells. Weston & Sampson proposes collecting quarterly groundwater samples from monitoring wells MW-CCA3, MW-CCA4 and MW-16, with testing for ETPH and SVOCs.

4.1.6 AOPEC #6B: Stormwater Discharge Locations

Stormwater originating from impervious areas on the eastern side of the Site discharges through a headwall in the southern portion of the Site. Soil investigations are considered complete at this AOPEC. However, additional groundwater investigations were needed because past sampling of well MW-CCA-1 has been hampered by insufficient water, detections of barium and lead exceeding applicable RSR criteria occurred in 2012 and 2013, and intermittent detections of VOCs and ETPH have been observed.

Groundwater samples were obtained from monitoring well MW-CCA-1 in March, July, September and December 2017, and analyzed for VOCs, ETPH, and total RCRA 8 metals. No VOCs were detected above laboratory reporting limits during the quarterly monitoring. ETPH was detected in March, but at a concentration below applicable RSR criteria. Total barium was detected in July, September, and December, but at levels not exceeding applicable RSR criteria. No other metals were detected during the quarterly monitoring.

Favorable groundwater data for VOCs, ETPH and metals exists for this AOPEC from the four sampling events completed in 2017. Groundwater was tested for PCBs in 2001, 2002 and 2003, with all results below detection limits. However, because CL&P operations continued at the Site until 2017, and no PCB groundwater data has been generated since 2003, current PCB data is needed before this AOPEC can be closed out. Therefore, Weston & Sampson proposes collecting a one-time groundwater sample from MW-CCA1 in March 2019 for PCB testing.

5.0 SUMMARY OF PROPOSED ACTIVITIES

Remediation, monitoring and gauging activities are planned at the Site in 2019 or in the future. These activities include soil and groundwater remediation, continued groundwater monitoring and flow analysis, and data evaluation. Specifically, the following actions are anticipated in 2019:

Soil and Groundwater Investigation

Further delineation of ETPH impacted soils are needed at AOPECs #2B, #3B and #3F to refine soil volume estimates to prepare for potential future excavation and off-site disposal. Weston & Sampson recommends the advancement of a total of 10 soil borings throughout AOPECs #2B, #3B, and #3F. Multi-depth sampling is proposed to delineate the vertical and horizontal extent of soil impacts.

Additional assessment of soil is needed at AOPECs #3C and #3G to support the 2001 Phase II ESA investigation, which indicated that releases had not occurred from these former UST areas. To complete this task, Weston & Sampson recommends one soil boring to be completed within each tank grave (two total borings). Both borings will be completed to an approximate depth of 15 ft bgs, with the intent being to intercept the water table beneath the estimated bottom depth of the former USTs. Soils in both borings will be inspected for visual and olfactory signs of impacts, and for changes which could indicate the bottom depth of the previously removed USTs. Soils will also be field screened with a photoionization detector (PID). Based on field evaluation, one soil sample from each boring will be retained for analysis and tested for ETPH, VOCs, SVOCs, total and SPLP RCRA 8 metals, and PCBs. If ETPH is detected in the soil samples, a fingerprint analysis will be performed to help determine the origin of the hydrocarbon.

Upon completion of the soil borings, new monitoring wells will be installed and fully developed. It is recommended that one groundwater sampling event be completed, with the samples analyzed for ETPH, VOCs, PCBs and RCRA 8 metals.

Remediation

Remediation at the Site is anticipated at four AOPECs (#2B, #3B, #3F, and #4) to address ETPH impacts. Impacts at AOPEC #2B are located at a depth of 6 to 10 ft bgs, at AOPEC #3B at a depth of 9 to 11 ft bgs, at AOPEC #3F at depth of 10 to 12 ft bgs, and in AOPEC #4 within the top one foot of soil. Based on the presence of PCBs greater than 1 mg/kg in one soil sample collected from AOPEC #4, a Performance-Based PCB cleanup, conducted in accordance with Title 40 CFR Section 761.61(b), is also planned. Closure documentation, including the collection of remediation confirmation samples, will be provided in a separate report.

Groundwater remediation may also be needed at some AOPECs based on the results of groundwater investigations planned in 2019, and/or following soil remediation at select AOPECs.

Continued Groundwater Monitoring:

Groundwater monitoring activities are expected to continue at AOPECs #1B, #1C, #2A, #2B, #3A, #3B, #3D, #3F, #4, #5 and #6B. The following sampling activities and laboratory analyses are planned in 2019:

2019 Groundwater Sampling Plan				
Well ID	March	June	September	December
Mw-CCA1	P			
MW-CCA-2	E			
MW-CCA-3	E	E	E	E
MW-CCA-4	E	E	E	E
MW-CCA-5	E			
MW-A1R1	S	S	S	S
MW-TRW1	E			
MW-4R	E, V, S	E, V, S	E, V, S	E, V, S
MW-2A	V, S, Pb	V, S, Pb	V, S, Pb	V, S, Pb
MW-11A	V, S, Pb	V, S, Pb	V, S, Pb	V, S, Pb
MW-6	E, V, S, Pb	E, V, S	E, V, S	E, V, S
MW-10	V, S, Pb	V, S, Pb	V, S, Pb	V, S, Pb
MW-15	E			
MW-16	E	E	E	E
MW-T3	E			
MW-T6	E			
MW-200	E			
MW-201	E			
MW-202	E			
MW-203	E, P	P	P	P
MW-310	E			
P-PCBs, V-VOCs, E-ETPH, S- SVOCs, M-RCRA 8 Metals, Pb – Total Lead				

Continued Groundwater Flow Analysis:

To further document groundwater flow directions, groundwater elevation monitoring will continue. It is proposed that monitoring wells: MW-A1R1, MW-CCA1, MW-CCA2, MW-CCA3, MW-CCA4, MW-CCA5, MW-CCA6, MW-4R, MW-5, MW-6, MW-8, MW-10, MW-11A, MW-15, MW-T1, MW-T2, MW-T3, MW-T5, MW-T6, RW-1, TRW-1, MW-North, MW-South, MW-SA-NORTH(R), MW-SA-SOUTH(R), MW-301A, MW-200, MW-201, MW-202 and MW-203 will be gauged semi-annually for groundwater flow determinations.

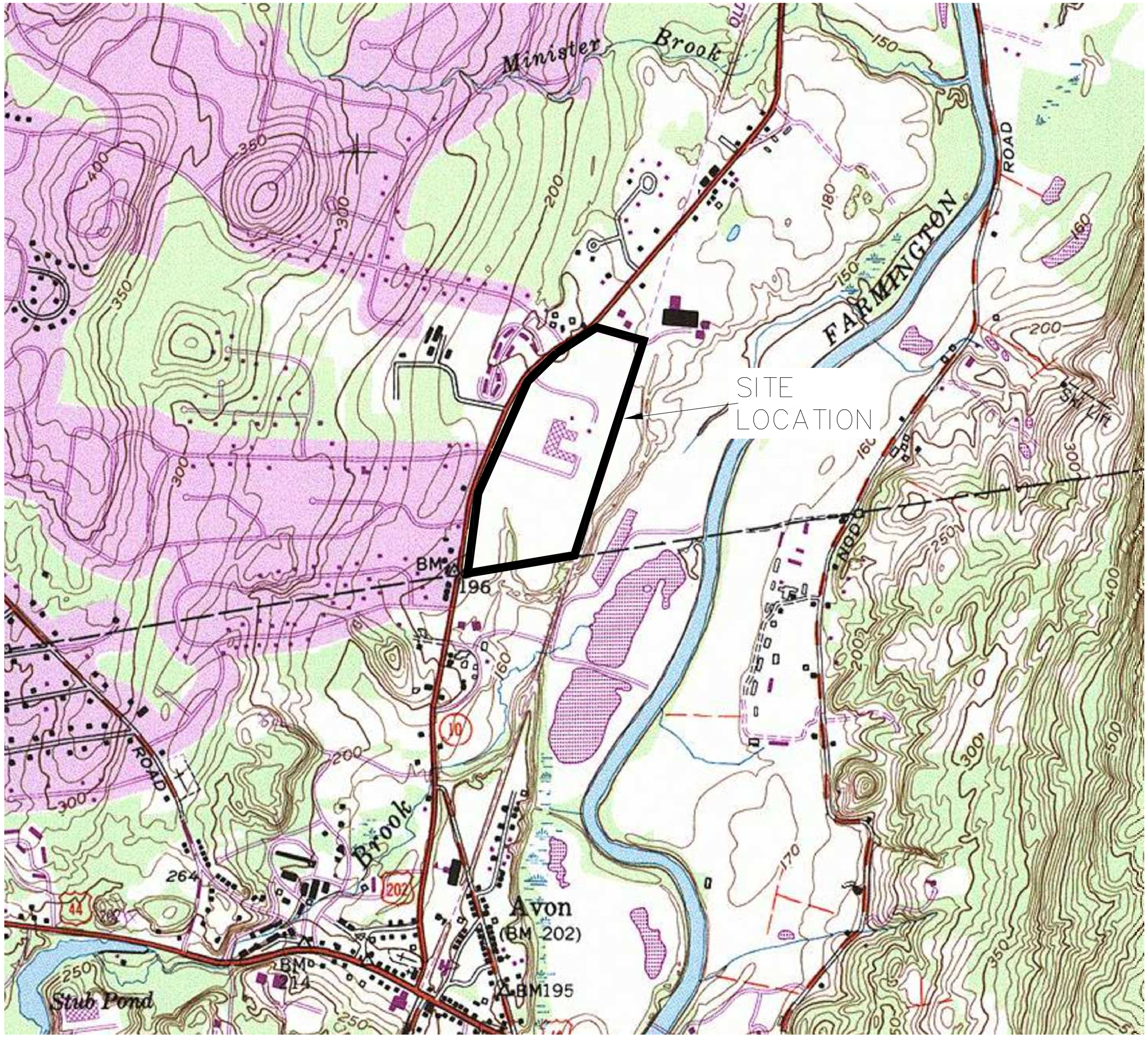
Continued Product Recovery:

Based on historical detections of LNAPL in product recovery wells TRW-1 and MW-T3, product recovery, if needed, will continue at these wells in 2019.

5.1 Proposed Schedule

Figure 12 presents the proposed project schedule for the upcoming year. This schedule outlines anticipated additional soil and groundwater investigations, and quarterly and annual sampling events. The annual environmental summary report will be submitted during the second quarter of 2020.

FIGURES



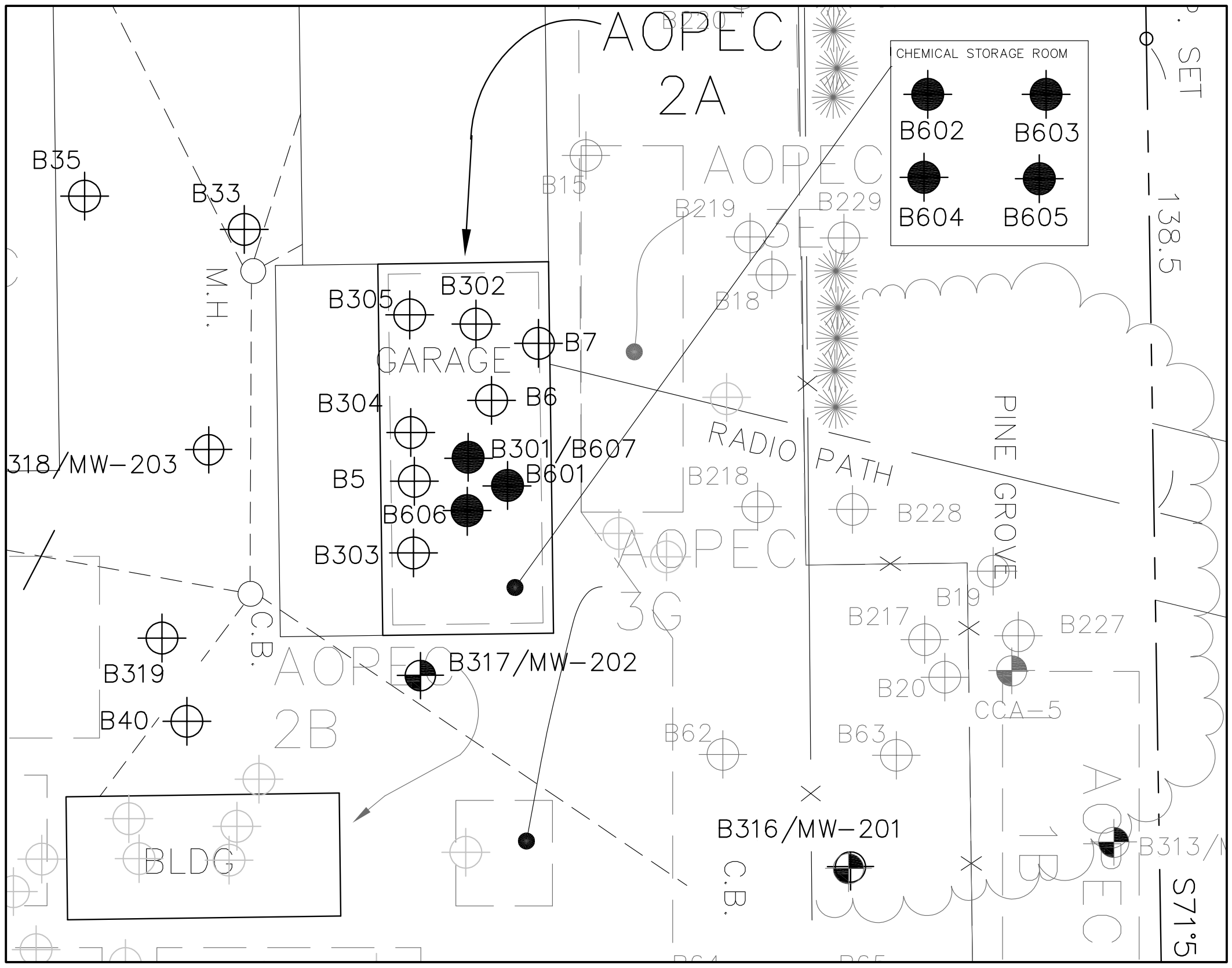
NOTE:

1. LOCUS MAP DERIVED FROM WESTON & SAMPSON 2006 GROUNDWATER MONITORING REPORT

FIGURE 1
EVERSOURCE
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CONNECTICUT
SITE LOCATION PLAN
MAY 2018 | SCALE: NTS

Weston & Sampson SM

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 130
Page 28 of 847



N

SCALE: 1"=30'

0 30' 60'

LEGEND

PREVIOUS BORING/MONITORING WELL LOCATION

B-5 PREVIOUS BORING LOCATION

B-601 BORING LOCATION (JANUARY 2018)

FIGURE 2

SOIL SAMPLE LOCATION PLAN - AOPEC #2A

EVERSOURCE ENERGY
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

APRIL 2019 SCALE: AS SHOWN

Weston & Sampson℠

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 130
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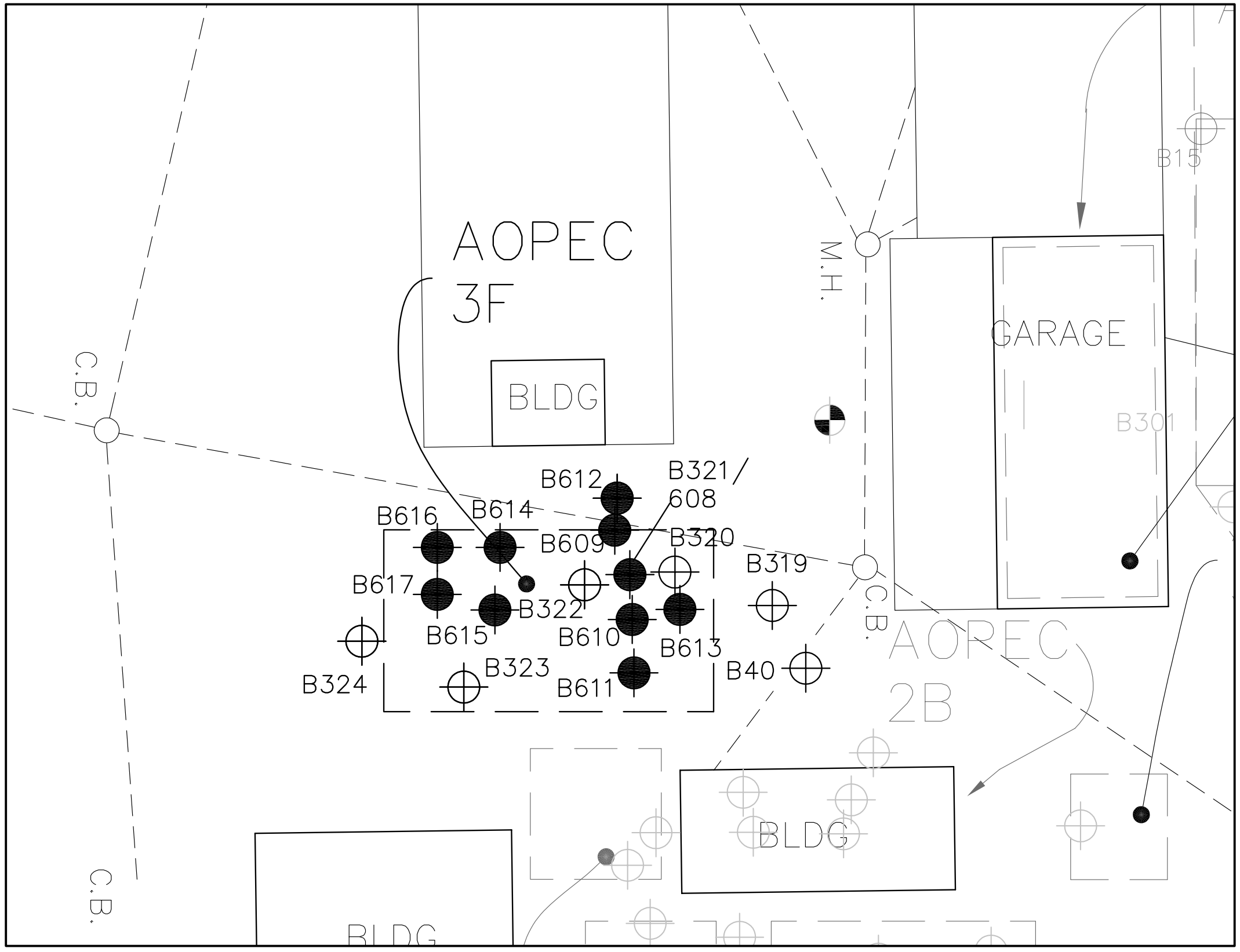


N

SCALE: 1"=30'

0 30' 60'

LEGEND

PREVIOUS MONITORING WELL LOCATION

B40 PREVIOUS BORING LOCATION

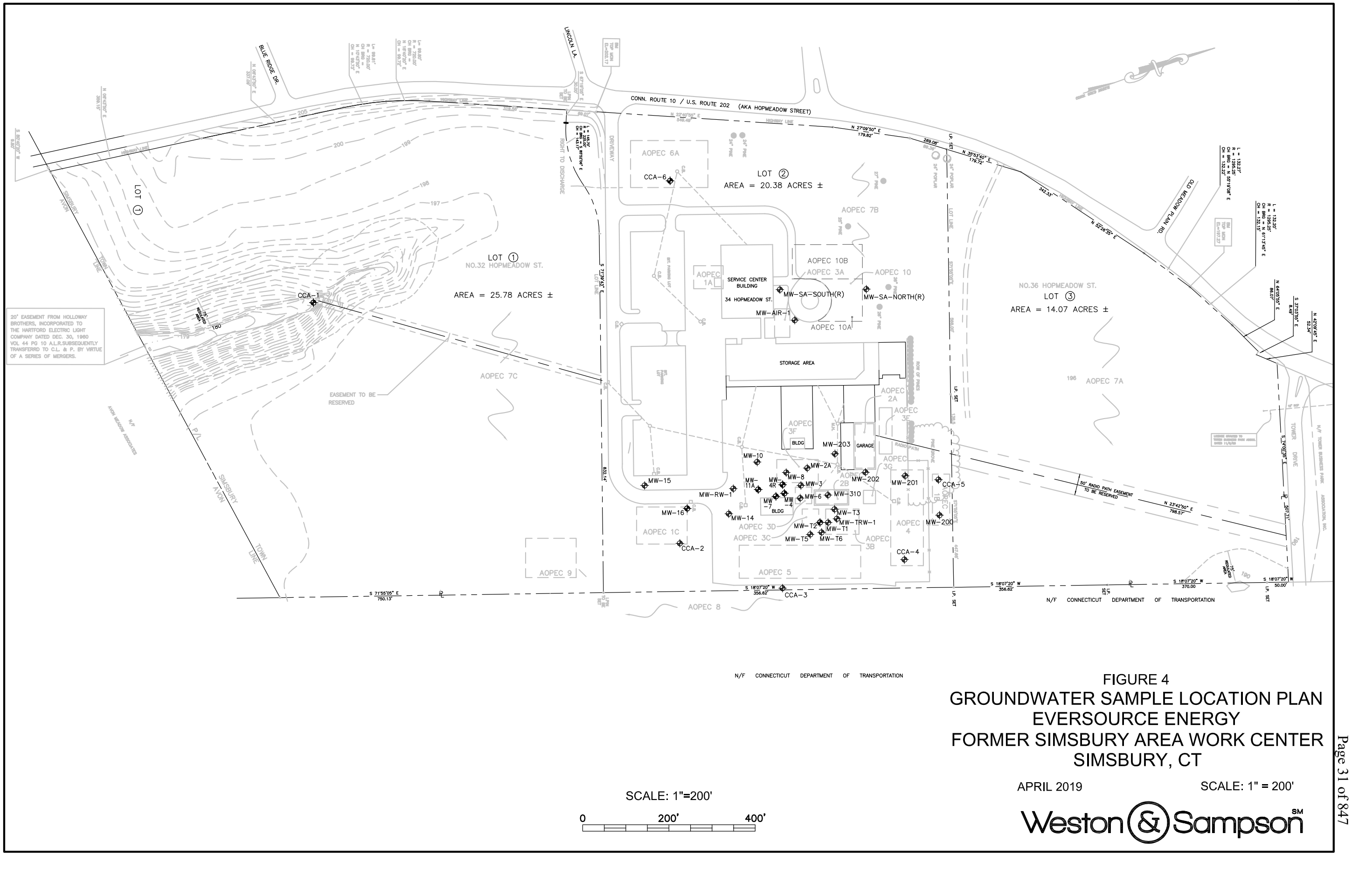
B608 BORING LOCATION (JANUARY 2018)

FIGURE 3
SOIL SAMPLE LOCATION PLAN - AOPEC #3F

EVERSOURCE ENERGY
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

APRIL 2019 SCALE: AS SHOWN

Weston & Sampson℠



SCALE: 1"=200'

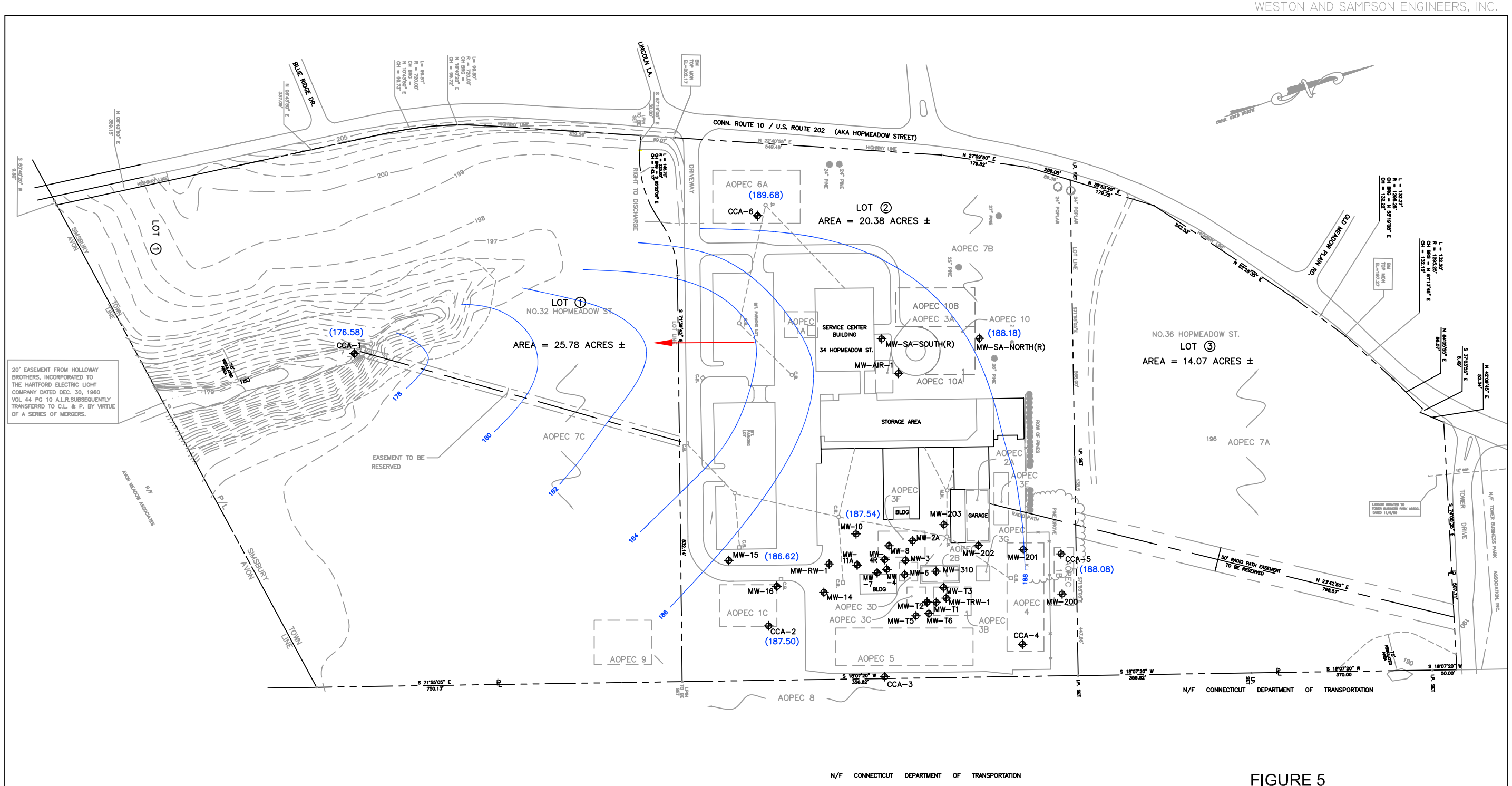
0 200' 400'

FIGURE 4
GROUNDWATER SAMPLE LOCATION PLAN
EVERSOURCE ENERGY
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

APRIL 2019 SCALE: 1" = 200'

Weston & Sampson SM

R:\NUSCO\SIMSBURY AWC\NUSCO_SIMSBURY GW 2010



LEGEND

- GROUNDWATER ELEVATION CONTOUR LINE
- MONITORING WELL LOCATION
- (171.49) GROUNDWATER ELEVATION
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

SCALE: 1"=200'

0 200' 400'

FIGURE 5
GROUNDWATER FLOW DIRECTION
JUNE 6, 2018
EVERSOURCE ENERGY
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

APRIL 2019 SCALE: 1" = 200'

Weston & Sampson SM

R:\NUSCO\SIMSBURY AWC\NUSCO_SIMSBURY GW 2010

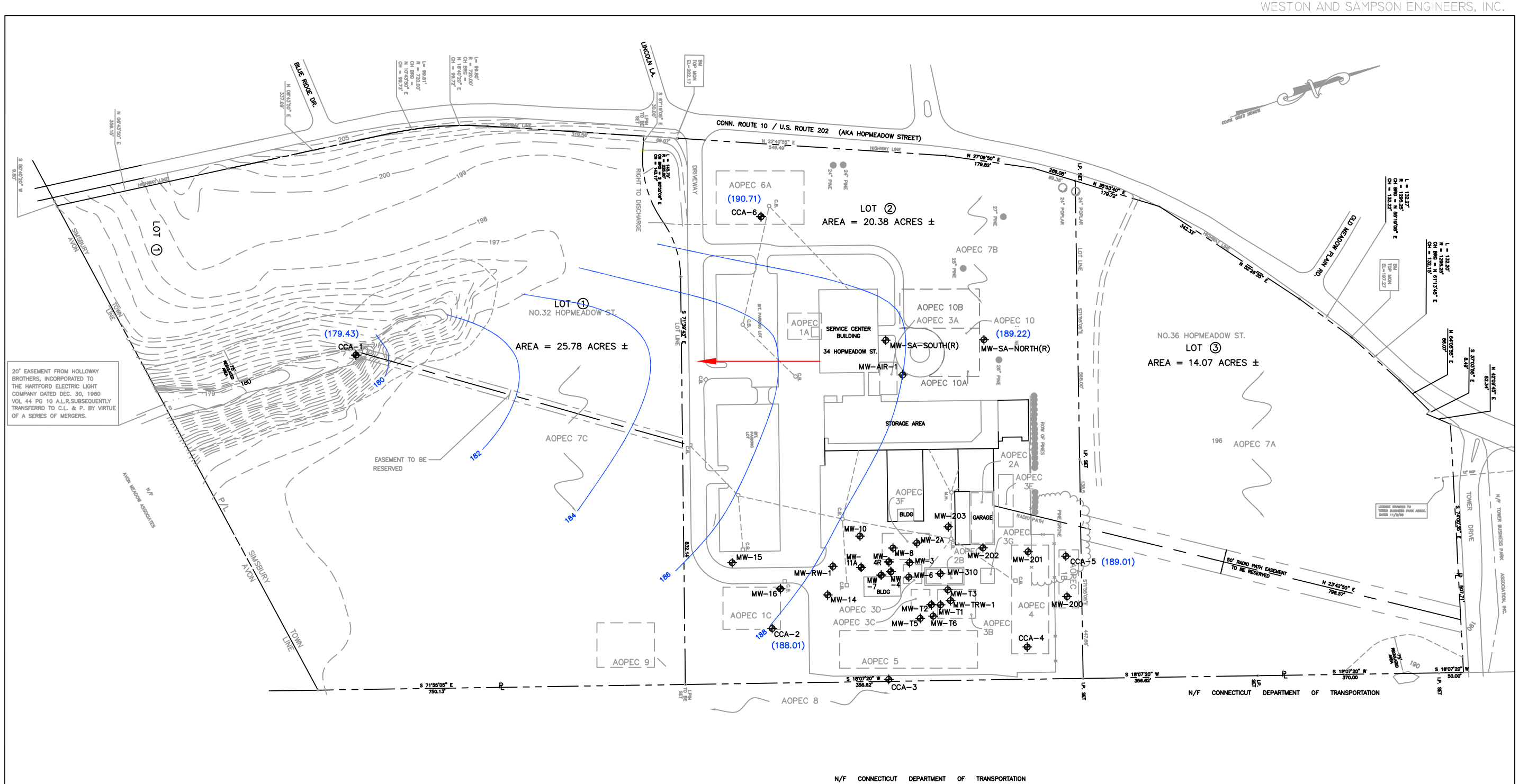

BLUE RIDGE DR
LINCOLN LN
CONN. ROUTE 10 / U.S. ROUTE 202 (AKA HOPMEADOW STREET)
HIGHWAY LINE
RIGHT TO DISCHARGE
DRIVEWAY
LOT ①
NO.32 HOPMEADOW ST.
AREA = 25.78 ACRES ±
LOT ②
AREA = 20.38 ACRES ±
NO.36 HOPMEADOW ST.
LOT ③
AREA = 14.07 ACRES ±
OLD HOPMEADOW PLAIN RD.
SIMSBURY AVON TOWN LINE
20' EASEMENT FROM HOLLOWAY BROTHERS, INCORPORATED TO THE HARTFORD ELECTRIC LIGHT COMPANY DATED DEC. 30, 1960 VOL 44 PG 10 A.L.R.SUBSEQUENTLY TRANSFERRD TO C.L. & P. BY VIRTUE OF A SERIES OF MERGERS.
EASEMENT TO BE RESERVED
50' RADIO PATH EASEMENT TO BE RESERVED
LICENSE GRANTED TO TOWER BUSINESS PARK ASSOC. DATED 11/5/98
N/F TOWER BUSINESS PARK ASSOCIATION, INC.
TOWER DRIVE
N/F AVON MEADOW ASSOCIATES
N/F CONNECTICUT DEPARTMENT OF TRANSPORTATION
AOPEC 1A
AOPEC 1B
AOPEC 1C
AOPEC 2A
AOPEC 2B
AOPEC 3A
AOPEC 3B
AOPEC 3C
AOPEC 3D
AOPEC 3E
AOPEC 3F
AOPEC 3G
AOPEC 4
AOPEC 5
AOPEC 6A
AOPEC 7A
AOPEC 7B
AOPEC 7C
AOPEC 8
AOPEC 9
AOPEC 10
AOPEC 10A
AOPEC 10B
SERVICE CENTER BUILDING
34 HOPMEADOW ST.
STORAGE AREA
BLDG
GARAGE
RADIO PATH
PINE ROW
ROW OF PINES
MW-RW-1
MW-1
MW-2
MW-2A
MW-3
MW-4
MW-4R
MW-5
MW-6
MW-7
MW-8
MW-10
MW-11A
MW-14
MW-15
MW-16
MW-200
MW-201
MW-202
MW-203
MW-310
MW-AIR-1
MW-SA-SOUTH(R)
MW-SA-NORTH(R)
MW-T1
MW-T2
MW-T3
MW-T5
MW-T6
MW-TRW-1
CCA-1 (179.43)
CCA-2 (188.01)
CCA-3
CCA-4
CCA-5 (189.01)
CCA-6 (190.71)
RIM TOP MON EL=202.17
RIM TOP MON EL=197.27
S 71°55'05" E 750.13'
S 16°07'20" W 356.62'
S 16°07'20" W 370.00'
S 16°07'20" W 30.00'
N 27°09'50" E 179.92'
N 32°53'40" E 176.72'
N 22°42'50" E 798.57'
N 52°24'50" E
S 37°53'05" E 82.34'
N 42°01'45" E 82.34'
S 37°53'05" E 8.49'
N 64°06'25" E 99.07'
S 37°53'05" E 8.49'
S 89°43'20" W 8.00'
N 09°43'50" E 306.15'
N 09°43'50" E 337.09'
S 89°43'20" E 339.58'
S 37°53'05" E 343.43'
S 37°53'05" E 344.07'
S 37°53'05" E 344.07'
S 37°53'05" E 344.07

FIGURE 7
AOPEC #3B - Transformer Oil USTs
Apparent Product Thickness - MW-T3
Former Simsbury Area Work Center
Simsbury, CT

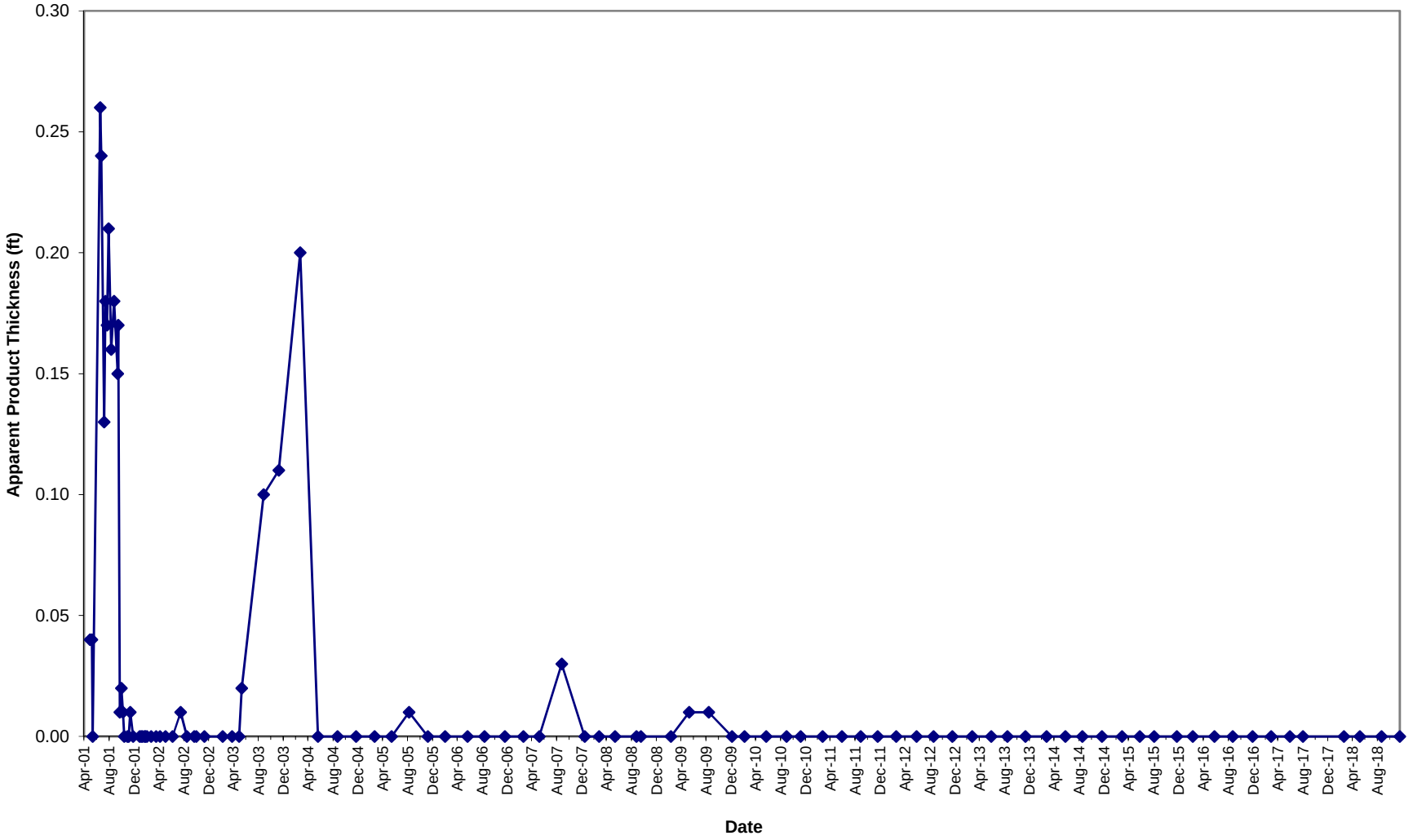


FIGURE 8
AOPEC #3B - Transformer Oil USTs
Apparent Product Thickness - TRW-1
Former Simsbury Area Work Center
Simsbury, CT

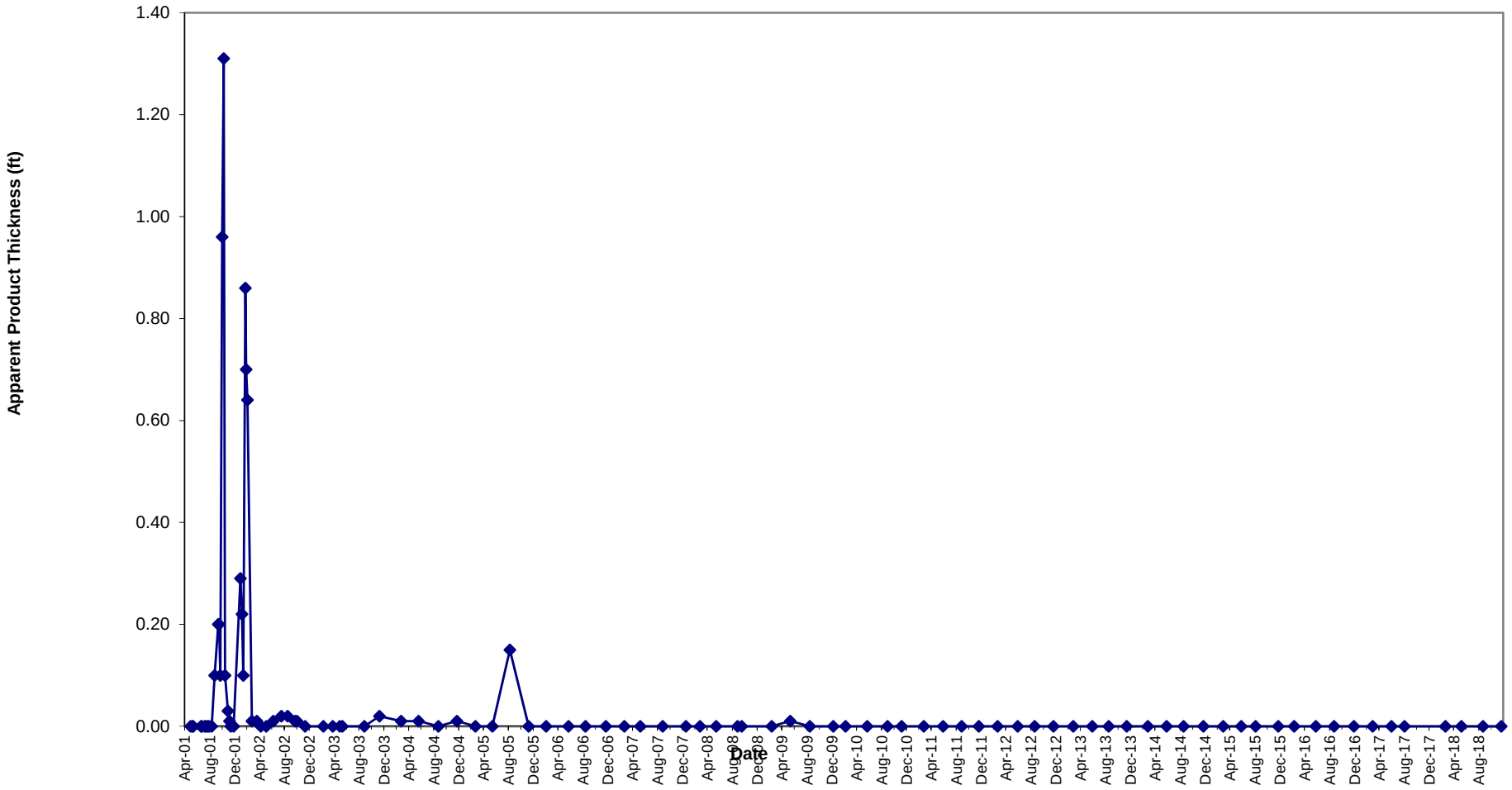


FIGURE 9
AOPEC #3B - Transformer Oil USTs
Product Recovery - TRW-1
Former Simsbury Area Work Center
Simsbury, CT

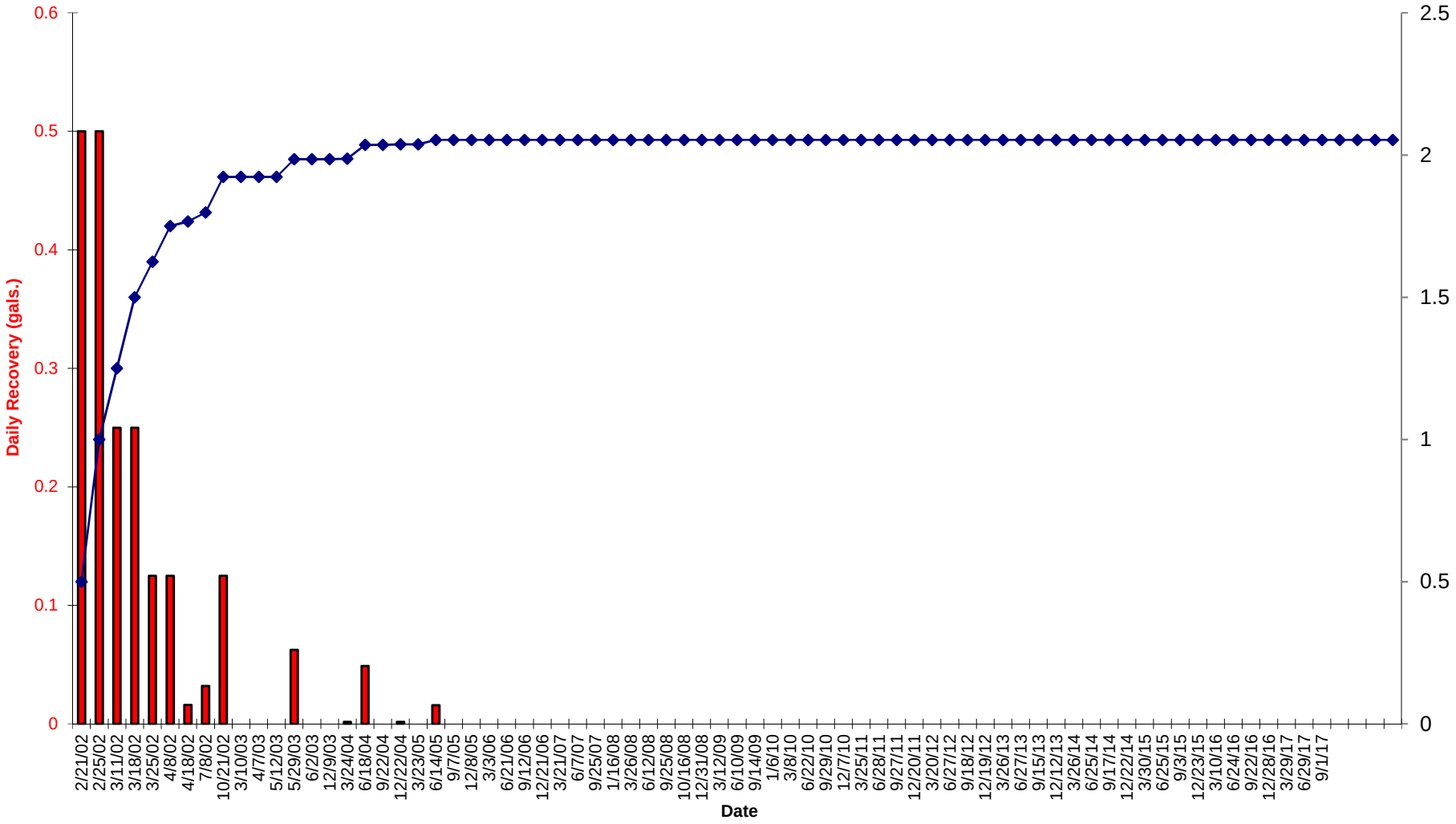


FIGURE 10
AOPEC #3F - Petroleum Fuel USTs
BTEX Concentrations - MW-4R
Former Simsbury Area Work Center
Simsbury, CT

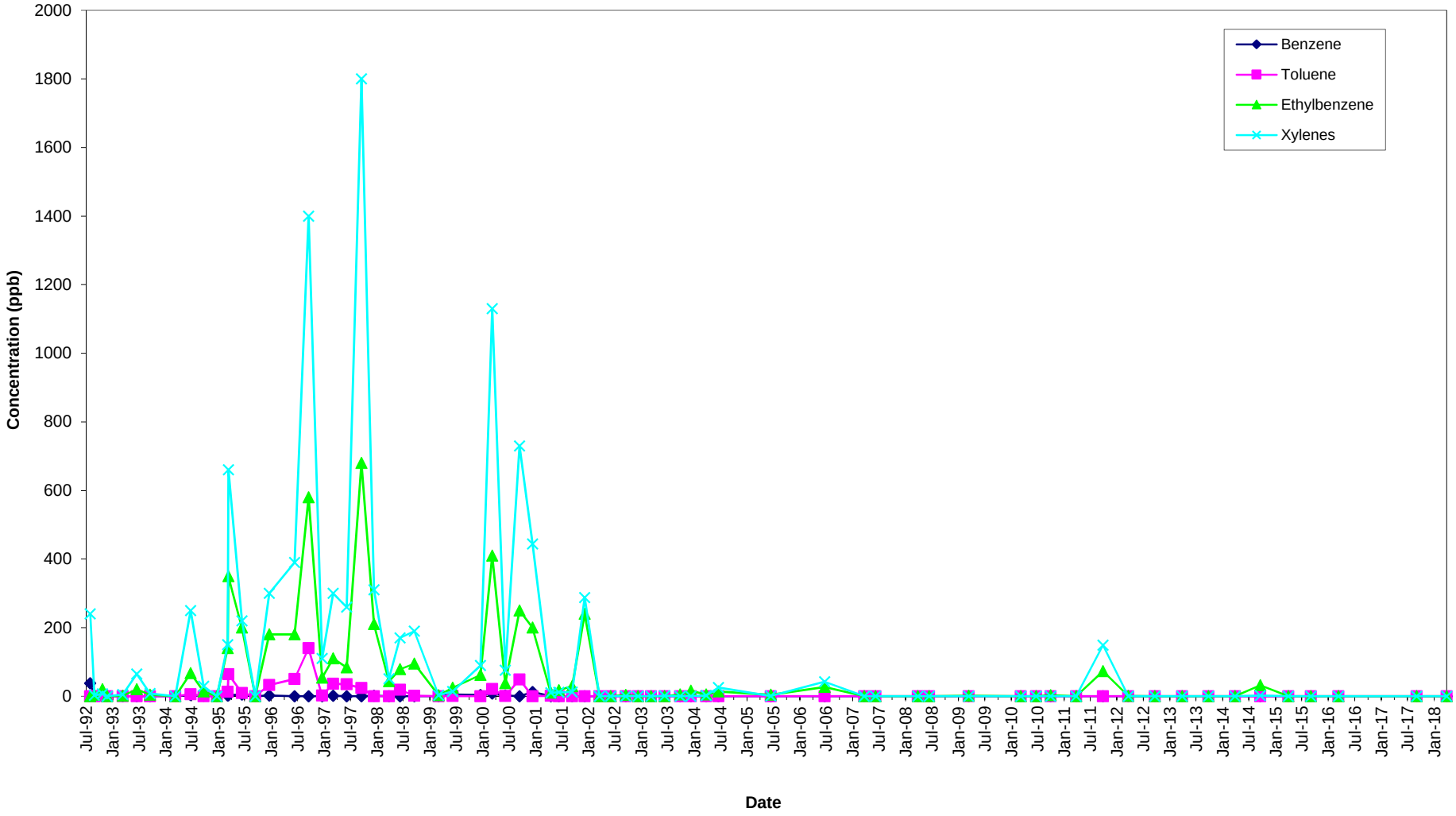


FIGURE 11
AOPEC #3F - Petroleum Fuel USTs
BTEX Concentrations - MW-11A
Former Simsbury Area Work Center
Simsbury, CT

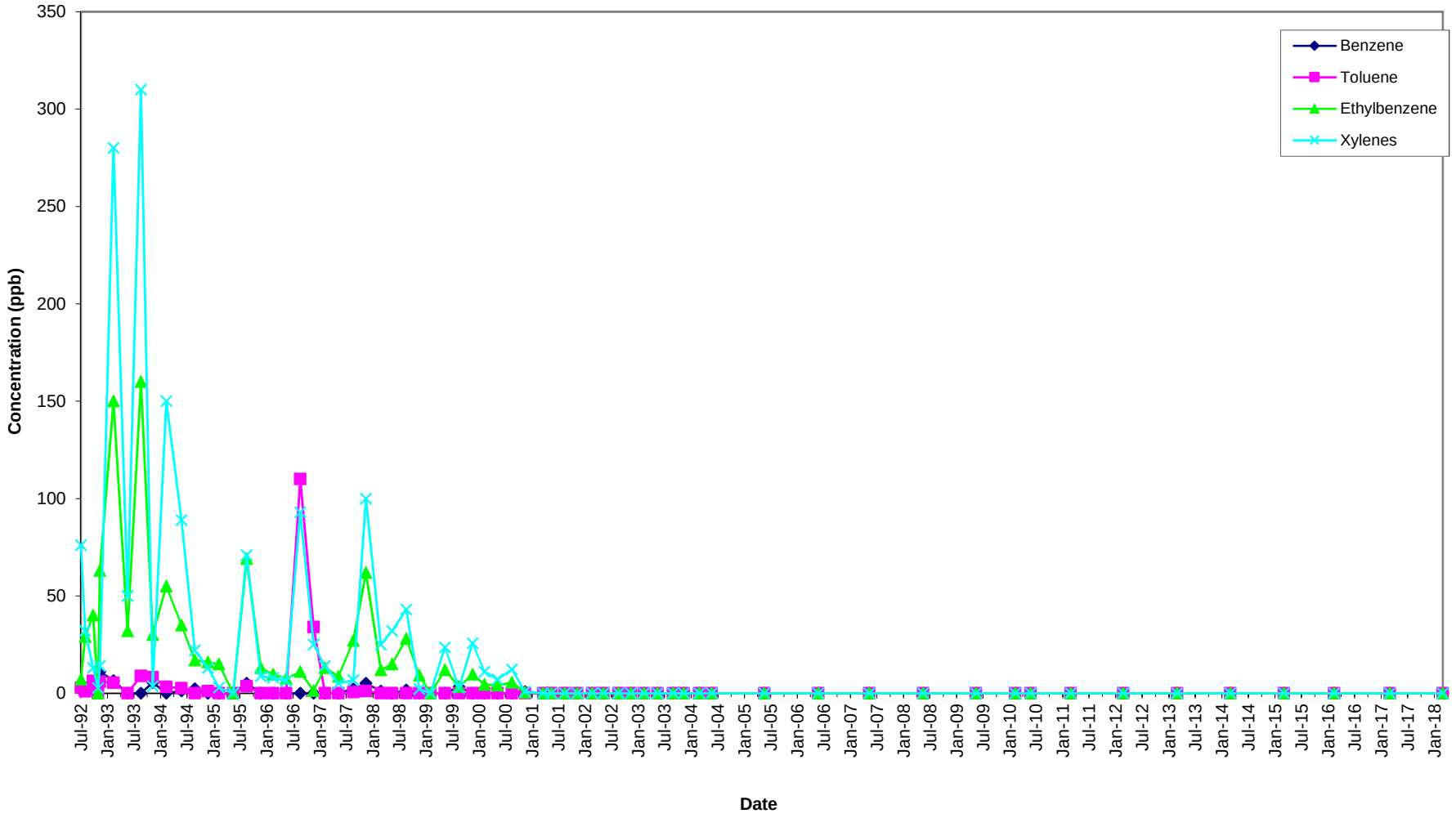
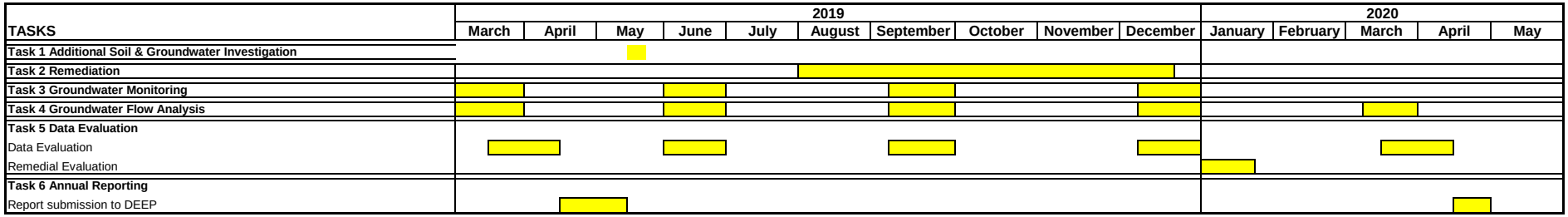


FIGURE 12

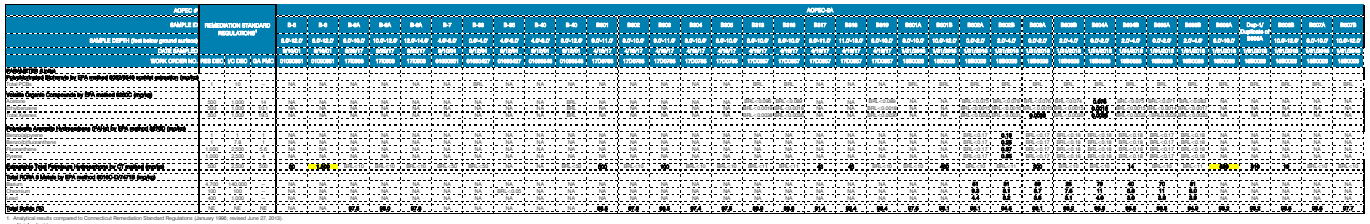
Proposed Project Schedule
Former Simsbury Area Work Center
Simsbury, CT



Actual dates and end points are estimated

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA - AOPEC #9A
FORMER DIMSBURY AREA WORK CENTER
SIMSBURY, CT



AOPEC #		REMEDIATION STANDARD REGULATIONS[1]	AOPEC-9A																																					
SAMPLE ID			B-4	B-5	B-6A	B-6B	B-6C	B-7	B-8A	B-8B	B-8C	B-8D	B-8E1	B-8E2	B-8E3	B-8E4	B-8E5	B-8E6	B-8E7	B-8E8	B-8E9	B-8E10	B-8E11	B-8E12	B-8E13	B-8E14	B-8E15	B-8E16	B-8E17	B-8E18	B-8E19	B-8E20	B-8E21	B-8E22	B-8E23	Dup-2 Between B-8E20 and B-8E21	B-8E24	B-8E25	B-8E26
SAMPLE DEPTH (Feet below ground surface)			5.0-12.0	5.0-12.0	5.0-10.0	10.0-15.0	12.0-14.0	4.0-12.0	5.0-12.0	5.0-12.0	4.0-12.0	4.0-12.0	5.0-12.0	5.0-11.0	3.0-10.0	3.0-11.0	5.0-13.0	5.0-13.0	5.0-13.0	5.0-13.0	5.0-11.0	11.0-15.0	5.0-13.0	5.0-13.0	5.0-13.0	5.0-13.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	5.0-12.0	13.0-15.0	5.0-15.0	5.0-15.0	5.0-15.0
Soil Sample Date			5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95	5/15/95
Soil Category (s)			Res I GW/C	GB Poll	GA Poll																																			
Extractable Petroleum Hydrocarbons (EPH) (mg/kg)																																								
Residential Direct Exposure (a) EPH method (C9/C20 to C36/C44 aliphatic fraction)		500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Pollutant Mobility Criteria (b) EPH method (C9/C20 to C36/C44 aliphatic fraction)		500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Groundwater Protection Criteria (c) EPH method (C9/C20 to C36/C44 aliphatic fraction)		500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Volatile Organic Compounds (VOCs) by SW-846 8260 (mg/kg)																																							
Acetone		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Benzene		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ethylbenzene		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Methyl Ethyl Ketone (MEK)		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Methyl Isobutyl Ketone (MIBK)		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Methyl Tert-Butyl Ether (MTBE)		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Methylene Chloride		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Naphthalene		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Toluene		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Xylenes (Total Combined Concentration) (C) (mg/kg)		500	500	500	0	1.4	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total PCBs (mg/kg)																																								
Total PCBs		1	1	1	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

1 - Analytical results compared to Connecticut Remediation Standard Regulations (January 1996 - revised June 27, 2013).

-- = Not Applicable
mg/kg = milligrams per kilogram
BRL = Below Reporting Limit
BRL < # = Below Reporting Limit (Reporting Limits Provided)
NA = Not Analyzed
CS = Compound Specific

exceeds one or more RSR Criteria

Prepared by: AP
Reviewed by: JCM/LMY

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA - AOPEC #5F
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]			AOPEC-5F																																		
SAMPLE ID				B-40	B-40	B919	B920	B921	B922	B923	B924	B009A	B009B	B009C	B009A	B009B	B009C	B918A	B918B	B918C	B910A	B910B	B910C	B914A	B914B	B914C	B916A	B916B	B916C	B918A	B918B	B918C	B917A	B917B	B917C
SAMPLE DEPTH (feet below ground surface)				4.0'-8.0'	8.0'-12.0'	8.0'-10.0'	8.0'-11.0'	10.0'-12.0'	8.0'-10.0'	8.0'-11.0'	8.0'-10.0'	8.0'-10.0'	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0	8.0-10.0	10.0-12.0	12.0-14.0
DATE SAMPLED				9/12/01	9/12/01	4/19/17	4/19/17	4/19/17	4/19/17	4/20/17	4/20/17	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18	1/01/18
WORK ORDER NO.	RES DEC	I/C DEC	GA PMC	01I0634B	01I0634B	17D0957	17D0957	17D0957	17D0957	17D0949	17D0949	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028	18B0028
PARAMETER (Units)																																						
Volatile Organic Compounds by EPA method 8260 (mg/kg)	CS	CS	CS	NA	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds by EPA method 8270 (mg/kg)	CS	CS	CS	NA	NA	NA	NA	NA	NA	NA	NA	BRL	BRL	BRL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Total Petroleum Hydrocarbons by CT method (mg/kg)	500	2,500	500	NA	BRL < 56	BRL < 10	160	760	17	150	210	BRL < 10	BRL< 10	54	BRL < 56	BRL < 11	18	BRL < 11	BRL < 11	2,000	210	12	150	570	BRL < 10	12	27	110	BRL < 10	18	840	BRL < 10	200	BRL < 10	390			
Total Metals by EPA method 6010B (mg/kg)																																						
Lead	400	1,000	--	NA	NA	NA	NA	NA	NA	NA	NA	5.19	4.1	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids (%)	NE	NE	NE	NA	NA	86.4	86.0	86.3	86.1	87.1	84.7	86.8	87.4	91.3	84.6	82.7	84.4	84.1	88.7	82.4	87.0	86.8	80.4	86.4	86.8	86.7	86.8	86.4	84.8	82.0	86.7	84.0	86.2	86.0	86.7			

1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
-- = Not Applicable
mg/kg = milligrams per kilogram
BRL = Below Reporting Limit
BRL < # = Below Reporting Limit (Reporting Limits Provided)
NA = Not Analyzed
CS = Compound Specific

1 exceeds one or more RSR Criteria

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 1B
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-1B											
SAMPLE ID					MW-200	MW-200	MW-200	MW-200	MW-201	MW-201	MW-201	MW-201	MW-CCA-5	MW-CCA-5	MW-CCA-5	MW-CCA-5
DATE SAMPLED					3/30/18	6/7/18	9/21/18	12/20/18	3/28/18	6/6/18	9/20/18	12/19/18	3/30/18	6/7/18	9/21/18	12/20/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1266	18F0389	18I1034	18L1024	18C1119	18F0263	18I0925	18L0967	18C1266	18F0389	18I1034	18L1024
PARAMETER[2] (Units)																
Polychlorinated Biphenyls by EPA method 8082 (ug/L)																
Total PCBs	0.5	0.5	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Volatile Organic Compounds by EPA method 8260 (ug/L)	CS	CS	CS	CS	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	BRL<0.073	BRL<0.072	**0.093**	**0.11**	**0.21**	**0.13**	**0.084**	**0.13**	**0.091**	**0.093**	**0.094**	**0.13**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 1C
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STABRLARD REGULATIONS[1]				AOPEC-1C															
SAMPLE ID					MW-15	MW-15	MW-15	MW-16	MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	MW-CCA2	MW-CCA2	MW-CCA2	MW-CCA2
DATE SAMPLED					3/30/15	6/9/15	9/29/15	12/18/15	3/28/16	3/28/16	6/8/16	6/8/16	9/20/16	9/20/16	12/19/16	12/19/16	3/28/16	6/8/16	9/30/16	12/19/16
WORK ORDER NO.	GWPC	SWPC	RES VOL	I/C VOL	15C1296	15F0283	15I0935	15L0957	16C1119	16C1119	16F0283	16F0283	16I0935	16I0935	16L0957	16L0957	16C1119	16F0283	16I0935	16L0957
PARAMETERS[2] (Units)																				
Polychlorinated Biphenyls by EPA method 8082 (ug/L)																				
Total PCBs	0.5	0.5	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Volatile Organic Compounds by EPA method 8260 (ug/L)	CS	CS	CS	CS	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	**0.10**	**0.14**	**0.12**	**0.18**	BRL <0.083	**0.078**	**0.11**	**0.099**	BRL <0.074	BRL <0.076	**0.12**	**0.18**	BRL <0.075	BRL <0.075	**0.11**	**0.13**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds SWPC ≥BRL SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 2A
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #					AOPEC-2A											
SAMPLE ID	REMEDIATION STANDARD REGULATIONS[1]				MW-CCA-5	MW-CCA-5	MW-CCA-5	MW-CCA-5	MW-202	MW-202	MW-202	MW-202	MW-203	MW-203	MW-203	MW-203
DATE SAMPLED					3/30/18	6/7/18	9/21/18	12/20/18	3/28/18	6/6/18	9/21/18	12/19/18	3/28/18	6/6/18	9/21/18	12/19/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1266	18F0389	18I1034	18L1024	18C1119	18F0263	18I1034	18L0967	18C1119	18F0263	18I1034	18L0967
PARAMETER[2] (Units)																
Polychlorinated Biphenyls by EPA method 8082 (ug/L)																
Total PCBs	0.5	0.5	NE	NE	BRL	BRL	BRL	BRL	NA	BRL	NA	NA	BRL	NA	NA	NA
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	**0.091**	**0.093**	**0.094**	**0.13**	**0.30**	**0.25**	**0.14**	**0.16**	**0.22**	**0.14**	**0.14**	**0.23**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 2B
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-2B						
SAMPLE ID					MW-6	MW-201	MW-201	MW-201	MW-201	MW-310	MW-T3
DATE SAMPLED					3/29/18	3/28/18	6/6/18	9/20/18	12/19/18	3/28/18	3/30/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1185	18C1119	18F0263	18I0925	18L0967	18C1119	18C1266
PARAMETER (Units)											
Polychlorinated Biphenyls by EPA method 8082 (ug/L)											
Total PCBs	0.5	0.5	NE	NE	BRL	BRL	BRL	BRL	BRL	NA	NA
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	**0.15**	**0.21**	**0.13**	**0.084**	**0.13**	**4.2**	**4.7**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 3A
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-3A			
SAMPLE ID					MW-AIR-1	MW-AIR1	MW-AIR1	MW-AIR-1
DATE SAMPLED					3/30/18	6/7/18	9/20/18	12/20/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1266	18F0389	--	18L1024
PARAMETER[2] (Units)								
Volatile Organic Compounds[2] by EPA method 8260 (ug/L)	CS	CS	CS	CS	NA	NA	WELL DRY	NA
Semivolatile Organic Compounds by EPA method 8270 (ug/L)	CS	CS	--	--	BRL	BRL		BRL
Extractable Total Petroleum Hydrocarbons[2] by CT method (mg/L)	0.25	0.25	NE	NE	NA	NA		NA

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL <# = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 3B
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STABRLARD REGULATIONS1				AOPEC-3B							
SAMPLE ID					MW-6	MW-T3	MW-T6	MW-TRW1	MW-CCA4	MW-CCA4	MW-CCA4	MW-CCA4
DATE SAMPLED					3/19/18	3/30/18	3/30/18	3/30/18	3/28/18	6/6/18	9/20/18	12/20/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1185	18C1266	18C1185	18C1266	18C1119	18F0263	18I0925	18I1024
PARAMETER[2] (Units)												
Polychlorinated Biphenyls by EPA method 8082 (ug/L)												
Total PCBs	0.5	0.5	NE	NE	BRL	NA	BRL	BRL	BRL	BRL	NA	NA
Volatile Organic Compounds by EPA method 8260 (ug/L)	CS	CS	CS	CS	BRL	NA	BRL	BRL	BRL	NA	NA	NA
Semivolatile Organic Compounds by EPA method 8270 (ug/L)	CS	CS	CS	CS	BRL	NA	NA	NA	BRL	BRL	BRL	BRL
Extractable Total Petroleum HydrocarboNA by CT method (mg/L)	0.25	0.25	NE	NE	**0.15**	**4.7**	**0.13**	**1.2**	BRL <0.075	BRL <0.075	**0.081**	**0.11**
Total RCRA 8 Metals by EPA method 6010B (ug/L)												
Chromium	50	NE	NE	NE	**5.9**	NA	BRL<5.0	BRL<5.0	BRL<5.0	BRL<5.0	BRL<5.0	BRL<5.0

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL <# = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 3D
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-3D	
SAMPLE ID					MW-6	MW-4R
DATE SAMPLED					3/19/18	3/29/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1185	18C1185
PARAMETER[2] (Units)						
Volatile Organic Compounds by EPA method 8260 (ug/L)	CS	CS	CS	CS	BRL	BRL
Semivolatile Organic Compounds by EPA method 8270 (ug/L)	CS	CS	CS	CS	BRL	NA
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	**0.15**	**0.17**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL <# = Below Reporting Limit (Reporting Limite Provided)

GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 3F
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-3F			
SAMPLE ID					MW-2A	MW-4R	MW-10	MW-11A
DATE SAMPLED					3/28/18	3/29/18	3/29/18	3/28/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1119	18C1185	18C1185	18C1185
PARAMETER[2] (Units)								
Volatile Organic Compounds by EPA method 8260 (ug/L)								
Chloroform	6	14,100	NE	NE	BRL<0.50	BRL<0.50	**0.75**	BRL<0.50
Extractable Total Petroleum HydrocarboNA by CT method (mg/L)	0.25	0.25	NE	NE	**0.38**	**0.17**	**0.15**	**0.17**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard RegulatioNA (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL <# = Below Reporting Limit (Reporting Limite Provided)

GWPC = GrouBRLwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 4
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-4															
SAMPLE ID					MW-201	MW-201	MW-201	MW-201	MW-203	MW-203	MW-203	MW-203	MW-CCA4	MW-CCA4	MW-CCA4	MW-CCA4	MW-CCA-5	MW-CCA-5	MW-CCA-6	MW-CCA-6
DATE SAMPLED					5/26/16	9/9/16	9/20/16	12/19/16	5/26/16	9/9/16	9/21/16	12/19/16	5/26/16	9/9/16	9/20/16	12/20/16	5/20/16	6/7/16	9/21/16	12/20/16
WORK ORDER NO.	GWPC	SWPC	RES VOL	I/C VOL	16C1119-06	16P0035-01	16I0035-05	16L0067-04	16C1119-07	16P0035-06	16I1064-04	16L0067-06	16C1119-04	16P0035-05	16I0035-04	16L1024-02	16C1205-06	16P0656-02	16I1064-02	16L1024-04
PARAMETER (Units)																				
Polychlorinated Biphenyls by EPA method 8082 (ug/L)																				
Total PCBs	0.5	0.5	NE	NE	BRL	BRL	BRL	BRL	BRL	NA	NA	NA	BRL	NA	NA	NA	BRL	BRL	BRL	BRL
Extractable Total Petroleum Hydrocarbons by CT method (mg/L)	0.25	0.25	NE	NE	**0.21**	**0.18**	**0.084**	**0.19**	**0.22**	**0.14**	**0.14**	**0.29**	BRL <0.075	BRL <0.075	**0.091**	**0.11**	**0.091**	**0.093**	**0.094**	**0.19**

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = GrouBRLwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - AOPEC 5
FORMER SIMSBURY AREA WORK CENTER
SIMSBURY, CT

AOPEC #	REMEDIATION STANDARD REGULATIONS[1]				AOPEC-5															
SAMPLE ID					MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	MW-16	DUP-1 (Duplicate of MW-16)	CCA-3	CCA-3	CCA-3	CCA-3	CCA-4	CCA-4	CCA-4	CCA-4
DATE SAMPLED					3/29/18	3/29/18	6/6/18	6/6/18	9/20/18	9/20/18	12/18/18	12/18/18	3/29/18	6/6/18	9/20/18	12/20/18	3/29/18	6/6/18	9/20/18	12/20/18
WORK ORDER NO.	GWPC	SWPC	RES VOL.	I/C VOL.	18C1119	18C1119	18F0263	18F0263	18I0925	18I0925	18L0967	18L0967	18C1119	18F0263	--	18I1024	18C1119	18F0263	18I0925	18I1024
PARAMETER[2] (Units)																				
Semivolatile Organic Compounds by EPA method 8270 (ug/L)																				
Benzo(b)fluoranthene (SIM)	0.08	0.3	NE	NE	**0.098**	BRL<0.049	BRL<0.19	BRL<0.20	BRL<0.048	BRL<0.051	BRL<0.050	BRL<0.051	BRL<0.048	BRL<0.19	WELL DRY	BRL<0.048	BRL<0.049	BRL<0.19	BRL<0.051	BRL<0.049
Extractable Total Petroleum Hydrocarbone by CT method (mg/L)	0.25	0.25	NE	NE	BRL<0.083	**0.078**	**0.11**	**0.099**	BRL<0.074	BRL<0.076	**0.12**	**0.16**	<0.075	<0.075		**0.14**	<0.075	<0.075	**0.081**	**0.11**
Total RCRA 8 Metals by EPA method 6010B (ug/L)																				
Barium	1,000	NE	NE	NE	BRL<50	BRL<50	BRL<50	BRL<50	BRL<50	BRL<50	BRL<50	BRL<50	**130**	**150**		**150**	BRL<50	BRL<50	BRL<50	BRL<50
Total Copper (ug/L)	1,300	48	NE	NE	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25	BRL<25		BRL<25	BRL<25	BRL<25	BRL<25	BRL<25
Hexavalent Chromium (mg/L)	NE	110	NE	NE	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0	BRL<0		BRL<0	BRL<0	BRL<0	BRL<0	BRL<0
Trivalent Chromium (mg/L)	NE	1,200	NE	NE	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040		BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040	BRL<0.0040

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised June 27, 2013).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.

mg/L = milligrams per liter
ug/L = micrograms per liter
BRL = below reporting limit
CS = compound specific
BOLD = compound detected at that concentration.
NA = not analyzed
BRL < # = Below Reporting Limit (Reporting Limite Provided)

GWPC = GrouBRLwater Protection Criteria
SWPC = Surface Water Protection Criteria
RES VOL. = Residential Volatilization Critera
I/C VOL. = Industrial / Commercial Volatilization Critera
NE = not established by CT DEEP
-- = not applicable

= Exceeds GWPC
= Exceeds SWPC
= Exceeds GWPC and SWPC

Prepared by: AP
Reviewed by: JCW/LMY

TABLE 3
Groundwater Elevations - 2018
Former Simsbury Area Work Center
Simsbury, Connecticut

Well ID	Monitoring Well Top of Casing Elevation (ft)	Depth to Water (ft) 3/28/2019	Water Surface Elevation (ft) 3/28/2018	Depth to Water (ft) 6/6/2018	Water Surface Elevation (ft) 6/6/2018	Depth to Water (ft) 9/20/2018	Water Surface Elevation (ft) 9/20/2018	Depth to Water (ft) 12/19/2018	Water Surface Elevation (ft) 12/19/2018
MW-2A	198.56	11.10	187.46	10.90	187.66	12.75	185.81	10.00	188.56
MW-4R	197.26	9.86	187.40	9.60	187.66	10.90	186.36	8.75	188.51
MW - 6	197.37	9.92	187.45	9.65	187.72	11.00	186.37	8.85	188.52
MW-8	198.54	11.11	187.43	11.00	187.54	12.30	186.24	10.15	188.39
MW-10	197.83	10.55	187.28	10.29	187.54	11.54	186.29	9.45	188.38
MW-11A	196.08	9.36	186.72	9.06	187.02	10.41	185.67	8.25	187.83
MW-15	197.77	11.45	186.32	11.15	186.62	12.15	185.62	10.45	187.32
MW-16	197.20	10.37	186.83	10.10	187.10	11.22	185.98	9.35	187.85
RW-1	195.88	8.95	186.93	8.73	187.15	11.05	184.83	8.85	187.03
MW-T1	196.42	8.05	188.37	7.82	188.60	7.85	188.57	7.46	188.96
MW-T2	196.39	8.11	188.28	7.81	188.58	7.90	188.49	7.50	188.89
MW-T3	197.59	10.93	186.66	11.36	186.23	11.66	185.93	8.77	188.82
MW-T5	195.73	7.15	188.58	7.23	188.50	7.30	188.43	6.94	188.79
MW-T6	195.87	7.13	188.74	4.27	191.60	7.35	188.52	6.95	188.92
TRW-1	196.76	8.10	188.66	7.95	188.81	8.21	188.55	7.7	189.06
CCA-1	183.48	6.75	176.73	6.90	176.58	9.50	173.98	4.05	179.43
CCA-2	197.38	9.64	187.74	9.88	187.50	10.20	187.18	9.37	188.01
CCA-3	196.21	14.79	181.42	15.20	181.01	17.00	179.21	13.26	182.95
CCA-4	195.94	7.35	188.59	9.90	186.04	8.32	187.62	7.00	188.94
CCA-5	199.18	11.10	188.08	11.10	188.08	12.50	186.68	10.17	189.01
CCA-6	197.31	7.22	190.09	7.63	189.68	8.63	188.68	6.60	190.71
A1R - 1	199.16	11.32	187.84	11.17	187.99	DRY	--	10.20	188.96
MW - SA North (R)	198.92	11.02	187.90	10.74	188.18	12.10	186.82	9.70	189.22
MW - SA South (R)	200.22	11.91	188.31	12.05	188.17	13.44	186.78	10.97	189.25
MW-310	NM	14.54	NM	14.68	NM	15.53	NM	13.30	NM
MW-200	198.03	10.80	187.23	10.80	187.23	12.22	185.81	9.90	188.13
MW-201	195.43	8.35	187.08	8.20	187.23	9.66	185.77	7.37	188.06
MW-202	196.16	9.30	186.86	9.05	187.11	10.53	185.63	8.20	187.96
MW-203	196.51	9.80	186.71	9.50	187.01	11.00	185.51	8.70	187.81

Abbreviations
NM = Not Measured

Appendix A

Weston & Sampson

PROJECT: Simsbury AWC

REPORT OF BORING No. B-601

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		34/60				0.0'-0.5' concrete		
						0.5'-4.0' used Utilivac to remove soil		
5				0	moist	4.0'-10.0' moist brown fine to coarse SAND with trace gravel and a small piece		
		50/60		0	moist			
				0	moist	5.0'-10.0' moist, brown fine to coarse SAND with trace gravel		
				0	moist			
				0	moist			
10				0	moist			
		45/60		0	moist	10.0'-12.0' moist brown fine to coarse SAND with trace silt and trace gravel		
				0	moist			
				0	wet	12.0'-15.0' wet brown fine to coarse SAND with trace silt and trace gravel		groundwater @ 12'
				0	wet			
15				0	wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-601A (8'-10') @ 1446 for ETPH, PCBs

B-601B (10'-12') @ 1448 for ETPH, PCBs

BORING No. B-601

Weston & Sampson

PROJECT: Simsbury AWC

REPORT OF BORING No. B-602

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER: Hand Auger

CASING:

CASING SIZE: Method

DRILL RIG:

TOTAL DEPTH:

DEPTH TO BEDROCK:

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		18/18		0		0.0'-0.5' concrete slab with rebar 0.5'-2.0' fine brown SAND with little rock		0'-2' hand auger
		24/24		0		2.0'-4.0' fine brown SAND with little rock		2-4' hand auger
5						end of boring		
10								
15								
20								
25								
30								
35								

Depth to Groundwater:

Well Installed: Yes / No

Screen Interval: to

REMARKS:

NOTES:

B-602A (0'-2') @ 1100 for ETPH, PCBs, PAHs, Metals, and VOCs

B-602B (2'-4') @ 1200 for ETPH, PCBs, PAHs, Metals, and VOCs

BORING No. B-602

Weston & Sampson

PROJECT: Simsbury AWC

REPORT OF BORING No. B-603

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER: Hand Auger

CASING:

CASING SIZE: Method

DRILL RIG:

TOTAL DEPTH:

DEPTH TO BEDROCK:

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		18/18		0		0.0'-0.5' concrete slab with rebar 0.5'-2.0' fine brown SAND with little rock		0'-2' hand auger
		24/24		0		2.0'-4.0' fine brown SAND with little rock		2-4' hand auger
5						end of boring		
10								
15								
20								
25								
30								
35								

Depth to Groundwater:

Well Installed: Yes / No

Screen Interval: to

REMARKS:

NOTES:

B-603A (0'-2') @ 1110 for ETPH, PCBs, PAHs, Metals, and VOCs

B-603B (2'-4') @ 1210 for ETPH, PCBs, PAHs, Metals, and VOCs

BORING No. B-603

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-604

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Will Sirotnak	DATE START 1/31/18	DATE END 1/31/18

SAMPLER: Hand Auger

CASING:

CASING SIZE: Method

DRILL RIG:

TOTAL DEPTH:

DEPTH TO BEDROCK:

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
						0'-0.5' concrete slab		0'-2' hand auger sample
		18/18		0		0.5'-2' brown fine SAND with little rock		
						2'-4' brown fine SAND with little rock		2'-4' hand auger sample
		24/24		0				
5						end of boring		
10								
15								
20								
25								
30								
35								

Depth to Groundwater:

Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES: sample B-604A (0'-2') @ 1120 for ETPH, PCBs, metals, VOCs, and PAHs
sample B-604B (2'-4') @ 1220 for ETPH, PCBs, metals, VOCs, and PAHs

BORING No. B-604

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-605

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Will Sirotnak	DATE START 1/31/18	DATE END 1/31/18

SAMPLER: Hand Auger

CASING:

CASING SIZE: Method

DRILL RIG:

TOTAL DEPTH:

DEPTH TO BEDROCK:

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
						0'-0.4' concrete slab		0'-2' hand auger sample
		19/19		0		0.4'-2' brown fine SAND with little rock		
						2'-4' brown fine SAND with little rock		2'-4' hand auger sample
		24/24		0				
5						end of boring		
10								
15								
20								
25								
30								
35								

Depth to Groundwater:

Well Installed: Yes / No

Screen Interval: to

REMARKS:

NOTES: sample B-605A (0'-2') @ 1130 for ETPH, PCBs, metals, VOCs, and PAHs
sample B-605B (2'-4') @ 1230 for ETPH, PCBs, metals, VOCs, and PAHs

BORING No. B-605

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-606

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
						0.0'-0.5' concrete		
						0.5'-4.0' used Utilivac to remove		
5		45/72		0	moist	4.0'-10.0' moist reddish-brown fine to coarse SAND with trace silt and trace		
				0	moist			
				0	moist			
				0	moist			
				0	moist			
10				0	moist			
		56/60		0	moist	10.0'-15.0' wet reddish-brown fine to coarse SAND with trace silt and trace		
				0	moist	gravel		
				0	moist			
				0	moist			
15				0	wet			groundwater @ 14'
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:
B-606A (8'-10') @ 1430 for ETPH and PCBs
DUP-1, duplicate of B-606A collected
B-606B (10'-12') @ 1432 for ETPH and PCBs

BORING No. B-606

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-607

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
						0.0'-0.5' concrete		
						0.5'-4.0' used Utilivac to remove soil		
5		50/72		0	moist	4.0'-12.0' moist, brown fine to coarse SAND with trace gravel and trace silt		
				0	moist			
				0	moist			
				0	moist			
				0	moist			
10				0	moist			
		54/60		0	moist			
				0	moist			
				0	wet	12.0'-15.0' wet, brown fine to coarse SAND with trace gravel and trace silt		groundwater @ 12'
				0	wet			
15				0	wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:				REMARKS:
Well Installed	Yes		No	
Screen Interval		to		

NOTES: B-607A (8'-10') @ 1458 for ETPH and PCBs
B-607B (10'-12') @ 1500 for ETPH and PCBs

BORING No. B-607

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-608

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
		23/60		0	moist	0.0'-0.2' asphalt		
				0	moist	0.2' - 5.0' dark brown fine to medium SAND with trace silt and trace gravel		
				0	moist			
				0	moist			
5				0	moist			
		18/60		0	moist	5.0' - 10.0' moist, dark brown fine to medium SAND		
				0	moist			
				0	moist			
				0	moist			
10				0	moist			
		36/60		0	moist	10.0' - 14.0' moist, brown fine to medium SAND		
				0	moist			
				0	moist			
				0	moist			
15				0	wet	14.0' - 15.0' wet, brown fine to medium SAND with trace silt		groundwater @ 14'
20								
25								
30								
35								

Depth to Groundwater:				REMARKS:
Well Installed	Yes		No	
Screen Interval		to		

NOTES:
B-608A (8'-10') @ 0942 for ETPH, SPLP ETPH (hold), PAHs, and Lead
B-608B (10'-12') @ 0944 for ETPH, SPLP ETPH (hold), PAHs, and Lead
B-608A (12'-14') @ 0946 for ETPH, SPLP ETPH (hold), PAHs, and Lead

BORING No. B-608

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-609

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		35/60		0	moist	0.0'-0.5' asphalt		
				0	moist	0.5'-5.0' moist reddish brown fine to medium SAND with trace silt and trace		
				0	moist			
				0	moist			
5				0	moist			
		42/60		0	moist	5.0'-8.0' moist brown fine to medium SAND with some silt, trace gravel, and		
				0	moist	possible asphalt at 6.0'		
				0	moist			
				0	moist	8.0'-9.0' white pulverized rock		
10				0	moist	9.0'-10.0' moist brown fine to medium SAND with some silt and trace gravel		
		36/60		0	moist	10.0'-14.0' moist brown fice to medium SAND with trace gravel and trace silt		
				0	moist			
				0	moist			
				0	moist			
15				0	wet	14.0'-15.0' wet brown fice to medium SAND with trace gravel and trace silt		
						end of boring		
20								
25								
30								
35								

	Depth to Groundwater:			REMARKS:
	Well Installed	Yes		No
	Screen Interval		to	

NOTES:

B-609A (8'-10') @ 1012 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)
B-609B (10'-12') @ 1014 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)
B-609A (12'-14') @ 1016 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)

BORING No. B-609

Weston & Sampson

PROJECT: Simsbury AWC

REPORT OF BORING No. B-610

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
		23/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-5.0' moist, reddish dark brown fine to medium SAND with trace silt and		
					moist	trace gravel		
					moist			
5					moist			
		55/60			moist	5.0'-10.0' moist, brown fine to coarse SAND with trace gravel		
					moist			
					moist			
					moist			
10					moist			
		50/60			moist	10.0'-12.0' moist reddish drown fine to coarse SAND with trace gravel and		
					moist	trace silt		groundwater @ 12'
					wet	12.0'-15.0' wet reddish drown fine to coarse SAND with trace gravel and trace		
					wet	silt		
15					wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:				REMARKS:
Well Installed	Yes		No	
Screen Interval		to		

NOTES:

B-610A (8'-10') @ 1106 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)
B-610B (10'-12') @ 1108 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)
B-610A (12'-14') @ 1110 for ETPH, SPLP ETPH (hold), PAHs (hold), and Lead (hold)

BORING No. B-610

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-611

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		36/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-3.0' moist, red fine to medium SAND with trace silt		
					moist			
					moist	3.0'-5.0' moist, brown fine to medium SAND with trace silt and trace gravel		
5					moist			
		55/60			moist	5.0'-10.0' moist brownish tan fine to medium SAND with trace gravel		
					moist			
					moist			
					moist			
10					moist			
		40/60			moist	10.0'-13.5' moist reddish tan fine to coarse SAND with trace silt and trace		
					moist	gravel		groundwater @ 13.5'
					wet			
					wet			
15					wet	13.5'-15.0' wet reddish tan fine to coarse SAND with trace silt and trace gravel		
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:

Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-611A (8'-10') @ 1054 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-611B (10'-12') @ 1056 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-611A (12'-14') @ 1058 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)

BORING No. B-611

Weston & Sampson

PROJECT: Simsbury AWC

REPORT OF BORING No. B-612

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		39/60		0	moist	0.0'-0.5' asphalt		
				0	moist	0.5'-5.0' moist, reddish brown fine to medium SAND with trace silt and trace		
				0	moist			
				0	moist			
5				0	moist			
		35/60		0	moist	5.0'-10.0' moist brown fine to coarse SAND with trace gravel and trace silt		
				0	moist			
				0	moist			
				0	moist			
10				0	moist			
		35/60		0	moist	10.0'-15.0' moist brown fine to coarse SAND with trace gravel and trace silt		
				0	moist	with possible asphalt at 12.0'		
				0	moist			
				0	moist			
15				0	wet			groundwater @ 14.0'
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-612A (8'-10') @ 1054 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-612B (10'-12') @ 1056 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-612A (12'-14') @ 1058 for ETPH (hold), SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)

BORING No. B-612

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-613

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		39/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-5.0' moist, reddish brown fine to medium SAND with trace silt and trace gravel		
					moist			
					moist			
5					moist			
		35/60			moist	5.0'-10.0' moist brown fine to coarse SAND with trace gravel and trace silt		
					moist			
					moist			
					moist			
10					moist			
		35/60			moist	10.0'-13.0' moist, reddish brown fine to medium SAND with trace silt and trace gravel		
					moist			
					moist			
					wet	13.0'-15.0' wet, reddish brown fine to medium SAND with trace silt and trace gravel		groundwater @ 13'
15					wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-613A (8'-10') @ 1038 for ETPH
B-613B (10'-12') @ 1040 for ETPH, SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-613A (12'-14') @ 1042 for ETPH

BORING No. B-613

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-614

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
		30/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-5.0' moist, reddish brown fine to medium SAND with some silt and trace		
					moist	gravel		
					moist			
5					moist			
		33/60			moist	5.0'-10.0' moist brown fine to medium SAND with trace silt and trace gravel		
					moist			
					moist			
					moist			
10					moist			
		45/60			moist	10.0'-14.0' moist brown fine to medium SAND with trace silt and trace gravel		
					moist			
					moist			
					moist			
15					wet	14.0'-15.0' wet brown fine to medium SAND with trace silt and trace gravel		groundwater @ 14'
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-614A (8'-10') @ 1222 for ETPH
B-614B (10'-12') @ 1224 for ETPH, SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-614A (12'-14') @ 1226 for ETPH

BORING No. B-614

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-615

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
		40/60		0	moist	0.0'-0.5' asphalt		
				0	moist	0.5'-5.0' moist, reddish brown fine to medium SAND with trace silt and trace		
				0	moist	gravel		
				0	moist			
5				0	moist			
		50/60		0	moist	5.0'-10.0' moist, reddish brown fine to medium SAND with trace silt and trace		
				0	moist			
				0	moist			
				0	moist			
10				0	moist			
		45/60		0	moist	10.0'-12.0' moist light brown fine to coarse SAND wth trace gravel		
				0	moist			
				0	wet	12.0'-15.0' wet light brown fine to coarse SAND wth trace gravel		groundwater @ 12'
				0	wet			
15				0	wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-615A (8'-10') @ 1136 for ETPH
B-615B (10'-12') @ 1138 for ETPH, SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-615A (12'-14') @ 1140 for ETPH

BORING No. B-615

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-616

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION Burmister Classification	Contact Interval	Sample Details
		40/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-5.0' moist, brown fine to medium SAND with some silt and trace gravel		
					moist			
					moist			
5					moist			
		50/60			moist	5.0'-10.0' moist, reddish brown fine to medium SAND with trace gravel and		
					moist	possible aspalt at 5.5'		
					moist			
					moist			
10					moist			
		45/60			moist			
					moist	10.0'-14.0' moist red brown fine to coarse SAND with trace silt and gravel		
					moist			
					moist			
15					wet	14.0'-15.0' moist red brown fine to coarse SAND with trace silt and gravel		groundwater @ 14'
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:			
Well Installed	Yes		No
Screen Interval		to	

REMARKS:

NOTES:

B-616A (8'-10') @ 1206 for ETPH
B-616B (10'-12') @ 1208 for ETPH, SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-616A (12'-14') @ 1210 for ETPH

BORING No. B-616

Weston & Sampson℠

PROJECT: Simsbury AWC

REPORT OF BORING No. B-617

SHEET 1 OF 1

Project No. 2170111

CHKD BY CMB

BORING Co.	CEI	BORING LOCATION	See attached plan
FOREMAN	Hanson Cummins	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Gabriella Pagliuca	DATE START 1/31/18	DATE END 1/31/18

SAMPLER:	Geoprobe 6620DT	DRILL RIG:	
CASING:	60-inch Macrocre	TOTAL DEPTH:	
CASING SIZE:	2" Method direct push	DEPTH TO BEDROCK:	

DEPTH (feet)	CASING (lb/ft)	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	PID (ppm)	Moisture	SAMPLE DESCRIPTION / Burmister Classification	Contact Interval	Sample Details
		34/60			moist	0.0'-0.5' asphalt		
					moist	0.5'-5.0' moist, brown fine to medium SAND with some silt and trace gravel		
					moist			
					moist			
5					moist			
		50/60			moist			
					moist	5.0'-10.0' moist, brown fine to coarse SAND with trace gravel		
					moist			
					moist			
10					moist			
		45/60			moist	10.0'-13.0' moist reddish brown fine to coarse SAND and trace silt with		
					moist	possible asphalt at 11'		
					moist			
					wet	13.0'-15.0' wet reddish brown fine to coarse SAND and trace silt		groundwater @ 13'
15					wet			
						end of boring		
20								
25								
30								
35								

Depth to Groundwater:				REMARKS:
Well Installed	Yes		No	
Screen Interval		to		

NOTES:

B-617A (8'-10') @ 1148 for ETPH
B-617B (10'-12') @ 1150 for ETPH, SPLP ETPH (hold) (hold), PAHs (hold), and Lead (hold)
B-617A (12'-14') @ 1152 for ETPH

BORING No. B-617

Appendix B

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 8, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 34 Hopmeadow St., Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18B0026

Enclosed are results of analyses for samples received by the laboratory on February 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 34 Hopmeadow St., Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-608A (8-10)	18B0026-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 8270D	
B-608B (10-12)	18B0026-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 8270D	
B-608C (12-14)	18B0026-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 8270D	
B-609A (8-10)	18B0026-07	Soil		CTDEP ETPH	
				SM 2540G	
B-609B (10-12)	18B0026-08	Soil		CTDEP ETPH	
				SM 2540G	
B-609C (12-14)	18B0026-09	Soil		CTDEP ETPH	
				SM 2540G	
B-613A (8-10)	18B0026-10	Soil		CTDEP ETPH	
				SM 2540G	
B-613B (10-12)	18B0026-11	Soil		CTDEP ETPH	
				SM 2540G	
B-613C (12-14)	18B0026-12	Soil		CTDEP ETPH	
				SM 2540G	
B-610A (8-10)	18B0026-16	Soil		CTDEP ETPH	
				SM 2540G	
B-610B (10-12)	18B0026-17	Soil		CTDEP ETPH	
				SM 2540G	
B-610C (12-14)	18B0026-18	Soil		CTDEP ETPH	
				SM 2540G	
B-615A (8-10)	18B0026-19	Soil		CTDEP ETPH	
				SM 2540G	
B615B (10-12)	18B0026-20	Soil		CTDEP ETPH	
				SM 2540G	
B-615C (12-14)	18B0026-21	Soil		CTDEP ETPH	
				SM 2540G	
B-617A (8-10)	18B0026-22	Soil		CTDEP ETPH	
				SM 2540G	
B-617B (10-12)	18B0026-23	Soil		CTDEP ETPH	
				SM 2540G	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 34 Hopmeadow St., Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-617C (12-14)	18B0026-24	Soil		CTDEP ETPH	
				SM 2540G	
B-616A (8-10)	18B0026-25	Soil		CTDEP ETPH	
				SM 2540G	
B-616B (10-12)	18B0026-26	Soil		CTDEP ETPH	
				SM 2540G	
B-616C (12-14)	18B0026-27	Soil		CTDEP ETPH	
				SM 2540G	
B-614A (8-10)	18B0026-28	Soil		CTDEP ETPH	
				SM 2540G	
B-614B (10-12)	18B0026-29	Soil		CTDEP ETPH	
				SM 2540G	
B-614C (12-14)	18B0026-30	Soil		CTDEP ETPH	
				SM 2540G	
B-606A (8-10)	18B0026-31	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
B-606B (10-12)	18B0026-32	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
B-601A (8-10)	18B0026-33	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
B-601B (10-12)	18B0026-34	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
B-607A (8-10)	18B0026-35	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
B-607B (10-12)	18B0026-36	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
DUP-1	18B0026-37	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
Trip Blank-013118	18B0026-38	Trip Blank Soil		SW-846 8260C	

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Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 34 Hopmeadow St., Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-602A (0-2)	18B0026-39	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-602B (2-4)	18B0026-40	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-603A (0-2)	18B0026-41	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-603B (2-4)	18B0026-42	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-604A (0-2)	18B0026-43	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 34 Hopmeadow St., Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-604B (2-4)	18B0026-44	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-605A (0-2)	18B0026-45	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-605B (2-4)	18B0026-46	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only a select list of metals was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B196114-BS1

Acetone
B196114-BS1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Acetone
B196114-BS1, S019858-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
18B0026-38[Trip Blank-013118], 18B0026-39[B-602A (0-2)], 18B0026-40[B-602B (2-4)], 18B0026-41[B-603A (0-2)], 18B0026-42[B-603B (2-4)], 18B0026-43[B-604A (0-2)], 18B0026-44[B-604B (2-4)], 18B0026-45[B-605A (0-2)], 18B0026-46[B-605B (2-4)], B196114-BLK1, B196114-BS1, S019858-CCV1

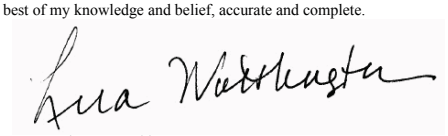
SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608A (8-10)

Sample ID: 18B0026-01 Start Date/Time: 1/31/2018 9:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:43:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 14:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	63.2	30-130		2/7/18 14:40
2-Fluorobiphenyl	59.2	30-130		2/7/18 14:40
p-Terphenyl-d14	64.0	30-130		2/7/18 14:40



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608A (8-10)

Sample ID: 18B0026-01 Start Date/Time: 1/31/2018 9:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:43:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 13:32	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	63.0	50-150				2/7/18 13:32	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608A (8-10)

Sample ID: 18B0026-01 Start Date/Time: 1/31/2018 9:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:43:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.1	0.51	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 13:46	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608A (8-10)

Sample ID: 18B0026-01 Start Date/Time: 1/31/2018 9:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:43:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	2/2/18	2/3/18 16:50	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608B (10-12)

Sample ID: 18B0026-02 Start Date/Time: 1/31/2018 9:44:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:45:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	60.7	30-130		2/7/18 15:02
2-Fluorobiphenyl	57.3	30-130		2/7/18 15:02
p-Terphenyl-d14	63.7	30-130		2/7/18 15:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608B (10-12)

Sample ID: 18B0026-02 Start Date/Time: 1/31/2018 9:44:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:45:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 14:26	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	60.4	50-150				2/7/18 14:26	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608B (10-12)

Sample ID: 18B0026-02 Start Date/Time: 1/31/2018 9:44:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:45:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	4.1	0.51	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 13:59	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608B (10-12)

Sample ID: 18B0026-02 Start Date/Time: 1/31/2018 9:44:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:45:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:50	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608C (12-14)

Sample ID: 18B0026-03 Start Date/Time: 1/31/2018 9:46:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:47:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	63.0	30-130		2/7/18 15:24
2-Fluorobiphenyl	61.2	30-130		2/7/18 15:24
p-Terphenyl-d14	61.9	30-130		2/7/18 15:24

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608C (12-14)

Sample ID: 18B0026-03 Start Date/Time: 1/31/2018 9:46:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:47:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	54	11	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:37	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	64.0	50-150				2/7/18 15:37	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608C (12-14)

Sample ID: 18B0026-03 Start Date/Time: 1/31/2018 9:46:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:47:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2.4	0.54	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:03	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-608C (12-14)

Sample ID: 18B0026-03 Start Date/Time: 1/31/2018 9:46:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 9:47:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	2/2/18	2/3/18 16:50	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609A (8-10)

Sample ID: 18B0026-07 Start Date/Time: 1/31/2018 10:12:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:13:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 14:43	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	64.1	50-150				2/7/18 14:43	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609A (8-10)

Sample ID: 18B0026-07 Start Date/Time: 1/31/2018 10:12:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:13:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:50	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609B (10-12)

Sample ID: 18B0026-08 Start Date/Time: 1/31/2018 10:14:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:15:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:01	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	56.2	50-150				2/7/18 15:01	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609B (10-12)

Sample ID: 18B0026-08 Start Date/Time: 1/31/2018 10:14:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:15:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609C (12-14)

Sample ID: 18B0026-09 Start Date/Time: 1/31/2018 10:16:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:17:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	13	12	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:37	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	57.8	50-150				2/7/18 15:37	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-609C (12-14)

Sample ID: 18B0026-09 Start Date/Time: 1/31/2018 10:16:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:17:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613A (8-10)

Sample ID: 18B0026-10 Start Date/Time: 1/31/2018 10:38:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:39:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:19	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	71.1	50-150				2/7/18 15:19	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613A (8-10)

Sample ID: 18B0026-10 Start Date/Time: 1/31/2018 10:38:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:39:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613B (10-12)

Sample ID: 18B0026-11 Start Date/Time: 1/31/2018 10:40:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:41:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 12:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	66.4	50-150				2/7/18 12:39	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613B (10-12)

Sample ID: 18B0026-11 Start Date/Time: 1/31/2018 10:40:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:41:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613C (12-14)

Sample ID: 18B0026-12 Start Date/Time: 1/31/2018 10:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:43:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2000	530	mg/Kg dry	50		CTDEP ETPH	2/2/18	2/8/18 9:42	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	78.6	50-150				2/8/18 9:42	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-613C (12-14)

Sample ID: 18B0026-12 Start Date/Time: 1/31/2018 10:42:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 10:43:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610A (8-10)

Sample ID: 18B0026-16 Start Date/Time: 1/31/2018 11:06:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:07:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	100	mg/Kg dry	10		CTDEP ETPH	2/2/18	2/8/18 10:00	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	70.6	50-150				2/8/18 10:00	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610A (8-10)

Sample ID: 18B0026-16 Start Date/Time: 1/31/2018 11:06:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:07:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.0		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610B (10-12)

Sample ID: 18B0026-17 Start Date/Time: 1/31/2018 11:08:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:09:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	12	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 13:32	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	70.8	50-150				2/7/18 13:32	

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Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610B (10-12)

Sample ID: 18B0026-17 | Start Date/Time: 1/31/2018 11:08:00AM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 11:09:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610C (12-14)

Sample ID: 18B0026-18 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	130	55	mg/Kg dry	5		CTDEP ETPH	2/2/18	2/8/18 10:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	74.0	50-150		2/8/18 10:18

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-610C (12-14)

Sample ID: 18B0026-18 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-615A (8-10)

Sample ID: 18B0026-19 Start Date/Time: 1/31/2018 11:36:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:37:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	27	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:54	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	76.2	50-150				2/7/18 15:54	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-615A (8-10)

Sample ID: 18B0026-19 Start Date/Time: 1/31/2018 11:36:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:37:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B615B (10-12)

Sample ID: 18B0026-20 Start Date/Time: 1/31/2018 11:38:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:39:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	51	mg/Kg dry	5		CTDEP ETPH	2/2/18	2/8/18 10:36	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	64.4	50-150				2/8/18 10:36	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B615B (10-12)

Sample ID: 18B0026-20 Start Date/Time: 1/31/2018 11:38:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:39:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-615C (12-14)

Sample ID: 18B0026-21 Start Date/Time: 1/31/2018 11:40:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:41:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 14:26	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	73.0	50-150				2/7/18 14:26	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-615C (12-14)

Sample ID: 18B0026-21 Start Date/Time: 1/31/2018 11:40:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:41:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617A (8-10)

Sample ID: 18B0026-22 Start Date/Time: 1/31/2018 11:48:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:49:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	100	mg/Kg dry	10		CTDEP ETPH	2/2/18	2/8/18 10:54	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	55.0	50-150				2/8/18 10:54	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617A (8-10)

Sample ID: 18B0026-22 | Start Date/Time: 1/31/2018 11:48:00AM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 11:49:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	2/2/18	2/3/18 16:51	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617B (10-12)

Sample ID: 18B0026-23 Start Date/Time: 1/31/2018 11:50:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:51:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:01	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	57.7	50-150				2/7/18 15:01	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617B (10-12)

Sample ID: 18B0026-23 Start Date/Time: 1/31/2018 11:50:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:51:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617C (12-14)

Sample ID: 18B0026-24 Start Date/Time: 1/31/2018 11:52:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:53:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	390	110	mg/Kg dry	10		CTDEP ETPH	2/2/18	2/8/18 11:12	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	64.3	50-150				2/8/18 11:12	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-617C (12-14)

Sample ID: 18B0026-24 Start Date/Time: 1/31/2018 11:52:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:53:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616A (8-10)

Sample ID: 18B0026-25 | Start Date/Time: 1/31/2018 12:06:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:07:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	13	11	mg/Kg dry	1		CTDEP ETPH	2/2/18	2/7/18 15:54	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	56.9	50-150				2/7/18 15:54	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616A (8-10)

Sample ID: 18B0026-25 | Start Date/Time: 1/31/2018 12:06:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:07:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616B (10-12)

Sample ID: 18B0026-26 | Start Date/Time: 1/31/2018 12:08:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:09:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	340	100	mg/Kg dry	10		CTDEP ETPH	2/2/18	2/5/18 21:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	56.6	50-150				2/5/18 21:39	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616B (10-12)

Sample ID: 18B0026-26 Start Date/Time: 1/31/2018 12:08:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:09:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616C (12-14)

Sample ID: 18B0026-27 | Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:11:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 12:40	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	97.6	50-150				2/6/18 12:40	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-616C (12-14)

Sample ID: 18B0026-27 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614A (8-10)

Sample ID: 18B0026-28 | Start Date/Time: 1/31/2018 12:22:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:23:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	370	210	mg/Kg dry	20		CTDEP ETPH	2/3/18	2/6/18 15:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	78.4	50-150				2/6/18 15:57	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614A (8-10)

Sample ID: 18B0026-28 | Start Date/Time: 1/31/2018 12:22:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:23:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614B (10-12)

Sample ID: 18B0026-29 Start Date/Time: 1/31/2018 12:24:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:25:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 13:52	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	90.8	50-150				2/6/18 13:52	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614B (10-12)

Sample ID: 18B0026-29 Start Date/Time: 1/31/2018 12:24:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:25:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614C (12-14)

Sample ID: 18B0026-30 Start Date/Time: 1/31/2018 12:26:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:27:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	12	11	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 14:10	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	90.4	50-150				2/6/18 14:10	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-614C (12-14)

Sample ID: 18B0026-30 Start Date/Time: 1/31/2018 12:26:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:27:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606A (8-10)

Sample ID: 18B0026-31 Start Date/Time: 1/31/2018 2:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:31:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		2/7/18 15:16
Decachlorobiphenyl [2]	89.4	30-150		2/7/18 15:16
Tetrachloro-m-xylene [1]	90.4	30-150		2/7/18 15:16
Tetrachloro-m-xylene [2]	95.3	30-150		2/7/18 15:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606A (8-10)

Sample ID: 18B0026-31 Start Date/Time: 1/31/2018 2:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:31:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	520	200	mg/Kg dry	20		CTDEP ETPH	2/3/18	2/6/18 16:15	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	76.1	50-150				2/6/18 16:15	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606A (8-10)

Sample ID: 18B0026-31 Start Date/Time: 1/31/2018 2:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:31:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.2		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606B (10-12)

Sample ID: 18B0026-32 | Start Date/Time: 1/31/2018 2:32:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 2:33:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		2/7/18 15:29
Decachlorobiphenyl [2]	103	30-150		2/7/18 15:29
Tetrachloro-m-xylene [1]	96.5	30-150		2/7/18 15:29
Tetrachloro-m-xylene [2]	101	30-150		2/7/18 15:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606B (10-12)

Sample ID: 18B0026-32 | Start Date/Time: 1/31/2018 2:32:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 2:33:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	19	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 14:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	92.2	50-150				2/6/18 14:27	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-606B (10-12)

Sample ID: 18B0026-32 Start Date/Time: 1/31/2018 2:32:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:33:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601A (8-10)

Sample ID: 18B0026-33 Start Date/Time: 1/31/2018 2:46:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:47:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	87.8	30-150						2/7/18 15:41
Decachlorobiphenyl [2]	93.0	30-150						2/7/18 15:41
Tetrachloro-m-xylene [1]	84.5	30-150						2/7/18 15:41
Tetrachloro-m-xylene [2]	88.5	30-150						2/7/18 15:41

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601A (8-10)

Sample ID: 18B0026-33 Start Date/Time: 1/31/2018 2:46:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:47:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 14:45	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	92.1	50-150				2/6/18 14:45	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601A (8-10)

Sample ID: 18B0026-33 Start Date/Time: 1/31/2018 2:46:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:47:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:52	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601B (10-12)

Sample ID: 18B0026-34 Start Date/Time: 1/31/2018 2:48:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:49:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 15:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.3	30-150		2/7/18 15:54
Decachlorobiphenyl [2]	101	30-150		2/7/18 15:54
Tetrachloro-m-xylene [1]	95.0	30-150		2/7/18 15:54
Tetrachloro-m-xylene [2]	99.4	30-150		2/7/18 15:54

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601B (10-12)

Sample ID: 18B0026-34 Start Date/Time: 1/31/2018 2:48:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:49:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	480	200	mg/Kg dry	20		CTDEP ETPH	2/3/18	2/6/18 16:33	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	73.0	50-150				2/6/18 16:33	

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Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-601B (10-12)

Sample ID: 18B0026-34 | Start Date/Time: 1/31/2018 2:48:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 2:49:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.1		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607A (8-10)

Sample ID: 18B0026-35 Start Date/Time: 1/31/2018 2:58:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:59:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		2/7/18 16:07
Decachlorobiphenyl [2]	77.5	30-150		2/7/18 16:07
Tetrachloro-m-xylene [1]	86.7	30-150		2/7/18 16:07
Tetrachloro-m-xylene [2]	90.4	30-150		2/7/18 16:07

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607A (8-10)

Sample ID: 18B0026-35 Start Date/Time: 1/31/2018 2:58:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:59:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 15:03	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	85.3	50-150				2/6/18 15:03	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607A (8-10)

Sample ID: 18B0026-35 Start Date/Time: 1/31/2018 2:58:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 2:59:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607B (10-12)

Sample ID: 18B0026-36 Start Date/Time: 1/31/2018 3:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 3:01:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		2/7/18 16:20
Decachlorobiphenyl [2]	95.6	30-150		2/7/18 16:20
Tetrachloro-m-xylene [1]	96.0	30-150		2/7/18 16:20
Tetrachloro-m-xylene [2]	100	30-150		2/7/18 16:20

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607B (10-12)

Sample ID: 18B0026-36 Start Date/Time: 1/31/2018 3:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 3:01:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 14:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	82.1	50-150					2/6/18 14:27

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-607B (10-12)

Sample ID: 18B0026-36 Start Date/Time: 1/31/2018 3:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 3:01:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.7		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: DUP-1 Sampled: 1/31/2018 00:00

Sample ID: 18B0026-37

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.7	30-150		2/7/18 16:32
Decachlorobiphenyl [2]	97.8	30-150		2/7/18 16:32
Tetrachloro-m-xylene [1]	89.4	30-150		2/7/18 16:32
Tetrachloro-m-xylene [2]	93.3	30-150		2/7/18 16:32

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: DUP-1 Sampled: 1/31/2018 00:00

Sample ID: 18B0026-37

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	310	200	mg/Kg dry	20		CTDEP ETPH	2/3/18	2/6/18 16:51	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	80.5	50-150		2/6/18 16:51

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: DUP-1 Sampled: 1/31/2018 00:00

Sample ID: 18B0026-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.2		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: Trip Blank-013118 Sampled: 1/31/2018 00:00

Sample ID: 18B0026-38

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Bromomethane	ND	0.010	mg/Kg wet	1	V-34	SW-846 8260C	2/2/18	2/5/18 14:09	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
2,2-Dichloropropane	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: Trip Blank-013118 Sampled: 1/31/2018 00:00

Sample ID: 18B0026-38

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	2/2/18	2/5/18 14:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		2/5/18 14:09
Toluene-d8	106	70-130		2/5/18 14:09
4-Bromofluorobenzene	97.7	70-130		2/5/18 14:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Acrylonitrile	ND	0.0045	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Bromomethane	ND	0.0075	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 14:35	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Carbon Disulfide	ND	0.0045	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Chlorodibromomethane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Chloromethane	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2-Dibromoethane (EDB)	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
trans-1,4-Dichloro-2-butene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,3-Dichloropropane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
cis-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
trans-1,3-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Tetrahydrofuran	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
Vinyl Chloride	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 14:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		2/5/18 14:35
Toluene-d8	105	70-130		2/5/18 14:35
4-Bromofluorobenzene	99.8	70-130		2/5/18 14:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 15:46	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	53.7	30-130		2/7/18 15:46
2-Fluorobiphenyl	50.8	30-130		2/7/18 15:46
p-Terphenyl-d14	54.2	30-130		2/7/18 15:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 16:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		2/7/18 16:45
Decachlorobiphenyl [2]	100	30-150		2/7/18 16:45
Tetrachloro-m-xylene [1]	101	30-150		2/7/18 16:45
Tetrachloro-m-xylene [2]	105	30-150		2/7/18 16:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 14:45	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	89.9	50-150				2/6/18 14:45	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Barium	51	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Chromium	9.3	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Lead	4.4	0.51	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 10:58	EJB
Selenium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW
Silver	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:07	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602A (0-2)

Sample ID: 18B0026-39 Start Date/Time: 1/31/2018 11:00:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:01:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Bromomethane	ND	0.0078	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 15:01	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Chlorodibromomethane	ND	0.00078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Chloromethane	ND	0.0078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2-Dibromoethane (EDB)	ND	0.00078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,3-Dichloropropane	ND	0.00078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
2,2-Dichloropropane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
cis-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
trans-1,3-Dichloropropene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.00078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Tetrahydrofuran	ND	0.0078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
Vinyl Chloride	ND	0.0078	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		2/5/18 15:01
Toluene-d8	106	70-130		2/5/18 15:01
4-Bromofluorobenzene	96.4	70-130		2/5/18 15:01

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Benzo(a)pyrene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Benzo(b)fluoranthene	0.25	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Fluoranthene	0.37	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL
Pyrene	0.35	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	65.2	30-130		2/7/18 16:08
2-Fluorobiphenyl	62.7	30-130		2/7/18 16:08
p-Terphenyl-d14	65.0	30-130		2/7/18 16:08

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		2/7/18 18:14
Decachlorobiphenyl [2]	94.0	30-150		2/7/18 18:14
Tetrachloro-m-xylene [1]	88.7	30-150		2/7/18 18:14
Tetrachloro-m-xylene [2]	92.1	30-150		2/7/18 18:14

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 15:03	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.0	50-150		2/6/18 15:03

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Barium	31	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Chromium	8.1	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Lead	8.2	0.52	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:00	EJB
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:15	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-602B (2-4)

Sample ID: 18B0026-40 Start Date/Time: 1/31/2018 12:00:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:01:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 15:27	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
2,2-Dichloropropane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
trans-1,3-Dichloropropene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
m+p Xylene	0.0036	0.0031	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		2/5/18 15:27
Toluene-d8	108	70-130		2/5/18 15:27
4-Bromofluorobenzene	100	70-130		2/5/18 15:27

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/7/18 16:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	59.3	30-130		2/7/18 16:30
2-Fluorobiphenyl	56.9	30-130		2/7/18 16:30
p-Terphenyl-d14	63.5	30-130		2/7/18 16:30

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.7	30-150		2/7/18 18:27
Decachlorobiphenyl [2]	98.2	30-150		2/7/18 18:27
Tetrachloro-m-xylene [1]	92.8	30-150		2/7/18 18:27
Tetrachloro-m-xylene [2]	96.6	30-150		2/7/18 18:27

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	300	200	mg/Kg dry	20		CTDEP ETPH	2/3/18	2/6/18 16:51	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	71.4	50-150		2/6/18 16:51

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Barium	59	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Chromium	8.7	0.33	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Lead	3.8	0.50	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:06	EJB
Selenium	ND	3.3	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW
Silver	ND	0.33	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:20	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603A (0-2)

Sample ID: 18B0026-41 Start Date/Time: 1/31/2018 11:10:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:11:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Bromomethane	ND	0.0074	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 15:54	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Chlorodibromomethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Chloromethane	ND	0.0074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2-Dibromoethane (EDB)	ND	0.00074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
trans-1,4-Dichloro-2-butene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,3-Dichloropropane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
cis-1,3-Dichloropropene	ND	0.00074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
trans-1,3-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Tetrahydrofuran	ND	0.0074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
Vinyl Chloride	ND	0.0074	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 15:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		2/5/18 15:54
Toluene-d8	104	70-130		2/5/18 15:54
4-Bromofluorobenzene	98.6	70-130		2/5/18 15:54

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:20	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Nitrobenzene-d5	58.5	30-130				2/8/18 9:20
2-Fluorobiphenyl	51.0	30-130				2/8/18 9:20
p-Terphenyl-d14	66.3	30-130				2/8/18 9:20

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		2/7/18 18:40
Decachlorobiphenyl [2]	97.7	30-150		2/7/18 18:40
Tetrachloro-m-xylene [1]	91.3	30-150		2/7/18 18:40
Tetrachloro-m-xylene [2]	94.9	30-150		2/7/18 18:40

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Project Location: 34 Hopmeadow St., Simsbury, CT | Sample Description: | Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 | Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil | Stop Date/Time: 1/31/2018 12:11:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 15:21	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	82.4	50-150				2/6/18 15:21	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42 Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:11:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Barium	25	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Chromium	7.5	0.33	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Lead	3.1	0.50	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Mercury	ND	0.025	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:07	EJB
Selenium	ND	3.3	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW
Silver	ND	0.33	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:24	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT
Sample Description:
Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-603B (2-4)

Sample ID: 18B0026-42
Start Date/Time: 1/31/2018 12:10:00PM

Sample Matrix: Soil
Stop Date/Time: 1/31/2018 12:11:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.075	0.068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Acrylonitrile	ND	0.0041	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Bromomethane	ND	0.0068	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 16:20	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Carbon Disulfide	ND	0.0041	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Chlorodibromomethane	ND	0.00068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Chloromethane	ND	0.0068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2-Dibromoethane (EDB)	ND	0.00068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,3-Dichloropropane	ND	0.00068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
2,2-Dichloropropane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
cis-1,3-Dichloropropene	ND	0.00068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
trans-1,3-Dichloropropene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Ethylbenzene	0.0016	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.00068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Tetrahydrofuran	ND	0.0068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
Vinyl Chloride	ND	0.0068	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
m+p Xylene	0.0062	0.0027	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF
o-Xylene	0.0023	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		2/5/18 16:20
Toluene-d8	103	70-130		2/5/18 16:20
4-Bromofluorobenzene	99.0	70-130		2/5/18 16:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 9:46	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Nitrobenzene-d5	53.3	30-130		2/8/18	9:46
2-Fluorobiphenyl	55.9	30-130		2/8/18	9:46
p-Terphenyl-d14	64.8	30-130		2/8/18	9:46

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 18:52	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.5	30-150		2/7/18 18:52
Decachlorobiphenyl [2]	101	30-150		2/7/18 18:52
Tetrachloro-m-xylene [1]	99.3	30-150		2/7/18 18:52
Tetrachloro-m-xylene [2]	103	30-150		2/7/18 18:52

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 15:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	87.2	50-150				2/6/18 15:39	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43 Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:21:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Barium	79	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Chromium	11	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Lead	4.0	0.51	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:09	EJB
Selenium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW
Silver	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:28	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT
Sample Description:
Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604A (0-2)

Sample ID: 18B0026-43
Start Date/Time: 1/31/2018 11:20:00AM

Sample Matrix: Soil
Stop Date/Time: 1/31/2018 11:21:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Acrylonitrile	ND	0.0045	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Bromomethane	ND	0.0075	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 16:46	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Carbon Disulfide	ND	0.0045	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Chlorodibromomethane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Chloromethane	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2-Dibromoethane (EDB)	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,3-Dichloropropane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
cis-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
trans-1,3-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.00075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Tetrahydrofuran	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
Vinyl Chloride	ND	0.0075	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 16:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		2/5/18 16:46
Toluene-d8	107	70-130		2/5/18 16:46
4-Bromofluorobenzene	98.5	70-130		2/5/18 16:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	58.1	30-130		2/8/18 10:11
2-Fluorobiphenyl	59.4	30-130		2/8/18 10:11
p-Terphenyl-d14	64.2	30-130		2/8/18 10:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		2/7/18 19:05
Decachlorobiphenyl [2]	95.7	30-150		2/7/18 19:05
Tetrachloro-m-xylene [1]	88.2	30-150		2/7/18 19:05
Tetrachloro-m-xylene [2]	91.9	30-150		2/7/18 19:05

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	14	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 15:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	86.1	50-150				2/6/18 15:57	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Barium	40	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Chromium	5.8	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Lead	3.0	0.52	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Mercury	ND	0.025	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:11	EJB
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:33	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-604B (2-4)

Sample ID: 18B0026-44 Start Date/Time: 1/31/2018 12:20:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:21:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 17:12	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Chlorodibromomethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
2,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
cis-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
trans-1,3-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		2/5/18 17:12
Toluene-d8	106	70-130		2/5/18 17:12
4-Bromofluorobenzene	101	70-130		2/5/18 17:12

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 10:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	59.6	30-130		2/8/18 10:36
2-Fluorobiphenyl	62.4	30-130		2/8/18 10:36
p-Terphenyl-d14	64.5	30-130		2/8/18 10:36

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.6	30-150		2/7/18 19:18
Decachlorobiphenyl [2]	102	30-150		2/7/18 19:18
Tetrachloro-m-xylene [1]	108	30-150		2/7/18 19:18
Tetrachloro-m-xylene [2]	112	30-150		2/7/18 19:18

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 16:15	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	88.9	50-150					2/6/18 16:15

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Barium	70	1.7	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Cadmium	ND	0.17	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Chromium	11	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Lead	3.8	0.51	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:12	EJB
Selenium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW
Silver	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 14:37	QNW

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605A (0-2)

Sample ID: 18B0026-45 Start Date/Time: 1/31/2018 11:30:00AM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 11:31:00AM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Acrylonitrile	ND	0.0050	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Bromomethane	ND	0.0083	mg/Kg dry	1	V-34	SW-846 8260C	2/2/18	2/5/18 17:39	MFF
2-Butanone (MEK)	ND	0.033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Carbon Disulfide	ND	0.0050	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Chlorodibromomethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Chloroform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Chloromethane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1-Dichloroethylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,3-Dichloropropane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
2,2-Dichloropropane	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
cis-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
trans-1,3-Dichloropropene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Tetrahydrofuran	ND	0.0083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
Vinyl Chloride	ND	0.0083	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	2/2/18	2/5/18 17:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.7	70-130		2/5/18 17:39
Toluene-d8	103	70-130		2/5/18 17:39
4-Bromofluorobenzene	96.1	70-130		2/5/18 17:39

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	2/3/18	2/8/18 11:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	54.8	30-130		2/8/18 11:01
2-Fluorobiphenyl	52.4	30-130		2/8/18 11:01
p-Terphenyl-d14	62.2	30-130		2/8/18 11:01

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	2/1/18	2/7/18 19:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		2/7/18 19:31
Decachlorobiphenyl [2]	103	30-150		2/7/18 19:31
Tetrachloro-m-xylene [1]	92.3	30-150		2/7/18 19:31
Tetrachloro-m-xylene [2]	96.2	30-150		2/7/18 19:31

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	2/3/18	2/6/18 16:33	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	87.2	50-150				2/6/18 16:33	

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Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Barium	31	1.8	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Cadmium	ND	0.18	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Chromium	8.0	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Lead	3.9	0.53	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	2/6/18	2/7/18 11:14	EJB
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010C-D	2/7/18	2/8/18 15:32	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 34 Hopmeadow St., Simsbury, CT Sample Description: Work Order: 18B0026

Date Received: 2/1/2018

Field Sample #: B-605B (2-4)

Sample ID: 18B0026-46 Start Date/Time: 1/31/2018 12:30:00PM

Sample Matrix: Soil Stop Date/Time: 1/31/2018 12:31:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	2/2/18	2/3/18 16:53	DMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-01 [B-608A (8-10)]	B196077	30.6	1.00	02/02/18
18B0026-02 [B-608B (10-12)]	B196077	30.6	1.00	02/02/18
18B0026-03 [B-608C (12-14)]	B196077	30.5	1.00	02/02/18
18B0026-07 [B-609A (8-10)]	B196077	30.4	1.00	02/02/18
18B0026-08 [B-609B (10-12)]	B196077	30.4	1.00	02/02/18
18B0026-09 [B-609C (12-14)]	B196077	30.7	1.00	02/02/18
18B0026-10 [B-613A (8-10)]	B196077	30.3	1.00	02/02/18
18B0026-11 [B-613B (10-12)]	B196077	30.0	1.00	02/02/18
18B0026-12 [B-613C (12-14)]	B196077	30.5	1.00	02/02/18
18B0026-16 [B-610A (8-10)]	B196077	30.5	1.00	02/02/18
18B0026-17 [B-610B (10-12)]	B196077	30.3	1.00	02/02/18
18B0026-18 [B-610C (12-14)]	B196077	30.2	1.00	02/02/18
18B0026-19 [B-615A (8-10)]	B196077	30.5	1.00	02/02/18
18B0026-20 [B615B (10-12)]	B196077	30.6	1.00	02/02/18
18B0026-21 [B-615C (12-14)]	B196077	30.7	1.00	02/02/18
18B0026-22 [B-617A (8-10)]	B196077	30.6	1.00	02/02/18
18B0026-23 [B-617B (10-12)]	B196077	30.6	1.00	02/02/18
18B0026-24 [B-617C (12-14)]	B196077	30.3	1.00	02/02/18
18B0026-25 [B-616A (8-10)]	B196077	30.5	1.00	02/02/18
18B0026-26 [B-616B (10-12)]	B196077	30.1	1.00	02/02/18

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-27 [B-616C (12-14)]	B196093	30.2	1.00	02/03/18
18B0026-28 [B-614A (8-10)]	B196093	30.2	1.00	02/03/18
18B0026-29 [B-614B (10-12)]	B196093	30.3	1.00	02/03/18
18B0026-30 [B-614C (12-14)]	B196093	30.1	1.00	02/03/18
18B0026-31 [B-606A (8-10)]	B196093	30.0	1.00	02/03/18
18B0026-32 [B-606B (10-12)]	B196093	30.5	1.00	02/03/18
18B0026-33 [B-601A (8-10)]	B196093	30.5	1.00	02/03/18
18B0026-34 [B-601B (10-12)]	B196093	30.0	1.00	02/03/18
18B0026-35 [B-607A (8-10)]	B196093	30.5	1.00	02/03/18
18B0026-36 [B-607B (10-12)]	B196093	30.5	1.00	02/03/18
18B0026-37 [DUP-1]	B196093	30.3	1.00	02/03/18
18B0026-39 [B-602A (0-2)]	B196093	30.5	1.00	02/03/18
18B0026-40 [B-602B (2-4)]	B196093	30.2	1.00	02/03/18
18B0026-41 [B-603A (0-2)]	B196093	30.5	1.00	02/03/18
18B0026-42 [B-603B (2-4)]	B196093	30.4	1.00	02/03/18
18B0026-43 [B-604A (0-2)]	B196093	30.6	1.00	02/03/18
18B0026-44 [B-604B (2-4)]	B196093	30.0	1.00	02/03/18
18B0026-45 [B-605A (0-2)]	B196093	30.2	1.00	02/03/18
18B0026-46 [B-605B (2-4)]	B196093	30.1	1.00	02/03/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18B0026-01 [B-608A (8-10)]	B196030	02/02/18
18B0026-02 [B-608B (10-12)]	B196030	02/02/18
18B0026-03 [B-608C (12-14)]	B196030	02/02/18
18B0026-07 [B-609A (8-10)]	B196030	02/02/18
18B0026-08 [B-609B (10-12)]	B196030	02/02/18
18B0026-09 [B-609C (12-14)]	B196030	02/02/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18B0026-10 [B-613A (8-10)]	B196030	02/02/18
18B0026-11 [B-613B (10-12)]	B196030	02/02/18
18B0026-12 [B-613C (12-14)]	B196030	02/02/18
18B0026-16 [B-610A (8-10)]	B196030	02/02/18
18B0026-17 [B-610B (10-12)]	B196030	02/02/18
18B0026-18 [B-610C (12-14)]	B196030	02/02/18
18B0026-19 [B-615A (8-10)]	B196030	02/02/18
18B0026-20 [B615B (10-12)]	B196030	02/02/18
18B0026-21 [B-615C (12-14)]	B196030	02/02/18
18B0026-22 [B-617A (8-10)]	B196030	02/02/18
18B0026-23 [B-617B (10-12)]	B196030	02/02/18
18B0026-24 [B-617C (12-14)]	B196030	02/02/18
18B0026-25 [B-616A (8-10)]	B196030	02/02/18
18B0026-26 [B-616B (10-12)]	B196030	02/02/18
18B0026-27 [B-616C (12-14)]	B196030	02/02/18
18B0026-28 [B-614A (8-10)]	B196030	02/02/18
18B0026-29 [B-614B (10-12)]	B196030	02/02/18
18B0026-30 [B-614C (12-14)]	B196030	02/02/18
18B0026-31 [B-606A (8-10)]	B196030	02/02/18
18B0026-32 [B-606B (10-12)]	B196030	02/02/18
18B0026-33 [B-601A (8-10)]	B196030	02/02/18
18B0026-34 [B-601B (10-12)]	B196030	02/02/18
18B0026-35 [B-607A (8-10)]	B196030	02/02/18
18B0026-36 [B-607B (10-12)]	B196030	02/02/18
18B0026-37 [DUP-1]	B196030	02/02/18
18B0026-39 [B-602A (0-2)]	B196030	02/02/18
18B0026-40 [B-602B (2-4)]	B196030	02/02/18
18B0026-41 [B-603A (0-2)]	B196030	02/02/18
18B0026-42 [B-603B (2-4)]	B196030	02/02/18
18B0026-43 [B-604A (0-2)]	B196030	02/02/18
18B0026-44 [B-604B (2-4)]	B196030	02/02/18
18B0026-45 [B-605A (0-2)]	B196030	02/02/18
18B0026-46 [B-605B (2-4)]	B196030	02/02/18

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-01 [B-608A (8-10)]	B196339	1.53	50.0	02/07/18
18B0026-02 [B-608B (10-12)]	B196339	1.51	50.0	02/07/18
18B0026-03 [B-608C (12-14)]	B196339	1.52	50.0	02/07/18
18B0026-39 [B-602A (0-2)]	B196339	1.52	50.0	02/07/18
18B0026-40 [B-602B (2-4)]	B196339	1.52	50.0	02/07/18
18B0026-41 [B-603A (0-2)]	B196339	1.57	50.0	02/07/18
18B0026-42 [B-603B (2-4)]	B196339	1.57	50.0	02/07/18
18B0026-43 [B-604A (0-2)]	B196339	1.52	50.0	02/07/18
18B0026-44 [B-604B (2-4)]	B196339	1.50	50.0	02/07/18
18B0026-45 [B-605A (0-2)]	B196339	1.52	50.0	02/07/18
18B0026-46 [B-605B (2-4)]	B196339	1.50	50.0	02/07/18

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-39 [B-602A (0-2)]	B196246	0.601	50.0	02/06/18

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Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-40 [B-602B (2-4)]	B196246	0.606	50.0	02/06/18
18B0026-41 [B-603A (0-2)]	B196246	0.590	50.0	02/06/18
18B0026-42 [B-603B (2-4)]	B196246	0.625	50.0	02/06/18
18B0026-43 [B-604A (0-2)]	B196246	0.583	50.0	02/06/18
18B0026-44 [B-604B (2-4)]	B196246	0.627	50.0	02/06/18
18B0026-45 [B-605A (0-2)]	B196246	0.598	50.0	02/06/18
18B0026-46 [B-605B (2-4)]	B196246	0.585	50.0	02/06/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-31 [B-606A (8-10)]	B196013	10.0	10.0	02/01/18
18B0026-32 [B-606B (10-12)]	B196013	10.0	10.0	02/01/18
18B0026-33 [B-601A (8-10)]	B196013	10.0	10.0	02/01/18
18B0026-34 [B-601B (10-12)]	B196013	10.0	10.0	02/01/18
18B0026-35 [B-607A (8-10)]	B196013	10.0	10.0	02/01/18
18B0026-36 [B-607B (10-12)]	B196013	10.0	10.0	02/01/18
18B0026-37 [DUP-1]	B196013	10.0	10.0	02/01/18
18B0026-39 [B-602A (0-2)]	B196013	10.0	10.0	02/01/18
18B0026-40 [B-602B (2-4)]	B196013	10.0	10.0	02/01/18
18B0026-41 [B-603A (0-2)]	B196013	10.0	10.0	02/01/18
18B0026-42 [B-603B (2-4)]	B196013	10.0	10.0	02/01/18
18B0026-43 [B-604A (0-2)]	B196013	10.0	10.0	02/01/18
18B0026-44 [B-604B (2-4)]	B196013	10.0	10.0	02/01/18
18B0026-45 [B-605A (0-2)]	B196013	10.0	10.0	02/01/18
18B0026-46 [B-605B (2-4)]	B196013	10.0	10.0	02/01/18

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-38 [Trip Blank-013118]	B196114	5.00	10.0	02/02/18
18B0026-39 [B-602A (0-2)]	B196114	6.96	10.0	02/02/18
18B0026-40 [B-602B (2-4)]	B196114	6.79	10.0	02/02/18
18B0026-41 [B-603A (0-2)]	B196114	6.82	10.0	02/02/18
18B0026-42 [B-603B (2-4)]	B196114	7.03	10.0	02/02/18
18B0026-43 [B-604A (0-2)]	B196114	7.71	10.0	02/02/18
18B0026-44 [B-604B (2-4)]	B196114	6.98	10.0	02/02/18
18B0026-45 [B-605A (0-2)]	B196114	7.26	10.0	02/02/18
18B0026-46 [B-605B (2-4)]	B196114	6.38	10.0	02/02/18

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-01 [B-608A (8-10)]	B196094	30.1	1.00	02/03/18
18B0026-02 [B-608B (10-12)]	B196094	30.0	1.00	02/03/18
18B0026-03 [B-608C (12-14)]	B196094	30.5	1.00	02/03/18
18B0026-39 [B-602A (0-2)]	B196094	30.5	1.00	02/03/18
18B0026-40 [B-602B (2-4)]	B196094	30.0	1.00	02/03/18
18B0026-41 [B-603A (0-2)]	B196094	30.4	1.00	02/03/18
18B0026-42 [B-603B (2-4)]	B196094	30.3	1.00	02/03/18
18B0026-43 [B-604A (0-2)]	B196094	30.4	1.00	02/03/18

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B0026-44 [B-604B (2-4)]	B196094	30.1	1.00	02/03/18
18B0026-45 [B-605A (0-2)]	B196094	30.3	1.00	02/03/18
18B0026-46 [B-605B (2-4)]	B196094	30.4	1.00	02/03/18

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196114 - SW-846 5035										
Blank (B196114-BLK1)				Prepared & Analyzed: 02/05/18						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B196114 - SW-846 5035											
Blank (B196114-BLK1)				Prepared & Analyzed: 02/05/18							
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet								
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0517*		mg/Kg wet	0.0500		103		70-130			
Surrogate: Toluene-d8	*0.0542*		mg/Kg wet	0.0500		108		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/Kg wet	0.0500		98.6		70-130			
LCS (B196114-BS1)				Prepared & Analyzed: 02/05/18							
Acetone	0.335	0.10	mg/Kg wet	0.200		**168**	*	70-130			L-01, V-20
Acrylonitrile	0.0168	0.0060	mg/Kg wet	0.0200		84.0		70-130			
Benzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5		70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.2		70-130			
Bromodichloromethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
Bromoform	0.0186	0.0020	mg/Kg wet	0.0200		92.9		70-130			
Bromomethane	0.0249	0.010	mg/Kg wet	0.0200		124		70-130			V-34
2-Butanone (MEK)	0.247	0.040	mg/Kg wet	0.200		123		70-130			
n-Butylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1		70-130			
sec-Butylbenzene	0.0154	0.0020	mg/Kg wet	0.0200		77.0		70-130			
tert-Butylbenzene	0.0152	0.0020	mg/Kg wet	0.0200		76.2		70-130			
Carbon Disulfide	0.208	0.0060	mg/Kg wet	0.200		104		70-130			
Carbon Tetrachloride	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
Chlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1		70-130			
Chlorodibromomethane	0.0221	0.0010	mg/Kg wet	0.0200		110		70-130			
Chloroethane	0.0218	0.020	mg/Kg wet	0.0200		109		70-130			
Chloroform	0.0228	0.0040	mg/Kg wet	0.0200		114		70-130			
Chloromethane	0.0221	0.010	mg/Kg wet	0.0200		111		70-130			
2-Chlorotoluene	0.0171	0.0020	mg/Kg wet	0.0200		85.3		70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.3		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0167	0.0020	mg/Kg wet	0.0200		83.4		70-130			
1,2-Dibromoethane (EDB)	0.0201	0.0010	mg/Kg wet	0.0200		101		70-130			
Dibromomethane	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130			
1,2-Dichlorobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.6		70-130			
1,3-Dichlorobenzene	0.0162	0.0020	mg/Kg wet	0.0200		81.1		70-130			
1,4-Dichlorobenzene	0.0160	0.0020	mg/Kg wet	0.0200		80.2		70-130			
trans-1,4-Dichloro-2-butene	0.0149	0.0040	mg/Kg wet	0.0200		74.3		70-130			
Dichlorodifluoromethane (Freon 12)	0.0199	0.020	mg/Kg wet	0.0200		99.5		70-130			
1,1-Dichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130			
1,2-Dichloroethane	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130			
1,1-Dichloroethylene	0.0230	0.0040	mg/Kg wet	0.0200		115		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B196114 - SW-846 5035											
LCS (B196114-BS1)				Prepared & Analyzed: 02/05/18							
cis-1,2-Dichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
trans-1,2-Dichloroethylene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130			
1,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		98.2		70-130			
1,3-Dichloropropane	0.0203	0.0010	mg/Kg wet	0.0200		101		70-130			
2,2-Dichloropropane	0.0170	0.0020	mg/Kg wet	0.0200		85.0		70-130			
1,1-Dichloropropene	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
cis-1,3-Dichloropropene	0.0196	0.0010	mg/Kg wet	0.0200		98.2		70-130			
trans-1,3-Dichloropropene	0.0181	0.0010	mg/Kg wet	0.0200		90.3		70-130			
Ethylbenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.9		70-130			
Hexachlorobutadiene	0.0168	0.0020	mg/Kg wet	0.0200		84.2		70-130			
2-Hexanone (MBK)	0.282	0.020	mg/Kg wet	0.200		**141**	*	70-130			L-01
Isopropylbenzene (Cumene)	0.0170	0.0020	mg/Kg wet	0.0200		84.9		70-130			
p-Isopropyltoluene (p-Cymene)	0.0156	0.0020	mg/Kg wet	0.0200		78.2		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.5		70-130			
Methylene Chloride	0.0223	0.020	mg/Kg wet	0.0200		112		70-130			
4-Methyl-2-pentanone (MIBK)	0.202	0.020	mg/Kg wet	0.200		101		70-130			
Naphthalene	0.0153	0.0040	mg/Kg wet	0.0200		76.7		70-130			
n-Propylbenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.5		70-130			
Styrene	0.0172	0.0020	mg/Kg wet	0.0200		85.8		70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		88.2		70-130			
1,1,2,2-Tetrachloroethane	0.0177	0.0010	mg/Kg wet	0.0200		88.3		70-130			
Tetrachloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130			
Tetrahydrofuran	0.0179	0.010	mg/Kg wet	0.0200		89.5		70-130			
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.7		70-130			
1,2,3-Trichlorobenzene	0.0146	0.0020	mg/Kg wet	0.0200		73.1		70-130			
1,2,4-Trichlorobenzene	0.0156	0.0020	mg/Kg wet	0.0200		77.9		70-130			
1,1,1-Trichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
Trichlorofluoromethane (Freon 11)	0.0247	0.010	mg/Kg wet	0.0200		124		70-130			
1,2,3-Trichloropropane	0.0176	0.0020	mg/Kg wet	0.0200		88.1		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0239	0.010	mg/Kg wet	0.0200		120		70-130			
1,2,4-Trimethylbenzene	0.0155	0.0020	mg/Kg wet	0.0200		77.5		70-130			
1,3,5-Trimethylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1		70-130			
Vinyl Chloride	0.0200	0.010	mg/Kg wet	0.0200		100		70-130			
m+p Xylene	0.0348	0.0040	mg/Kg wet	0.0400		87.0		70-130			
o-Xylene	0.0169	0.0020	mg/Kg wet	0.0200		84.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0591*		mg/Kg wet	0.0500		118		70-130			
Surrogate: Toluene-d8	*0.0515*		mg/Kg wet	0.0500		103		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0532*		mg/Kg wet	0.0500		106		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196094 - SW-846 3546										
Blank (B196094-BLK1)				Prepared: 02/03/18 Analyzed: 02/07/18						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.24*		mg/Kg wet	3.33		67.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.15*		mg/Kg wet	3.33		64.4	30-130			
Surrogate: p-Terphenyl-d14	*2.38*		mg/Kg wet	3.33		71.3	30-130			
LCS (B196094-BS1)				Prepared: 02/03/18 Analyzed: 02/07/18						
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140			
Acenaphthylene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140			
Anthracene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140			
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.3	40-140			
Benzo(g,h,i)perylene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Chrysene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140			
Dibenz(a,h)anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Fluoranthene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
Indeno(1,2,3-cd)pyrene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140			
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140			
Phenanthrene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Surrogate: Nitrobenzene-d5	*2.59*		mg/Kg wet	3.33		77.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.34*		mg/Kg wet	3.33		70.2	30-130			
Surrogate: p-Terphenyl-d14	*2.35*		mg/Kg wet	3.33		70.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196094 - SW-846 3546										
LCS Dup (B196094-BSD1)				Prepared: 02/03/18 Analyzed: 02/07/18						
Acenaphthene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140	0.836	30	
Acenaphthylene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140	1.84	30	
Anthracene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	2.81	30	
Benzo(a)anthracene	1.15	0.17	mg/Kg wet	1.67		68.9	40-140	0.963	30	
Benzo(a)pyrene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140	2.58	30	
Benzo(b)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140	1.26	30	
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140	4.58	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	1.75	30	
Chrysene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140	1.22	30	
Dibenz(a,h)anthracene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140	3.18	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	3.89	30	
Fluorene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	1.28	30	
Indeno(1,2,3-cd)pyrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	6.06	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	0.621	30	
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140	1.29	30	
Phenanthrene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140	2.99	30	
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	2.21	30	
Surrogate: Nitrobenzene-d5	*2.52*		mg/Kg wet	3.33		75.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.34*		mg/Kg wet	3.33		70.1	30-130			
Surrogate: p-Terphenyl-d14	*2.40*		mg/Kg wet	3.33		71.9	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196013 - SW-846 3540C										
Blank (B196013-BLK1)				Prepared: 02/01/18 Analyzed: 02/07/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.169*		mg/Kg wet	0.200		84.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.200		86.4	30-150			
LCS (B196013-BS1)				Prepared: 02/01/18 Analyzed: 02/07/18						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.3	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.8	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.181*		mg/Kg wet	0.200		90.6	30-150			
LCS Dup (B196013-BSD1)				Prepared: 02/01/18 Analyzed: 02/07/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.3	40-140	4.35	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140	6.14	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		82.5	40-140	5.69	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		79.6	40-140	6.15	30	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.169*		mg/Kg wet	0.200		84.7	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196077 - SW-846 3546										
Blank (B196077-BLK1)				Prepared: 02/02/18 Analyzed: 02/07/18						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.48*		mg/Kg wet	3.33		74.5	50-150			
LCS (B196077-BS1)				Prepared: 02/02/18 Analyzed: 02/07/18						
CT ETPH	22.4	10	mg/Kg wet	33.3		67.1	60-120			
Surrogate: o-Terphenyl	*2.49*		mg/Kg wet	3.33		74.8	50-150			
LCS Dup (B196077-BSD1)				Prepared: 02/02/18 Analyzed: 02/07/18						
CT ETPH	23.4	10	mg/Kg wet	33.3		70.3	60-120	4.60	30	
Surrogate: o-Terphenyl	*2.61*		mg/Kg wet	3.33		78.4	50-150			
Matrix Spike (B196077-MS1)	**Source: 18B0026-01**			Prepared: 02/02/18 Analyzed: 02/07/18						
CT ETPH	19.8	10	mg/Kg dry	34.7	2.28	50.3	50-150			
Surrogate: o-Terphenyl	*2.07*		mg/Kg dry	3.47		59.7	50-150			
Matrix Spike Dup (B196077-MSD1)	**Source: 18B0026-01**			Prepared: 02/02/18 Analyzed: 02/07/18						
CT ETPH	22.6	10	mg/Kg dry	34.2	2.28	59.5	50-150	13.6	30	
Surrogate: o-Terphenyl	*2.31*		mg/Kg dry	3.42		67.7	50-150			
Batch B196093 - SW-846 3546										
Blank (B196093-BLK1)				Prepared: 02/03/18 Analyzed: 02/06/18						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.88*		mg/Kg wet	3.33		86.3	50-150			
LCS (B196093-BS1)				Prepared: 02/03/18 Analyzed: 02/06/18						
CT ETPH	29.8	10	mg/Kg wet	33.3		89.5	60-120			
Surrogate: o-Terphenyl	*2.94*		mg/Kg wet	3.33		88.2	50-150			
LCS Dup (B196093-BSD1)				Prepared: 02/03/18 Analyzed: 02/06/18						
CT ETPH	28.4	10	mg/Kg wet	33.3		85.3	60-120	4.81	30	
Surrogate: o-Terphenyl	*3.02*		mg/Kg wet	3.33		90.5	50-150			
Matrix Spike (B196093-MS1)	**Source: 18B0026-27**			Prepared: 02/03/18 Analyzed: 02/06/18						
CT ETPH	31.2	10	mg/Kg dry	34.8	8.04	66.7	50-150			
Surrogate: o-Terphenyl	*3.27*		mg/Kg dry	3.48		94.2	50-150			
Matrix Spike Dup (B196093-MSD1)	**Source: 18B0026-27**			Prepared: 02/03/18 Analyzed: 02/06/18						
CT ETPH	30.3	10	mg/Kg dry	34.8	8.04	64.0	50-150	3.04	30	
Surrogate: o-Terphenyl	*3.29*		mg/Kg dry	3.48		94.6	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196246 - SW-846 7471										
Blank (B196246-BLK1)				Prepared: 02/06/18 Analyzed: 02/07/18						
Mercury	ND	0.025	mg/Kg wet							
LCS (B196246-BS1)				Prepared: 02/06/18 Analyzed: 02/07/18						
Mercury	9.69	1.9	mg/Kg wet	9.36		103	73.7-126.3			
LCS Dup (B196246-BSD1)				Prepared: 02/06/18 Analyzed: 02/07/18						
Mercury	9.61	1.9	mg/Kg wet	9.36		103	73.7-126.3	0.805	30	
Batch B196339 - SW-846 3050B										
Blank (B196339-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
LCS (B196339-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Arsenic	133	5.0	mg/Kg wet	147		90.4	83-117			
Barium	304	5.0	mg/Kg wet	314		96.9	82.2-117.8			
Cadmium	181	0.50	mg/Kg wet	193		93.7	82.4-117.6			
Chromium	77.6	1.0	mg/Kg wet	82.6		94.0	81.8-118.2			
Lead	84.9	1.5	mg/Kg wet	92.3		92.0	82.8-117			
Selenium	173	10	mg/Kg wet	187		92.2	79.1-121.4			
Silver	38.6	1.0	mg/Kg wet	40.7		94.8	79.6-120.4			
LCS Dup (B196339-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Arsenic	131	5.1	mg/Kg wet	147		88.9	83-117	1.70	30	
Barium	300	5.1	mg/Kg wet	314		95.4	82.2-117.8	1.57	30	
Cadmium	172	0.51	mg/Kg wet	193		89.1	82.4-117.6	5.06	30	
Chromium	76.4	1.0	mg/Kg wet	82.6		92.5	81.8-118.2	1.62	30	
Lead	83.0	1.5	mg/Kg wet	92.3		89.9	82.8-117	2.22	30	
Selenium	167	10	mg/Kg wet	187		89.5	79.1-121.4	2.99	30	
Silver	37.5	1.0	mg/Kg wet	40.7		92.2	79.6-120.4	2.75	30	
MRL Check (B196339-MRL1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Lead	0.595	0.50	mg/Kg wet	0.497		120	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196030 - % Solids										
Duplicate (B196030-DUP3)	**Source: 18B0026-01**			Prepared: 02/02/18 Analyzed: 02/03/18						
% Solids	95.7		% Wt		95.6			0.130	20	
Duplicate (B196030-DUP4)	**Source: 18B0026-10**			Prepared: 02/02/18 Analyzed: 02/03/18						
% Solids	94.3		% Wt		94.1			0.257	20	
Duplicate (B196030-DUP5)	**Source: 18B0026-20**			Prepared: 02/02/18 Analyzed: 02/03/18						
% Solids	95.6		% Wt		95.4			0.187	20	
Duplicate (B196030-DUP6)	**Source: 18B0026-30**			Prepared: 02/02/18 Analyzed: 02/03/18						
% Solids	93.5		% Wt		93.7			0.161	20	
Duplicate (B196030-DUP7)	**Source: 18B0026-40**			Prepared: 02/02/18 Analyzed: 02/03/18						
% Solids	95.0		% Wt		94.5			0.550	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B196013-BS1 Date(s) Analyzed: 02/07/2018 02/07/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B196013-BSD1 Date(s) Analyzed: 02/07/2018 02/07/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD 18B0026

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 5

Company Name:	Weston & Simpson
Address:	273 Dividend Road, Rocky Hill CT
Phone:	1-800-SIMPSON
Project Name:	Simsbury AWC
Project Location:	34 Hopmeadow Street, Simsbury CT
Project Number:	
Project Manager:	Zoe Belcher
Con-Test Quote Name/Number:	
Invoice Recipient:	Zoe Belcher
Sampled By:	Gabriella Pagliuca

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: 3rd 5-day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: wilsea@wsenc.com
CLP Like Data Pkg Required: ☐
Email To: belcherz@wsenc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	ETPH	PAH	Lead	Hold SPLP ETPH	Hold PAH	Hold Lead	Hold ETPH
1	B-608A (8-10)	1/31/18 0942	1/31/18 0943		X	S	U	1	I	A	X	X	X	X			
2	B-608B (10-12)	1/31/18 0944	1/31/18 0945					1	I	A	X	X	X	X			
3	B-608C (12-14)	1/31/18 0946	1/31/18 0947					1	I	A	X	X	X	X			
4	B-612A (8-10)	1/31/18 1000	1/31/18 1001					1	I	A				X	X	X	X
5	B-612B (10-12)	1/31/18 1002	1/31/18 1003					1	I	A				X	X	X	X
6	B-612C (12-14)	1/31/18 1004	1/31/18 1005					1	I	A				X	X	X	X
7	B-609A (8-10)	1/31/18 1012	1/31/18 1013					1	I	A	X			X	X	X	
8	B-609B (10-12)	1/31/18 1014	1/31/18 1015					1	I	A	X			X	X	X	
9	B-609C (12-14)	1/31/18 1016	1/31/18 1017					1	I	A	X			X	X	X	
10	B-613A (8-10)	1/31/18 1035	1/31/18 1036		↓	↓	↓	1	I	A	X						

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments:
Please do not run samples selected for hold. When results are received, samples may be reactivated

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 2-1-18 1513
Relinquished by: (signature)	Date/Time: 2-1-18 1640
Received by: (signature)	Date/Time: 2-8/23 2-1-18 16:40
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA PMC
RCP DEC I/C DEC
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

Dirtro Freezer 0A 2-1-19 @16:40

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD 18B0026

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

Company Name: Weston & Sampson
Address: 273 Dividend Road Rocky Hill CT
Phone: 1-800-SAMPSON
Project Name: Sims bay Avenue Hopmeadow Street MA
Project Location: 34 Hopmeadow Street, Simsbay AVE
Project Number:
Project Manager: Zoe Belcher
Con-Test Quote Name/Number:
Invoice Recipient: Zoe Belcher
Sampled By: Gabriella Pajuelo

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Willson@jewsinc.com
CLP Like Data Pkg Required: ☐
Email To: Belcher2@wsiinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPH	PAH	Lead	Hold SPLP EPH	Hold PAH	Hold Lead	Hold EPH				
11	B-613 B (10-12)	1/31/18 1040	1/31/18 1041		X	S	U	X			X	X	X					
12	B-613 C (12-14)	1/31/18 1042	1/31/18 1043					X										
13	B-611 A (8-10)	1/31/18 1054	1/31/18 1055								X	X	X	X				
14	B-611 B (10-12)	1/31/18 1056	1/31/18 1057								X	X	X	X				
15	B-611 C (12-14)	1/31/18 1058	1/31/18 1059								X	X	X	X				
16	B-610 A (8-10)	1/31/18 1106	1/31/18 1107					X			X	X	X					
17	B-610B (10-12)	1/31/18 1108	1/31/18 1109					X			X	X	X					
18	B-610 C (12-14)	1/31/18 1110	1/31/18 1111					X			X	X	X					
19	B-615A (8-10)	1/31/18 1136	1/31/18 1137					X										
20	B-615 B (10-12)	1/31/18 1138	1/31/18 1139		↓	↓	↓	X			X	X	X					

ANALYSIS REQUESTED

[2] # of Containers: 1 | # | A | | 1 | # | A | | 1 | # | A |
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

Comments:
Please do not run samples selected for hold analysis. When results are received, those samples may be requested for analysis.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time: 2-1-18 1513	
Relinquished by: (signature)	Date/Time: 2-1-18 1640	
Received by: (signature)	Date/Time: 2.8/2.3 2-1-18 16:40	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA:
CT: GA DMC
RCP DEC 1ICDEC
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Di H2O Frozen On 2-1-18 @ 16.40

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

18B0026

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 5

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill CT
Phone: 1-800-SAMPSON
Project Name: Simsbury AWC
Project Location: 34 Hopmeadow Street Simsbury CT
Project Number:
Project Manager: Zoe Belcher
Con-Test Quote Name/Number:
Invoice Recipient: Zoe Belcher
Sampled By: Gabriella Pajucha

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: willsonj@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: belcherz@wsinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code	ETPH	PFAS	HOLD SPLP ETPH	HOLD PAH	HOLD Lead
								1	1	1					
								I	I	I					
								A	A	A					
21	B-615C (12-14)	1/31/18 1140	1/31/18 1141		X	S	U				X				
22	B-617A (8-10)	1/31/18 1148	1/31/18 1149								X				
23	B-617B (10-12)	1/31/18 1150	1/31/18 1151								X		X	X	X
24	B-617C (12-14)	1/31/18 1152	1/31/18 1153								X				
25	B-616A (8-10)	1/31/18 1206	1/31/18 1207								X				
26	B-616B (10-12)	1/31/18 1208	1/31/18 1209								X		X	X	X
27	B-616C (12-14)	1/31/18 1210	1/31/18 1211								X				
28	B-614A (8-10)	1/31/18 1222	1/31/18 1223								X				
29	B-614B (10-12)	1/31/18 1224	1/31/18 1225								X		X	X	X
30	B-614C (12-14)	1/31/18 1226	1/31/18 1227		↓	↓	↓				X				

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
please do not run samples selected for hold. once results are received samples may be reactivated.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time: 2-1-18 1513
Relinquished by: (signature)		Date/Time: 2-1-18 1640
Received by: (signature)		Date/Time: 2-1-18 16:40
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT GA DMC
RCP DEL IHL DEL
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

D: H20 Frozen on 2-7-18 @ 16:40

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD 18B0026

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill, CT
Phone: 1-800 SAMPSON
Project Name: Simsbury AWC
Project Location: 24 Hopmeadow Street Simsbury CT
Project Number:
Project Manager: Zoe Belcher
Con-Test Quote Name/Number:
Invoice Recipient: Zoe Belcher
Sampled By: Camella Pallini & Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: willsonjo@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: belcherz@wsinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	ETPH	PCBs	PAHs	VOCs	8 Metals
31	B-606A (8-10)	1/31/18 1430	1/31/18 1431		X	S	U	X	X			
32	B-606B (10-12)	1/31/18 1432	1/31/18 1433					X	X			
33	B-601A (8-10)	1/31/18 1446	1/31/18 1447					X	X			
34	B-601B (10-12)	1/31/18 1448	1/31/18 1449					X	X			
35	B-607A (8-10)	1/31/18 1456	1/31/18 1459					X	X			
36	B-607B (10-12)	1/31/18 1500	1/31/18 1501					X	X			
37	DUP-1	01/31/18	01/31/18					X	X			
38	Trip Blank-013118	01/31/18	01/31/18								X	
39	B-602A (0-2)	1/31/18 1100	1/31/18 1101		X	S		X	X	X	X	X
40	B-602B (2-4)	1/31/18 1200	1/31/18 1201		X	S		X	X	X	X	X

ANALYSIS REQUESTED

| | | | | | | | |

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD 18B0026

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 5 of 5

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill CT
Phone: 1-800-SAMPSON
Project Name: Simsbury AMC
Project Location: 34 Hopmeadow Street Simsbury CT
Project Number:
Project Manager: Zoe Belcher
Con-Test Quote Name/Number:
Invoice Recipient: Zoe Belcher
Sampled By: Gabriella Pagliuca & Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: willson@wsiinc.com
CLP Like Data Pkg Required: ☐
Email To: belcherz@wsiinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	ETPH	PAHs	VOCs	2 Metals	PCBs	# of Containers
								[2]Preservation Code					
								[3]Container Code					
41	B-603A (0-2)	1/31/18 1110	1/31/18 1111		X	S	U	X	X	X	X	X	
42	B-603B (2-4)	1/31/18 1210	1/31/18 1211					X	X	X	X	X	
43	B-604A (0-2)	1/31/18 1120	1/31/18 1121					X	X	X	X	X	
44	B-604B (2-4)	1/31/18 1220	1/31/18 1221					X	X	X	X	X	
45	B-605A (0-2)	1/31/18 1130	1/31/18 1131					X	X	X	X	X	
46	B-605B (2-4)	1/31/18 1230	1/31/18 1231					X	X	X	X	X	

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 2-1-18 1513	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 2-1-18 1640		☐ MCP Certification Form Required
Received by: (signature)	Date/Time:	CT GA PMC	☒ CT RCP Required
Relinquished by: (signature)	Date/Time:	RES DEC I/C DEC	☐ RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ MA State DW Required
		Other:	PWSID #

Di H2O frozen on 2-1-18 @ 16:40

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston and Sampson

Received By ESD Date 2-1-18 Time 10.40

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 537 Actual Temp - 2.8/2.3 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	2 8
HCL-	9	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	17
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	18	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

DI H2O frozen on 2-1-18 @ 6.40

D:\HPCHEM\1\DATA\A020618.SEC\A0206007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/6/18
Data File Name	A0206007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	685998	722403	-5
c - 10	1.61	696271	722403	-4
c - 12	2.33	705229	722403	-2
c - 14	2.99	721096	722403	0
c - 16	3.59	736769	722403	2
c - 18	4.19	742278	722403	3
o-Terphenyl	4.47	806954	722403	
c - 20	4.79	748594	722403	4
c - 22	5.30	749791	722403	4
c - 24	5.73	743577	722403	3
c - 26	6.13	736169	722403	2
c - 28	6.48	733278	722403	2
c - 30	6.82	734911	722403	2
c - 32	7.13	708315	722403	-2
c - 34	7.42	699015	722403	-3
c - 36	7.72	694754	722403	-4

* One compound allowed %D </= 50%

Samples
18B0026-36
18B0026-39
18B0026-40
18B0026-42
18B0026-43
18B0026-44
18B0026-45
18B0026-46
18B0026-41@20X

D:\HPCHEM\1\DATA\A020618\A0206006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/6/18
Data File Name	A0206006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	544402	565424	-4
c - 10	1.61	555645	565424	-2
c - 12	2.34	563071	565424	0
c - 14	3.01	569920	565424	1
c - 16	3.61	575281	565424	2
c - 18	4.23	574400	565424	2
o-Terphenyl	4.51	621355	565424	
c - 20	4.84	574581	565424	2
c - 22	5.34	573699	565424	1
c - 24	5.78	569093	565424	1
c - 26	6.18	565855	565424	0
c - 28	6.54	568898	565424	1
c - 30	6.87	576502	565424	2
c - 32	7.19	559763	565424	-1
c - 34	7.48	555986	565424	-2
c - 36	7.80	554265	565424	-2

* One compound allowed %D </= 50%

Samples
18B0026-27
18B0026-29
18B0026-30
18B0026-32
18B0026-33
18B0026-35
18B0030-01@5X
18B0026-28@20X
18B0026-31@20X
18B0026-34@20X
18B0026-37@20X

D:\HPCHEM\1\DATA\A020518\A0205020.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/5/18
Data File Name	A0205020.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	460683	473954	-3
c - 10	1.61	469937	473954	-1
c - 12	2.33	472995	473954	0
c - 14	3.01	476951	473954	1
c - 16	3.61	481720	473954	2
c - 18	4.23	481760	473954	2
o-Terphenyl	4.51	524027	473954	
c - 20	4.84	482839	473954	2
c - 22	5.34	481045	473954	1
c - 24	5.78	476471	473954	1
c - 26	6.18	473406	473954	0
c - 28	6.54	475940	473954	0
c - 30	6.87	483965	473954	2
c - 32	7.19	471227	473954	-1
c - 34	7.48	464310	473954	-2
c - 36	7.80	456064	473954	-4

* One compound allowed %D </= 50%

Samples
18B0026-26@10X

D:\HPCHEM\1\DATA\A020718.SEC\A0207007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/7/18
Data File Name	A0207007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	637774	661813	-4
c - 10	1.61	646307	661813	-2
c - 12	2.32	650958	661813	-2
c - 14	2.99	657712	661813	-1
c - 16	3.58	677298	661813	2
c - 18	4.18	679487	661813	3
o-Terphenyl	4.47	738357	661813	
c - 20	4.79	684137	661813	3
c - 22	5.29	685694	661813	4
c - 24	5.73	679655	661813	3
c - 26	6.12	672268	661813	2
c - 28	6.48	670746	661813	1
c - 30	6.81	671916	661813	2
c - 32	7.12	646250	661813	-2
c - 34	7.41	638061	661813	-4
c - 36	7.72	628935	661813	-5

* One compound allowed %D </= 50%

Samples
18B0026-01
18B0026-02
18B0026-07
18B0026-08
18B0026-10
18B0026-09
18B0026-25

D:\HPCHEM\1\DATA\A020718\A0207006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/7/18
Data File Name	A0207006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	539210	562969	-4
c - 10	1.61	550322	562969	-2
c - 12	2.34	559033	562969	-1
c - 14	3.01	567831	562969	1
c - 16	3.61	573917	562969	2
c - 18	4.23	573827	562969	2
o-Terphenyl	4.51	621829	562969	
c - 20	4.83	575622	562969	2
c - 22	5.34	574951	562969	2
c - 24	5.78	569336	562969	1
c - 26	6.18	564846	562969	0
c - 28	6.54	566325	562969	1
c - 30	6.87	572698	562969	2
c - 32	7.18	556355	562969	-1
c - 34	7.48	551390	562969	-2
c - 36	7.80	548869	562969	-3

* One compound allowed %D </= 50%

Samples
18B0026-11
18B0026-17
18B0026-21
18B0026-23
18B0026-03
18B0026-19

D:\HPCHEM\1\DATA\A020818\A0208006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/8/18
Data File Name	A0208006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	538960	556877	-3
c - 10	1.61	547321	556877	-2
c - 12	2.34	553901	556877	-1
c - 14	3.01	560803	556877	1
c - 16	3.61	567786	556877	2
c - 18	4.23	568210	556877	2
o-Terphenyl	4.51	615790	556877	
c - 20	4.83	570446	556877	2
c - 22	5.34	569852	556877	2
c - 24	5.78	563610	556877	1
c - 26	6.18	559548	556877	0
c - 28	6.54	560078	556877	1
c - 30	6.87	564808	556877	1
c - 32	7.18	547365	556877	-2
c - 34	7.48	542497	556877	-3
c - 36	7.80	537965	556877	-3

* One compound allowed %D </= 50%

Samples
18B0026-12@50X
18B0026-16@10X
18B0026-18@5X
18B0026-20@5X
18B0026-22@10X
18B0026-24@10X

D:\HPCHEM\1\DATA\020818.SEC\A0208007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/8/18
Data File Name	A0208007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	630790	657027	-4
c - 10	1.61	638773	657027	-3
c - 12	2.32	643887	657027	-2
c - 14	2.99	656579	657027	0
c - 16	3.59	669378	657027	2
c - 18	4.19	673388	657027	2
o-Terphenyl	4.47	733097	657027	
c - 20	4.79	679543	657027	3
c - 22	5.30	681544	657027	4
c - 24	5.73	676187	657027	3
c - 26	6.12	669115	657027	2
c - 28	6.48	666667	657027	1
c - 30	6.81	667805	657027	2
c - 32	7.12	643600	657027	-2
c - 34	7.42	635052	657027	-3
c - 36	7.72	623091	657027	-5

* One compound allowed %D </= 50%

Samples
18B0035-01
18B0035-02
18B0035-03

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 34 Hopmeadow St., Simsbury, CT

Project Number: 18B0026

Laboratory Sample ID(s):

18B0026-01 thru 18B0026-46

Sample Date(s):

01/31/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **02/08/18**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

Appendix C

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 4, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18C1119

Enclosed are results of analyses for samples received by the laboratory on March 28, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1119

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18C1119-01	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA2	18C1119-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA3	18C1119-03	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA4	18C1119-04	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-310	18C1119-05	Ground Water		CTDEP ETPH	
MW-202	18C1119-06	Ground Water		CTDEP ETPH	
MW-203	18C1119-07	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-201	18C1119-08	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-2A	18C1119-09	Ground Water		CTDEP ETPH	
				SW-846 8260C	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1119

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Dup-1	18C1119-10	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was reqested and reported.

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B199754-BSD1

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
Naphthalene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
trans-1,4-Dichloro-2-butene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
Naphthalene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
trans-1,4-Dichloro-2-butene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B199871-BS1

Dichlorodifluoromethane (Freon 1
B199871-BS1

SW-846 8270D

Qualifications:

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1]

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V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3-Nitroaniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

4-Chloroaniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

Aniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.2	70-130		3/31/18 11:10
Toluene-d8	98.2	70-130		3/31/18 11:10
4-Bromofluorobenzene	94.1	70-130		3/31/18 11:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(b)fluoranthene (SIM)	0.098	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.3	15-110		3/31/18 15:23
2-Fluorophenol	50.6	15-110		3/31/18 9:15
Phenol-d6	39.0	15-110		3/31/18 9:15
Phenol-d6	31.9	15-110		3/31/18 15:23
Nitrobenzene-d5	82.0	30-130		3/31/18 9:15
Nitrobenzene-d5	72.8	30-130		3/31/18 15:23
2-Fluorobiphenyl	75.4	30-130		3/31/18 9:15
2-Fluorobiphenyl	73.7	30-130		3/31/18 15:23
2,4,6-Tribromophenol	85.4	15-110		3/31/18 9:15
2,4,6-Tribromophenol	72.6	15-110		3/31/18 15:23
p-Terphenyl-d14	68.4	30-130		3/31/18 9:15
p-Terphenyl-d14	90.4	30-130		3/31/18 15:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.7	30-150		3/30/18 18:14
Decachlorobiphenyl [2]	73.4	30-150		3/30/18 18:14
Tetrachloro-m-xylene [1]	68.8	30-150		3/30/18 18:14
Tetrachloro-m-xylene [2]	73.4	30-150		3/30/18 18:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.083	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 23:21	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	85.6	50-150				3/29/18 23:21	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:30	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.7	70-130		3/31/18 11:40
Toluene-d8	98.4	70-130		3/31/18 11:40
4-Bromofluorobenzene	93.2	70-130		3/31/18 11:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		3/30/18 15:23
Decachlorobiphenyl [2]	78.0	30-150		3/30/18 15:23
Tetrachloro-m-xylene [1]	81.0	30-150		3/30/18 15:23
Tetrachloro-m-xylene [2]	81.6	30-150		3/30/18 15:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 20:23	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.2	50-150				3/29/18 20:23	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
3,3-Dichlorobenzidine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pentachlorophenol (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.3	15-110		3/31/18 9:44
2-Fluorophenol	39.0	15-110		3/31/18 15:49
Phenol-d6	30.9	15-110		3/31/18 9:44
Phenol-d6	25.5	15-110		3/31/18 15:49
Nitrobenzene-d5	76.9	30-130		3/31/18 9:44
Nitrobenzene-d5	61.1	30-130		3/31/18 15:49
2-Fluorobiphenyl	70.1	30-130		3/31/18 9:44
2-Fluorobiphenyl	62.2	30-130		3/31/18 15:49
2,4,6-Tribromophenol	85.0	15-110		3/31/18 9:44
2,4,6-Tribromophenol	61.9	15-110		3/31/18 15:49
p-Terphenyl-d14	76.9	30-130		3/31/18 15:49
p-Terphenyl-d14	64.5	30-130		3/31/18 9:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 20:41	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	92.9	50-150				3/29/18 20:41	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Barium	130	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:31	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.1	70-130		3/31/18 12:11
Toluene-d8	98.2	70-130		3/31/18 12:11
4-Bromofluorobenzene	94.0	70-130		3/31/18 12:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3-Nitroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pentachlorophenol (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.1	15-110		3/31/18 16:14
2-Fluorophenol	44.9	15-110		3/31/18 10:12
Phenol-d6	27.3	15-110		3/31/18 16:14
Phenol-d6	34.4	15-110		3/31/18 10:12
Nitrobenzene-d5	65.7	30-130		3/31/18 16:14
Nitrobenzene-d5	81.9	30-130		3/31/18 10:12
2-Fluorobiphenyl	67.4	30-130		3/31/18 16:14
2-Fluorobiphenyl	76.5	30-130		3/31/18 10:12
2,4,6-Tribromophenol	68.6	15-110		3/31/18 16:14
2,4,6-Tribromophenol	95.7	15-110		3/31/18 10:12
p-Terphenyl-d14	83.1	30-130		3/31/18 16:14
p-Terphenyl-d14	69.9	30-130		3/31/18 10:12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	44.0	30-150		3/30/18 15:36
Decachlorobiphenyl [2]	42.0	30-150		3/30/18 15:36
Tetrachloro-m-xylene [1]	75.7	30-150		3/30/18 15:36
Tetrachloro-m-xylene [2]	76.5	30-150		3/30/18 15:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 23:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	91.8	50-150				3/29/18 23:39	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:33	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-310 | Sampled: 3/28/2018 12:55

Sample ID: 18C1119-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.2	0.38	mg/L	5		CTDEP ETPH	3/28/18	3/30/18 18:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.7	50-150				3/30/18 18:38	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-202 | Sampled: 3/28/2018 13:45

Sample ID: 18C1119-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.30	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 1:09	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	84.6	50-150		3/30/18 1:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-203 | Sampled: 3/28/2018 14:20

Sample ID: 18C1119-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	39.9	30-150		3/30/18 15:48
Decachlorobiphenyl [2]	38.3	30-150		3/30/18 15:48
Tetrachloro-m-xylene [1]	76.7	30-150		3/30/18 15:48
Tetrachloro-m-xylene [2]	77.9	30-150		3/30/18 15:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-203 | Sampled: 3/28/2018 14:20

Sample ID: 18C1119-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.22	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 1:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	81.3	50-150				3/30/18 1:27	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		3/31/18 12:42
Toluene-d8	96.2	70-130		3/31/18 12:42
4-Bromofluorobenzene	93.0	70-130		3/31/18 12:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.6	30-150		3/30/18 16:01
Decachlorobiphenyl [2]	67.4	30-150		3/30/18 16:01
Tetrachloro-m-xylene [1]	79.7	30-150		3/30/18 16:01
Tetrachloro-m-xylene [2]	81.1	30-150		3/30/18 16:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.21	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 23:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	77.7	50-150				3/29/18 23:57	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		3/31/18 13:13
Toluene-d8	96.2	70-130		3/31/18 13:13
4-Bromofluorobenzene	93.0	70-130		3/31/18 13:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.38	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 3:15	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	104	50-150				3/30/18 3:15	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Naphthalene	ND	2.0	µg/L	1	V-05, L-03	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.6	70-130		3/31/18 13:44
Toluene-d8	98.9	70-130		3/31/18 13:44
4-Bromofluorobenzene	93.9	70-130		3/31/18 13:44

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
3-Nitroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pentachlorophenol (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.6	15-110		3/31/18 10:41
2-Fluorophenol	38.0	15-110		3/31/18 16:39
Phenol-d6	25.1	15-110		3/31/18 16:39
Phenol-d6	31.4	15-110		3/31/18 10:41
Nitrobenzene-d5	59.4	30-130		3/31/18 16:39
Nitrobenzene-d5	73.3	30-130		3/31/18 10:41
2-Fluorobiphenyl	61.0	30-130		3/31/18 16:39
2-Fluorobiphenyl	67.0	30-130		3/31/18 10:41
2,4,6-Tribromophenol	59.6	15-110		3/31/18 16:39
2,4,6-Tribromophenol	81.6	15-110		3/31/18 10:41
p-Terphenyl-d14	74.6	30-130		3/31/18 16:39
p-Terphenyl-d14	60.0	30-130		3/31/18 10:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.3	30-150		3/30/18 16:14
Decachlorobiphenyl [2]	73.4	30-150		3/30/18 16:14
Tetrachloro-m-xylene [1]	79.2	30-150		3/30/18 16:14
Tetrachloro-m-xylene [2]	80.9	30-150		3/30/18 16:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.078	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 18:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	80.2	50-150				3/30/18 18:18	

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Project Location: Simsbury, CT
Sample Description:
Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1
Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 11:08	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:39	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199754	900	1.00	03/28/18
18C1119-02 [MW-CCA2]	B199754	1000	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199754	1000	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199754	1000	1.00	03/28/18
18C1119-05 [MW-310]	B199754	1000	1.00	03/28/18
18C1119-06 [MW-202]	B199754	1000	1.00	03/28/18
18C1119-07 [MW-203]	B199754	1000	1.00	03/28/18
18C1119-08 [MW-201]	B199754	1000	1.00	03/28/18
18C1119-09 [MW-2A]	B199754	1000	1.00	03/28/18
18C1119-10 [Dup-1]	B199754	1000	1.00	03/28/18

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199875	50.0	50.0	03/30/18
18C1119-03 [MW-CCA3]	B199875	50.0	50.0	03/30/18
18C1119-04 [MW-CCA4]	B199875	50.0	50.0	03/30/18
18C1119-10 [Dup-1]	B199875	50.0	50.0	03/30/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199759	50.0	50.0	03/28/18
18C1119-03 [MW-CCA3]	B199759	50.0	50.0	03/28/18
18C1119-04 [MW-CCA4]	B199759	50.0	50.0	03/28/18
18C1119-10 [Dup-1]	B199759	50.0	50.0	03/28/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199898	6.00	6.00	03/30/18
18C1119-03 [MW-CCA3]	B199898	6.00	6.00	03/30/18
18C1119-04 [MW-CCA4]	B199898	6.00	6.00	03/30/18
18C1119-10 [Dup-1]	B199898	6.00	6.00	03/30/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199802	1000	10.0	03/29/18
18C1119-02 [MW-CCA2]	B199802	1000	10.0	03/29/18
18C1119-04 [MW-CCA4]	B199802	1000	10.0	03/29/18
18C1119-07 [MW-203]	B199802	1000	10.0	03/29/18
18C1119-08 [MW-201]	B199802	1000	10.0	03/29/18
18C1119-10 [Dup-1]	B199802	1000	10.0	03/29/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199871	5	5.00	03/30/18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-02 [MW-CCA2]	B199871	5	5.00	03/30/18
18C1119-04 [MW-CCA4]	B199871	5	5.00	03/30/18
18C1119-08 [MW-201]	B199871	5	5.00	03/30/18
18C1119-09 [MW-2A]	B199871	5	5.00	03/30/18
18C1119-10 [Dup-1]	B199871	5	5.00	03/30/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199662	990	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199662	1040	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199662	1030	1.00	03/28/18
18C1119-10 [Dup-1]	B199662	1030	1.00	03/28/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199819	990	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199819	1040	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199819	1030	1.00	03/28/18
18C1119-10 [Dup-1]	B199819	1030	1.00	03/28/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18C1119-01 [MW-16]	B199876	1.00	03/30/18
18C1119-03 [MW-CCA3]	B199876	1.00	03/30/18
18C1119-04 [MW-CCA4]	B199876	1.00	03/30/18
18C1119-10 [Dup-1]	B199876	1.00	03/30/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199871 - SW-846 5030B										
Blank (B199871-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L							L-03, V-05
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							L-03, V-05
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	1.0	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199871 - SW-846 5030B										
Blank (B199871-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	1.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.8	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.5	70-130			
LCS (B199871-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18						
Acetone	91.3	10	µg/L	100		91.3	70-130			
Acrylonitrile	10.1	2.0	µg/L	10.0		101	70-130			
Benzene	9.40	0.50	µg/L	10.0		94.0	70-130			
Bromobenzene	9.49	0.50	µg/L	10.0		94.9	70-130			
Bromodichloromethane	9.17	0.50	µg/L	10.0		91.7	70-130			
Bromoform	7.94	2.0	µg/L	10.0		79.4	70-130			
Bromomethane	8.42	1.0	µg/L	10.0		84.2	70-130			V-34
2-Butanone (MEK)	97.8	5.0	µg/L	100		97.8	70-130			
n-Butylbenzene	9.23	1.0	µg/L	10.0		92.3	70-130			
sec-Butylbenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
tert-Butylbenzene	9.60	1.0	µg/L	10.0		96.0	70-130			
Carbon Disulfide	93.2	5.0	µg/L	100		93.2	70-130			
Carbon Tetrachloride	9.08	0.50	µg/L	10.0		90.8	70-130			
Chlorobenzene	9.61	0.50	µg/L	10.0		96.1	70-130			
Chlorodibromomethane	8.99	0.50	µg/L	10.0		89.9	70-130			
Chloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroform	8.88	0.50	µg/L	10.0		88.8	70-130			
Chloromethane	10.0	0.60	µg/L	10.0		100	70-130			
2-Chlorotoluene	9.62	0.50	µg/L	10.0		96.2	70-130			
4-Chlorotoluene	9.73	0.50	µg/L	10.0		97.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.74	2.0	µg/L	10.0		77.4	70-130			
1,2-Dibromoethane (EDB)	9.84	0.50	µg/L	10.0		98.4	70-130			
Dibromomethane	9.39	0.50	µg/L	10.0		93.9	70-130			
1,2-Dichlorobenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
1,3-Dichlorobenzene	9.80	0.50	µg/L	10.0		98.0	70-130			
1,4-Dichlorobenzene	9.59	0.50	µg/L	10.0		95.9	70-130			
trans-1,4-Dichloro-2-butene	6.74	5.0	µg/L	10.0		**67.4**	* 70-130			L-03, V-05
Dichlorodifluoromethane (Freon 12)	9.44	0.50	µg/L	10.0		94.4	70-130			V-34
1,1-Dichloroethane	9.73	0.50	µg/L	10.0		97.3	70-130			
1,2-Dichloroethane	9.26	0.50	µg/L	10.0		92.6	70-130			
1,1-Dichloroethylene	9.38	0.50	µg/L	10.0		93.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199871 - SW-846 5030B											
LCS (B199871-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18							
cis-1,2-Dichloroethylene	9.15	0.50	µg/L	10.0		91.5		70-130			
trans-1,2-Dichloroethylene	9.84	1.0	µg/L	10.0		98.4		70-130			
1,2-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130			
1,3-Dichloropropane	10.0	0.50	µg/L	10.0		100		70-130			
2,2-Dichloropropane	6.14	0.50	µg/L	10.0		**61.4**	*	70-130			L-03, V-05
1,1-Dichloropropene	9.63	0.50	µg/L	10.0		96.3		70-130			
cis-1,3-Dichloropropene	9.19	0.50	µg/L	10.0		91.9		70-130			
trans-1,3-Dichloropropene	8.56	1.0	µg/L	10.0		85.6		70-130			
Ethylbenzene	9.86	0.50	µg/L	10.0		98.6		70-130			
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130			
2-Hexanone (MBK)	103	5.0	µg/L	100		103		70-130			
Isopropylbenzene (Cumene)	9.55	0.50	µg/L	10.0		95.5		70-130			
p-Isopropyltoluene (p-Cymene)	9.38	0.50	µg/L	10.0		93.8		70-130			
Methyl tert-Butyl Ether (MTBE)	8.86	0.50	µg/L	10.0		88.6		70-130			
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2		70-130			
4-Methyl-2-pentanone (MIBK)	104	5.0	µg/L	100		104		70-130			
Naphthalene	6.82	2.0	µg/L	10.0		**68.2**	*	70-130			L-03, V-05
n-Propylbenzene	9.33	1.0	µg/L	10.0		93.3		70-130			
Styrene	10.0	1.0	µg/L	10.0		100		70-130			
1,1,1,2-Tetrachloroethane	9.60	0.50	µg/L	10.0		96.0		70-130			
1,1,2,2-Tetrachloroethane	9.58	0.50	µg/L	10.0		95.8		70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130			
Tetrahydrofuran	9.92	10	µg/L	10.0		99.2		70-130			
Toluene	10.0	1.0	µg/L	10.0		100		70-130			
1,2,3-Trichlorobenzene	8.15	2.0	µg/L	10.0		81.5		70-130			
1,2,4-Trichlorobenzene	8.36	2.0	µg/L	10.0		83.6		70-130			
1,1,1-Trichloroethane	9.17	0.50	µg/L	10.0		91.7		70-130			
1,1,2-Trichloroethane	9.99	0.50	µg/L	10.0		99.9		70-130			
Trichloroethylene	9.74	1.0	µg/L	10.0		97.4		70-130			
Trichlorofluoromethane (Freon 11)	9.02	2.0	µg/L	10.0		90.2		70-130			
1,2,3-Trichloropropane	9.24	1.0	µg/L	10.0		92.4		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.31	0.50	µg/L	10.0		93.1		70-130			
1,2,4-Trimethylbenzene	9.79	0.50	µg/L	10.0		97.9		70-130			
1,3,5-Trimethylbenzene	9.64	0.50	µg/L	10.0		96.4		70-130			
Vinyl Chloride	10.2	1.0	µg/L	10.0		102		70-130			
m+p Xylene	19.5	2.0	µg/L	20.0		97.4		70-130			
o-Xylene	9.74	1.0	µg/L	10.0		97.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.5*		µg/L	25.0		86.0		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130			
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.1		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199662 - SW-846 3510C										
Blank (B199662-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18						
Aniline	ND	5.0	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-19
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							V-34
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*84.4*		µg/L	200		42.2	15-110			
Surrogate: Phenol-d6	*55.8*		µg/L	200		27.9	15-110			
Surrogate: Nitrobenzene-d5	*73.2*		µg/L	100		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	*75.4*		µg/L	100		75.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*152*		µg/L	200		76.2	15-110			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199662 - SW-846 3510C											
Blank (B199662-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Surrogate: p-Terphenyl-d14	*93.6*		µg/L	100		93.6	30-130				
LCS (B199662-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Aniline	39.8	5.0	µg/L	50.0		79.7	40-140			V-34	†
Bis(2-chloroethoxy)methane	47.0	10	µg/L	50.0		94.0	40-140				
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.5	40-140				
Bis(2-chloroisopropyl)ether	43.2	10	µg/L	50.0		86.4	40-140				
Bis(2-Ethylhexyl)phthalate	42.7	10	µg/L	50.0		85.5	40-140				
4-Bromophenylphenylether	42.3	10	µg/L	50.0		84.7	40-140				
Butylbenzylphthalate	44.4	10	µg/L	50.0		88.9	40-140				
Carbazole	42.0	10	µg/L	50.0		84.0	40-140				
4-Chloroaniline	41.6	10	µg/L	50.0		83.2	40-140			V-34	†
4-Chloro-3-methylphenol	41.9	10	µg/L	50.0		83.8	30-130				
2-Chloronaphthalene	35.7	10	µg/L	50.0		71.3	40-140				
2-Chlorophenol	37.1	10	µg/L	50.0		74.1	30-130				
4-Chlorophenylphenylether	42.4	10	µg/L	50.0		84.9	40-140				
Dibenzofuran	42.8	5.0	µg/L	50.0		85.5	40-140				
Di-n-butylphthalate	42.0	10	µg/L	50.0		84.0	40-140				
3,3-Dichlorobenzidine	46.9	10	µg/L	50.0		93.8	40-140				†
2,4-Dichlorophenol	40.2	10	µg/L	50.0		80.5	30-130				
Diethylphthalate	42.1	10	µg/L	50.0		84.2	40-140				
2,4-Dimethylphenol	41.3	10	µg/L	50.0		82.7	30-130				
Dimethylphthalate	42.9	10	µg/L	50.0		85.7	40-140				
4,6-Dinitro-2-methylphenol	35.6	10	µg/L	50.0		71.2	30-130				
2,4-Dinitrophenol	34.1	10	µg/L	50.0		68.2	30-130			V-19	
2,4-Dinitrotoluene	41.1	10	µg/L	50.0		82.1	40-140				
2,6-Dinitrotoluene	42.7	10	µg/L	50.0		85.3	40-140				
Di-n-octylphthalate	38.6	10	µg/L	50.0		77.2	40-140				
Hexachlorobenzene	41.3	10	µg/L	50.0		82.6	40-140				
Hexachlorobutadiene	37.9	10	µg/L	50.0		75.7	40-140				
Hexachlorocyclopentadiene	34.8	10	µg/L	50.0		69.7	30-140				
Hexachloroethane	35.8	10	µg/L	50.0		71.6	40-140				
Isophorone	43.2	10	µg/L	50.0		86.5	40-140				
2-Methylphenol	32.2	10	µg/L	50.0		64.4	30-130				
3/4-Methylphenol	34.0	10	µg/L	50.0		67.9	30-130				
2-Nitroaniline	41.9	10	µg/L	50.0		83.9	40-140				
3-Nitroaniline	44.1	10	µg/L	50.0		88.3	40-140			V-34	†
4-Nitroaniline	44.0	10	µg/L	50.0		87.9	40-140				
Nitrobenzene	38.4	10	µg/L	50.0		76.7	40-140				
2-Nitrophenol	38.8	10	µg/L	50.0		77.6	30-130				
4-Nitrophenol	20.8	10	µg/L	50.0		41.7	10-130				
N-Nitrosodiphenylamine	52.0	10	µg/L	50.0		104	40-140				
N-Nitrosodi-n-propylamine	40.8	10	µg/L	50.0		81.6	40-140				
Pentachloronitrobenzene	41.3	10	µg/L	50.0		82.6	40-140			V-16	
Phenol	17.4	10	µg/L	50.0		34.8	20-130				
Pyridine	17.0	5.0	µg/L	50.0		34.0	10-140				†
1,2,4,5-Tetrachlorobenzene	41.1	10	µg/L	50.0		82.2	40-140				
1,2,4-Trichlorobenzene	37.5	5.0	µg/L	50.0		75.0	40-140				
2,4,5-Trichlorophenol	41.0	10	µg/L	50.0		81.9	30-130				
2,4,6-Trichlorophenol	40.2	10	µg/L	50.0		80.3	30-130				
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.7	15-110				
Surrogate: Phenol-d6	*71.2*		µg/L	200		35.6	15-110				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199662 - SW-846 3510C											
LCS (B199662-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Surrogate: Nitrobenzene-d5	*83.5*		µg/L	100		83.5	30-130				
Surrogate: 2-Fluorobiphenyl	*88.4*		µg/L	100		88.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*181*		µg/L	200		90.4	15-110				
Surrogate: p-Terphenyl-d14	*98.5*		µg/L	100		98.5	30-130				
LCS Dup (B199662-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Aniline	36.5	5.0	µg/L	50.0		73.0	40-140	8.73	50	V-34	† ‡
Bis(2-chloroethoxy)methane	45.2	10	µg/L	50.0		90.5	40-140	3.82	20		
Bis(2-chloroethyl)ether	38.2	10	µg/L	50.0		76.3	40-140	7.86	20		
Bis(2-chloroisopropyl)ether	41.3	10	µg/L	50.0		82.7	40-140	4.47	20		
Bis(2-Ethylhexyl)phthalate	41.4	10	µg/L	50.0		82.7	40-140	3.28	20		
4-Bromophenylphenylether	40.5	10	µg/L	50.0		80.9	40-140	4.49	20		
Butylbenzylphthalate	43.3	10	µg/L	50.0		86.6	40-140	2.55	20		
Carbazole	40.7	10	µg/L	50.0		81.4	40-140	3.19	20		
4-Chloroaniline	39.9	10	µg/L	50.0		79.7	40-140	4.32	20	V-34	†
4-Chloro-3-methylphenol	40.4	10	µg/L	50.0		80.9	30-130	3.57	20		
2-Chloronaphthalene	35.1	10	µg/L	50.0		70.2	40-140	1.61	20		
2-Chlorophenol	34.2	10	µg/L	50.0		68.4	30-130	8.00	20		
4-Chlorophenylphenylether	41.4	10	µg/L	50.0		82.8	40-140	2.46	20		
Dibenzofuran	41.3	5.0	µg/L	50.0		82.6	40-140	3.52	20		
Di-n-butylphthalate	40.4	10	µg/L	50.0		80.9	40-140	3.76	20		
3,3-Dichlorobenzidine	45.4	10	µg/L	50.0		90.8	40-140	3.21	20		† ‡
2,4-Dichlorophenol	39.2	10	µg/L	50.0		78.4	30-130	2.64	20		
Diethylphthalate	41.3	10	µg/L	50.0		82.7	40-140	1.82	20		
2,4-Dimethylphenol	40.0	10	µg/L	50.0		80.0	30-130	3.27	20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.4	40-140	1.60	50		
4,6-Dinitro-2-methylphenol	35.1	10	µg/L	50.0		70.1	30-130	1.56	50		
2,4-Dinitrophenol	34.4	10	µg/L	50.0		68.9	30-130	0.992	50	V-19	
2,4-Dinitrotoluene	40.4	10	µg/L	50.0		80.9	40-140	1.55	20		
2,6-Dinitrotoluene	42.9	10	µg/L	50.0		85.8	40-140	0.561	20		
Di-n-octylphthalate	37.7	10	µg/L	50.0		75.4	40-140	2.44	20		
Hexachlorobenzene	40.7	10	µg/L	50.0		81.4	40-140	1.37	20		
Hexachlorobutadiene	35.9	10	µg/L	50.0		71.7	40-140	5.40	20		
Hexachlorocyclopentadiene	34.2	10	µg/L	50.0		68.4	30-140	1.82	50		
Hexachloroethane	34.2	10	µg/L	50.0		68.4	40-140	4.63	50		
Isophorone	42.1	10	µg/L	50.0		84.2	40-140	2.65	20		
2-Methylphenol	29.6	10	µg/L	50.0		59.1	30-130	8.48	20		
3/4-Methylphenol	32.2	10	µg/L	50.0		64.4	30-130	5.29	20		
2-Nitroaniline	40.9	10	µg/L	50.0		81.9	40-140	2.39	20		
3-Nitroaniline	42.1	10	µg/L	50.0		84.3	40-140	4.66	20	V-34	†
4-Nitroaniline	42.0	10	µg/L	50.0		84.1	40-140	4.49	20		
Nitrobenzene	36.8	10	µg/L	50.0		73.7	40-140	3.99	20		
2-Nitrophenol	37.2	10	µg/L	50.0		74.4	30-130	4.19	20		
4-Nitrophenol	20.1	10	µg/L	50.0		40.2	10-130	3.47	50		‡
N-Nitrosodiphenylamine	50.6	10	µg/L	50.0		101	40-140	2.83	20		
N-Nitrosodi-n-propylamine	38.7	10	µg/L	50.0		77.4	40-140	5.28	20		
Pentachloronitrobenzene	39.3	10	µg/L	50.0		78.6	40-140	4.96	20	V-16	
Phenol	15.6	10	µg/L	50.0		31.1	20-130	11.2	20		
Pyridine	14.5	5.0	µg/L	50.0		28.9	10-140	16.0	50		†
1,2,4,5-Tetrachlorobenzene	39.9	10	µg/L	50.0		79.8	40-140	2.96	20		
1,2,4-Trichlorobenzene	36.1	5.0	µg/L	50.0		72.2	40-140	3.72	20		
2,4,5-Trichlorophenol	39.4	10	µg/L	50.0		78.8	30-130	3.96	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199662 - SW-846 3510C										
LCS Dup (B199662-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2,4,6-Trichlorophenol	39.6	10	µg/L	50.0		79.3	30-130	1.28	50	
Surrogate: 2-Fluorophenol	*91.3*		µg/L	200		45.7	15-110			
Surrogate: Phenol-d6	*63.2*		µg/L	200		31.6	15-110			
Surrogate: Nitrobenzene-d5	*78.9*		µg/L	100		78.9	30-130			
Surrogate: 2-Fluorobiphenyl	*84.6*		µg/L	100		84.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*173*		µg/L	200		86.7	15-110			
Surrogate: p-Terphenyl-d14	*94.5*		µg/L	100		94.5	30-130			
Batch B199819 - SW-846 3510C										
Blank (B199819-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	ND	1.0	µg/L							
Acenaphthene	ND	0.30	µg/L							
Acenaphthylene	ND	0.30	µg/L							
Anthracene	ND	0.20	µg/L							
Benzo(a)anthracene	ND	0.050	µg/L							
Benzo(a)pyrene	ND	0.10	µg/L							
Benzo(b)fluoranthene	ND	0.050	µg/L							
Benzo(g,h,i)perylene	ND	0.50	µg/L							
Benzo(k)fluoranthene	ND	0.20	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	1.0	µg/L							
Chrysene	ND	0.20	µg/L							
Dibenz(a,h)anthracene	ND	0.20	µg/L							
Fluoranthene	ND	0.50	µg/L							
Fluorene	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L							
Naphthalene	ND	1.0	µg/L							
Pentachlorophenol	ND	1.0	µg/L							
Phenanthrene	ND	0.050	µg/L							
Pyrene	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*94.0*		µg/L	200		47.0	15-110			
Surrogate: Phenol-d6	*67.3*		µg/L	200		33.7	15-110			
Surrogate: Nitrobenzene-d5	*77.1*		µg/L	100		77.1	30-130			
Surrogate: 2-Fluorobiphenyl	*72.5*		µg/L	100		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		95.0	15-110			
Surrogate: p-Terphenyl-d14	*67.4*		µg/L	100		67.4	30-130			
LCS (B199819-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	40.2	25	µg/L	50.0		80.3	40-140			
Acenaphthene	42.0	7.5	µg/L	50.0		84.0	40-140			
Acenaphthylene	41.2	7.5	µg/L	50.0		82.5	40-140			
Anthracene	44.3	5.0	µg/L	50.0		88.6	40-140			
Benzo(a)anthracene	43.3	1.2	µg/L	50.0		86.6	40-140			
Benzo(a)pyrene	45.3	2.5	µg/L	50.0		90.6	40-140			
Benzo(b)fluoranthene	46.0	1.2	µg/L	50.0		92.1	40-140			
Benzo(g,h,i)perylene	43.6	12	µg/L	50.0		87.2	40-140			
Benzo(k)fluoranthene	44.0	5.0	µg/L	50.0		88.0	40-140			
Bis(2-Ethylhexyl)phthalate	43.8	25	µg/L	50.0		87.5	40-140			
Chrysene	41.9	5.0	µg/L	50.0		83.8	40-140			
Dibenz(a,h)anthracene	46.8	5.0	µg/L	50.0		93.5	40-140			
Fluoranthene	43.8	12	µg/L	50.0		87.5	40-140			
Fluorene	43.2	25	µg/L	50.0		86.5	40-140			
Indeno(1,2,3-cd)pyrene	46.2	5.0	µg/L	50.0		92.4	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199819 - SW-846 3510C										
LCS (B199819-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18						
Naphthalene	39.4	25	µg/L	50.0		78.8	40-140			
Pentachlorophenol	46.5	25	µg/L	50.0		93.0	30-130			
Phenanthrene	42.0	1.2	µg/L	50.0		84.1	40-140			
Pyrene	42.4	25	µg/L	50.0		84.9	40-140			
Surrogate: 2-Fluorophenol	*88.6*		µg/L	200		44.3	15-110			
Surrogate: Phenol-d6	*83.7*		µg/L	200		41.8	15-110			
Surrogate: Nitrobenzene-d5	*84.2*		µg/L	100		84.2	30-130			
Surrogate: 2-Fluorobiphenyl	*83.2*		µg/L	100		83.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*166*		µg/L	200		83.2	15-110			
Surrogate: p-Terphenyl-d14	*69.3*		µg/L	100		69.3	30-130			
LCS Dup (B199819-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	40.5	25	µg/L	50.0		81.0	40-140	0.868	20	
Acenaphthene	42.8	7.5	µg/L	50.0		85.5	40-140	1.71	20	
Acenaphthylene	41.8	7.5	µg/L	50.0		83.5	40-140	1.20	20	
Anthracene	45.4	5.0	µg/L	50.0		90.7	40-140	2.34	20	
Benzo(a)anthracene	43.9	1.2	µg/L	50.0		87.8	40-140	1.43	20	
Benzo(a)pyrene	46.0	2.5	µg/L	50.0		92.0	40-140	1.42	20	
Benzo(b)fluoranthene	46.9	1.2	µg/L	50.0		93.8	40-140	1.88	20	
Benzo(g,h,i)perylene	44.5	12	µg/L	50.0		89.0	40-140	2.04	20	
Benzo(k)fluoranthene	44.8	5.0	µg/L	50.0		89.7	40-140	1.97	20	
Bis(2-Ethylhexyl)phthalate	43.4	25	µg/L	50.0		86.7	40-140	0.918	20	
Chrysene	42.6	5.0	µg/L	50.0		85.1	40-140	1.48	20	
Dibenz(a,h)anthracene	47.5	5.0	µg/L	50.0		95.0	40-140	1.64	20	
Fluoranthene	45.2	12	µg/L	50.0		90.4	40-140	3.20	20	
Fluorene	44.5	25	µg/L	50.0		89.0	40-140	2.79	20	
Indeno(1,2,3-cd)pyrene	47.2	5.0	µg/L	50.0		94.4	40-140	2.20	50	
Naphthalene	40.1	25	µg/L	50.0		80.2	40-140	1.82	20	
Pentachlorophenol	49.6	25	µg/L	50.0		99.1	30-130	6.35	50	
Phenanthrene	42.6	1.2	µg/L	50.0		85.2	40-140	1.30	20	
Pyrene	41.6	25	µg/L	50.0		83.1	40-140	2.14	20	
Surrogate: 2-Fluorophenol	*71.4*		µg/L	200		35.7	15-110			
Surrogate: Phenol-d6	*67.0*		µg/L	200		33.5	15-110			
Surrogate: Nitrobenzene-d5	*82.8*		µg/L	100		82.8	30-130			
Surrogate: 2-Fluorobiphenyl	*84.4*		µg/L	100		84.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		84.9	15-110			
Surrogate: p-Terphenyl-d14	*68.3*		µg/L	100		68.3	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199802 - SW-846 3510C										
Blank (B199802-BLK1)				Prepared: 03/29/18 Analyzed: 03/30/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.38*		µg/L	2.00		69.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.37*		µg/L	2.00		68.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.70*		µg/L	2.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/L	2.00		86.5	30-150			
LCS (B199802-BS1)				Prepared: 03/29/18 Analyzed: 03/30/18						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.6	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		101	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		86.9	40-140			
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.6	40-140			
Surrogate: Decachlorobiphenyl	*1.33*		µg/L	2.00		66.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.31*		µg/L	2.00		65.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.63*		µg/L	2.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		84.0	30-150			
LCS Dup (B199802-BSD1)				Prepared: 03/29/18 Analyzed: 03/30/18						
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	7.24	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140	8.45	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.1	40-140	4.73	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		91.5	40-140	7.77	20	
Surrogate: Decachlorobiphenyl	*1.18*		µg/L	2.00		58.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.16*		µg/L	2.00		57.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/L	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.6	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199754 - SW-846 3510C											
Blank (B199754-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0820*		mg/L	0.100		82.0		50-150			
LCS (B199754-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	0.608	0.075	mg/L	1.00		60.8		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0740*		mg/L	0.100		74.0		50-150			
LCS Dup (B199754-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	0.577	0.075	mg/L	1.00		**57.7**	*	60-120	5.25	30	L-07
Surrogate: 2-Fluorobiphenyl	*0.0693*		mg/L	0.100		69.3		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199875 - SW-846 3005A										
Blank (B199875-BLK1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B199875-BS1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	538	4.0	µg/L	500		108	80-120			
Barium	533	100	µg/L	500		107	80-120			
Cadmium	545	5.0	µg/L	500		109	80-120			
Chromium	534	10	µg/L	500		107	80-120			
Copper	1030	50	µg/L	1000		103	80-120			
Lead	541	10	µg/L	500		108	80-120			
Selenium	554	50	µg/L	500		111	80-120			
Silver	476	5.0	µg/L	500		95.2	80-120			
LCS Dup (B199875-BSD1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	543	4.0	µg/L	500		109	80-120	0.918	20	
Barium	534	100	µg/L	500		107	80-120	0.159	20	
Cadmium	547	5.0	µg/L	500		109	80-120	0.468	20	
Chromium	532	10	µg/L	500		106	80-120	0.396	20	
Copper	1040	50	µg/L	1000		104	80-120	0.450	20	
Lead	545	10	µg/L	500		109	80-120	0.781	20	
Selenium	563	50	µg/L	500		113	80-120	1.64	20	
Silver	475	5.0	µg/L	500		95.0	80-120	0.196	20	
Batch B199898 - SW-846 7470A Prep										
Blank (B199898-BLK1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	ND	0.00010	mg/L							
LCS (B199898-BS1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00201	0.00010	mg/L	0.00200		100	80-120			
LCS Dup (B199898-BSD1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120	0.677	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199759 - SW-846 7196A										
Blank (B199759-BLK1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B199759-BS1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.10	0.0040	mg/L	0.100		99.6	80-120			
LCS Dup (B199759-BSD1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.097	0.0040	mg/L	0.100		97.3	80-120	2.40	20	
Duplicate (B199759-DUP1)	**Source: 18C1119-10**			Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B199759-MS1)	**Source: 18C1119-10**			Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.090	0.0040	mg/L	0.100	ND	90.2	75-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020A-B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

1821119

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of ____

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper	# of Containers	[2] Preservation Code	[3] Container Code
								3	2	2	2	1	1			
								H	I	I	I	N	I			
								V	A	A	A	P	P			
1	MW-16	3/28/18	1000		X	GW	U	X	X	X	X	X	X			
2	MW-CCA2		1210					X	X	X						
3	MW-CCA3		935							X	X	X	X			
4	MW-CCA4		1138					X	X	X	X	X	X			
5	MW-310		1255							X						
6	MW-202		1345							X						
7	MW-203		1420						X	X						
8	MW-201		1445					X	X	X						
9	MW-2A		1528					X		X						
10	DUP-1	↓	—		↓	↓	↓	X	X	X	X	X	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Weston & Sampson directly.

(2) Please send copy of results to Paul Boison (Paul.Boison@eversource.com) at Eversource Energy.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature) Tom Mac	Date/Time: 3/28/18 1630
Relinquished by: (signature) Tom Mac	Date/Time: 3/28/18 1745
Received by: (signature)	Date/Time: 3-28-18 17:45
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By ESD Date 3-28-18 Time 17:45

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 537 Actual Temp - 4.5 / 3.6 / 3.1 / 4.1
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? T
Are there Rushes? F
Are there Short Holds? T
Is there enough Volume? T
Is there Headspace where applicable? F
Proper Media/Containers Used? T
Were trip blanks received? F
Do all samples have the proper pH? T

Who was notified? ____
Who was notified? ____
Who was notified? Luke

MS/MSD? F
Is splitting samples required? F
On COC? F
Acid pH<2 Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	40	1 Liter Plastic		16 oz Amb.	
HCL-	15	500 mL Amb.		500 mL Plastic	4	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	4	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18C1119

Laboratory Sample ID(s):

18C1119-01 thru 18C1119-10

Sample Date(s):

03/28/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7196A, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 04/04/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 5, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18C1185

Enclosed are results of analyses for samples received by the laboratory on March 29, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/5/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1185

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-10	18C1185-01	Ground Water		CTDEP ETPH	
				SW-846 8260C	
MW-11A	18C1185-02	Ground Water		CTDEP ETPH	
				SW-846 8260C	
MW-4R	18C1185-03	Ground Water		CTDEP ETPH	
				SW-846 8260C	
MW-6	18C1185-04	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
MW-T6	18C1185-05	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
Trip Blank	18C1185-06	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B199874-BS1

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Naphthalene
18C1185-01[MW-10], 18C1185-02[MW-11A], 18C1185-03[MW-4R], 18C1185-04[MW-6], 18C1185-05[MW-T6], 18C1185-06[Trip Blank], B199983-BLK1, B199983-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Naphthalene
18C1185-01[MW-10], 18C1185-02[MW-11A], 18C1185-03[MW-4R], 18C1185-04[MW-6], 18C1185-05[MW-T6], 18C1185-06[Trip Blank], B199983-BLK1, B199983-BS1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B199983-BS1

Dichlorodifluoromethane (Freon 1
B199983-BS1

SW-846 8270D

Qualifications:

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18C1185-04[MW-6]

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18C1185-04[MW-6], B199850-BLK1, B199850-BS1, B199850-BSD1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18C1185-04[MW-6], B199850-BLK1, B199850-BS1, B199850-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3-Nitroaniline
18C1185-04[MW-6], B199850-BLK1, B199850-BS1, B199850-BSD1

4-Chloroaniline
18C1185-04[MW-6], B199850-BLK1, B199850-BS1, B199850-BSD1

Aniline
18C1185-04[MW-6], B199850-BLK1, B199850-BS1, B199850-BSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

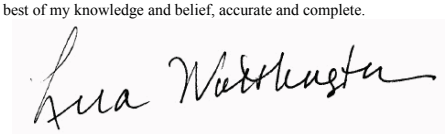
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-10 | Sampled: 3/29/2018 09:45

Sample ID: 18C1185-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Chloroform	0.75	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-10 | Sampled: 3/29/2018 09:45

Sample ID: 18C1185-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 6:56	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 6:56	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		4/3/18 6:56
Toluene-d8	98.6	70-130		4/3/18 6:56
4-Bromofluorobenzene	93.9	70-130		4/3/18 6:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-10 | Sampled: 3/29/2018 09:45

Sample ID: 18C1185-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.072	mg/L	1		CTDEP ETPH	3/30/18	4/2/18 15:30	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	100	50-150				4/2/18 15:30	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-11A | Sampled: 3/29/2018 10:40

Sample ID: 18C1185-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-11A | Sampled: 3/29/2018 10:40

Sample ID: 18C1185-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 7:26	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:26	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.6	70-130		4/3/18 7:26
Toluene-d8	99.6	70-130		4/3/18 7:26
4-Bromofluorobenzene	94.7	70-130		4/3/18 7:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-11A | Sampled: 3/29/2018 10:40

Sample ID: 18C1185-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.17	0.072	mg/L	1		CTDEP ETPH	3/30/18	4/2/18 16:10	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	100	50-150				4/2/18 16:10	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-4R | Sampled: 3/29/2018 11:20

Sample ID: 18C1185-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-4R | Sampled: 3/29/2018 11:20

Sample ID: 18C1185-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 8:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	89.1	70-130		4/3/18 8:58	
Toluene-d8	99.0	70-130		4/3/18 8:58	
4-Bromofluorobenzene	94.6	70-130		4/3/18 8:58	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-4R | Sampled: 3/29/2018 11:20

Sample ID: 18C1185-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.17	0.072	mg/L	1		CTDEP ETPH	3/30/18	4/2/18 16:30	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	105	50-150				4/2/18 16:30	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 7:57	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 7:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	88.7	70-130		4/3/18 7:57	
Toluene-d8	98.3	70-130		4/3/18 7:57	
4-Bromofluorobenzene	94.0	70-130		4/3/18 7:57	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-19	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
3-Nitroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Pentachlorophenol (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/30/18	3/30/18 22:24	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/30/18	3/31/18 18:48	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.2	15-110		3/30/18 22:24
2-Fluorophenol	40.0	15-110		3/31/18 18:48
Phenol-d6	28.6	15-110		3/31/18 18:48
Phenol-d6	36.6	15-110		3/30/18 22:24
Nitrobenzene-d5	54.7	30-130		3/31/18 18:48
Nitrobenzene-d5	68.0	30-130		3/30/18 22:24
2-Fluorobiphenyl	56.1	30-130		3/30/18 22:24
2-Fluorobiphenyl	48.4	30-130		3/31/18 18:48
2,4,6-Tribromophenol	77.9	15-110		3/30/18 22:24
2,4,6-Tribromophenol	58.0	15-110		3/31/18 18:48
p-Terphenyl-d14	76.1	30-130		3/31/18 18:48
p-Terphenyl-d14	62.9	30-130		3/30/18 22:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.0	30-150		4/2/18 13:30
Decachlorobiphenyl [2]	50.3	30-150		4/2/18 13:30
Tetrachloro-m-xylene [1]	77.4	30-150		4/2/18 13:30
Tetrachloro-m-xylene [2]	78.8	30-150		4/2/18 13:30

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.072	mg/L	1		CTDEP ETPH	3/30/18	4/2/18 16:50	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	103	50-150				4/2/18 16:50	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-6 | Sampled: 3/29/2018 12:10

Sample ID: 18C1185-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Chromium	5.9	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:40	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:20	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-T6 | Sampled: 3/29/2018 12:30

Sample ID: 18C1185-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-T6 | Sampled: 3/29/2018 12:30

Sample ID: 18C1185-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 8:28	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 8:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.1	70-130		4/3/18 8:28
Toluene-d8	102	70-130		4/3/18 8:28
4-Bromofluorobenzene	92.4	70-130		4/3/18 8:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-T6 | Sampled: 3/29/2018 12:30

Sample ID: 18C1185-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/30/18	4/2/18 13:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	45.3	30-150		4/2/18 13:43
Decachlorobiphenyl [2]	43.1	30-150		4/2/18 13:43
Tetrachloro-m-xylene [1]	80.3	30-150		4/2/18 13:43
Tetrachloro-m-xylene [2]	82.2	30-150		4/2/18 13:43

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-T6 | Sampled: 3/29/2018 12:30

Sample ID: 18C1185-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.072	mg/L	1		CTDEP ETPH	3/30/18	4/2/18 15:50	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	99.3	50-150		4/2/18 15:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: MW-T6 | Sampled: 3/29/2018 12:30

Sample ID: 18C1185-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:42	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 16:23	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: Trip Blank | Sampled: 3/29/2018 00:00

Sample ID: 18C1185-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	10	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1185

Date Received: 3/29/2018

Field Sample #: Trip Blank | Sampled: 3/29/2018 00:00

Sample ID: 18C1185-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	4/2/18	4/3/18 0:45	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/2/18	4/3/18 0:45	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	89.7	70-130			4/3/18 0:45
Toluene-d8	98.6	70-130			4/3/18 0:45
4-Bromofluorobenzene	96.2	70-130			4/3/18 0:45

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-01 [MW-10]	B199874	1040	1.00	03/30/18
18C1185-02 [MW-11A]	B199874	1040	1.00	03/30/18
18C1185-03 [MW-4R]	B199874	1040	1.00	03/30/18
18C1185-04 [MW-6]	B199874	1040	1.00	03/30/18
18C1185-05 [MW-T6]	B199874	1040	1.00	03/30/18

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-04 [MW-6]	B199884	50.0	50.0	03/30/18
18C1185-05 [MW-T6]	B199884	50.0	50.0	03/30/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-04 [MW-6]	B199898	6.00	6.00	03/30/18
18C1185-05 [MW-T6]	B199898	6.00	6.00	03/30/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-04 [MW-6]	B199896	1000	10.0	03/30/18
18C1185-05 [MW-T6]	B199896	1020	10.0	03/30/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-01 [MW-10]	B199983	5	5.00	04/02/18
18C1185-02 [MW-11A]	B199983	5	5.00	04/02/18
18C1185-03 [MW-4R]	B199983	5	5.00	04/02/18
18C1185-04 [MW-6]	B199983	5	5.00	04/02/18
18C1185-05 [MW-T6]	B199983	5	5.00	04/02/18
18C1185-06 [Trip Blank]	B199983	5	5.00	04/02/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-04 [MW-6]	B199850	1030	1.00	03/30/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1185-04 [MW-6]	B199958	1030	1.00	03/30/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199983 - SW-846 5030B										
Blank (B199983-BLK1)				Prepared & Analyzed: 04/02/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	1.0	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199983 - SW-846 5030B										
Blank (B199983-BLK1)				Prepared & Analyzed: 04/02/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	1.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.3*		µg/L	25.0		89.0	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.0	70-130			
LCS (B199983-BS1)				Prepared & Analyzed: 04/02/18						
Acetone	94.9	10	µg/L	100		94.9	70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102	70-130			
Benzene	9.60	0.50	µg/L	10.0		96.0	70-130			
Bromobenzene	9.51	0.50	µg/L	10.0		95.1	70-130			
Bromodichloromethane	9.56	0.50	µg/L	10.0		95.6	70-130			
Bromoform	8.46	2.0	µg/L	10.0		84.6	70-130			
Bromomethane	9.02	1.0	µg/L	10.0		90.2	70-130			V-34
2-Butanone (MEK)	103	5.0	µg/L	100		103	70-130			
n-Butylbenzene	8.94	1.0	µg/L	10.0		89.4	70-130			
sec-Butylbenzene	9.16	1.0	µg/L	10.0		91.6	70-130			
tert-Butylbenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
Carbon Disulfide	92.2	5.0	µg/L	100		92.2	70-130			
Carbon Tetrachloride	9.33	0.50	µg/L	10.0		93.3	70-130			
Chlorobenzene	9.70	0.50	µg/L	10.0		97.0	70-130			
Chlorodibromomethane	9.45	0.50	µg/L	10.0		94.5	70-130			
Chloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroform	9.09	0.50	µg/L	10.0		90.9	70-130			
Chloromethane	10.3	0.60	µg/L	10.0		103	70-130			
2-Chlorotoluene	9.91	0.50	µg/L	10.0		99.1	70-130			
4-Chlorotoluene	9.61	0.50	µg/L	10.0		96.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.09	2.0	µg/L	10.0		80.9	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
Dibromomethane	9.94	0.50	µg/L	10.0		99.4	70-130			
1,2-Dichlorobenzene	9.62	0.50	µg/L	10.0		96.2	70-130			
1,3-Dichlorobenzene	9.60	0.50	µg/L	10.0		96.0	70-130			
1,4-Dichlorobenzene	9.40	0.50	µg/L	10.0		94.0	70-130			
trans-1,4-Dichloro-2-butene	7.64	5.0	µg/L	10.0		76.4	70-130			
Dichlorodifluoromethane (Freon 12)	9.27	0.50	µg/L	10.0		92.7	70-130			V-34
1,1-Dichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichloroethane	9.40	0.50	µg/L	10.0		94.0	70-130			
1,1-Dichloroethylene	9.52	0.50	µg/L	10.0		95.2	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199983 - SW-846 5030B											
LCS (B199983-BS1)				Prepared & Analyzed: 04/02/18							
cis-1,2-Dichloroethylene	9.62	0.50	µg/L	10.0		96.2		70-130			
trans-1,2-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6		70-130			
1,2-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130			
2,2-Dichloropropane	7.91	0.50	µg/L	10.0		79.1		70-130			
1,1-Dichloropropene	9.45	0.50	µg/L	10.0		94.5		70-130			
cis-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0		70-130			
trans-1,3-Dichloropropene	9.23	1.0	µg/L	10.0		92.3		70-130			
Ethylbenzene	9.76	0.50	µg/L	10.0		97.6		70-130			
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105		70-130			
2-Hexanone (MBK)	109	5.0	µg/L	100		109		70-130			
Isopropylbenzene (Cumene)	9.57	0.50	µg/L	10.0		95.7		70-130			
p-Isopropyltoluene (p-Cymene)	9.20	0.50	µg/L	10.0		92.0		70-130			
Methyl tert-Butyl Ether (MTBE)	9.30	0.50	µg/L	10.0		93.0		70-130			
Methylene Chloride	9.85	5.0	µg/L	10.0		98.5		70-130			
4-Methyl-2-pentanone (MIBK)	110	5.0	µg/L	100		110		70-130			
Naphthalene	6.58	2.0	µg/L	10.0		**65.8**	*	70-130			L-03, V-05
n-Propylbenzene	9.40	1.0	µg/L	10.0		94.0		70-130			
Styrene	9.89	1.0	µg/L	10.0		98.9		70-130			
1,1,1,2-Tetrachloroethane	9.57	0.50	µg/L	10.0		95.7		70-130			
1,1,2,2-Tetrachloroethane	9.99	0.50	µg/L	10.0		99.9		70-130			
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105		70-130			
Tetrahydrofuran	10.5	10	µg/L	10.0		105		70-130			
Toluene	10.2	1.0	µg/L	10.0		102		70-130			
1,2,3-Trichlorobenzene	7.97	2.0	µg/L	10.0		79.7		70-130			
1,2,4-Trichlorobenzene	8.27	2.0	µg/L	10.0		82.7		70-130			
1,1,1-Trichloroethane	9.35	0.50	µg/L	10.0		93.5		70-130			
1,1,2-Trichloroethane	10.5	0.50	µg/L	10.0		105		70-130			
Trichloroethylene	9.93	1.0	µg/L	10.0		99.3		70-130			
Trichlorofluoromethane (Freon 11)	9.12	2.0	µg/L	10.0		91.2		70-130			
1,2,3-Trichloropropane	9.21	1.0	µg/L	10.0		92.1		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72	0.50	µg/L	10.0		97.2		70-130			
1,2,4-Trimethylbenzene	9.51	0.50	µg/L	10.0		95.1		70-130			
1,3,5-Trimethylbenzene	9.78	0.50	µg/L	10.0		97.8		70-130			
Vinyl Chloride	10.5	1.0	µg/L	10.0		105		70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.2		70-130			
o-Xylene	9.86	1.0	µg/L	10.0		98.6		70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.4*		µg/L	25.0		85.4		70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.2		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199850 - SW-846 3510C										
Blank (B199850-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18						
Aniline	ND	5.0	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-19
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							V-34
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*84.1*		µg/L	200		42.1	15-110			
Surrogate: Phenol-d6	*57.1*		µg/L	200		28.6	15-110			
Surrogate: Nitrobenzene-d5	*67.2*		µg/L	100		67.2	30-130			
Surrogate: 2-Fluorobiphenyl	*62.4*		µg/L	101		61.7	30-130			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199850 - SW-846 3510C											
Blank (B199850-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18							
Surrogate: 2,4,6-Tribromophenol	*141*		µg/L	200		70.7	15-110				
Surrogate: p-Terphenyl-d14	*89.6*		µg/L	101		88.8	30-130				
LCS (B199850-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18							
Aniline	35.7	5.0	µg/L	50.0		71.4	40-140			V-34	†
Bis(2-chloroethoxy)methane	48.1	10	µg/L	50.0		96.2	40-140				
Bis(2-chloroethyl)ether	43.7	10	µg/L	50.0		87.5	40-140				
Bis(2-chloroisopropyl)ether	45.7	10	µg/L	50.0		91.4	40-140				
Bis(2-Ethylhexyl)phthalate	43.5	10	µg/L	50.0		87.0	40-140				
4-Bromophenylphenylether	43.0	10	µg/L	50.0		86.0	40-140				
Butylbenzylphthalate	44.7	10	µg/L	50.0		89.4	40-140				
Carbazole	41.9	10	µg/L	50.0		83.9	40-140				
4-Chloroaniline	36.2	10	µg/L	50.0		72.4	40-140			V-34	†
4-Chloro-3-methylphenol	42.9	10	µg/L	50.0		85.7	30-130				
2-Chloronaphthalene	35.4	10	µg/L	50.0		70.7	40-140				
2-Chlorophenol	38.6	10	µg/L	50.0		77.2	30-130				
4-Chlorophenylphenylether	42.6	10	µg/L	50.0		85.1	40-140				
Dibenzofuran	42.7	5.0	µg/L	50.0		85.5	40-140				
Di-n-butylphthalate	42.7	10	µg/L	50.0		85.5	40-140				
3,3-Dichlorobenzidine	44.4	10	µg/L	50.0		88.7	40-140				†
2,4-Dichlorophenol	42.2	10	µg/L	50.0		84.4	30-130				
Diethylphthalate	42.9	10	µg/L	50.0		85.8	40-140				
2,4-Dimethylphenol	38.5	10	µg/L	50.0		76.9	30-130				
Dimethylphthalate	44.0	10	µg/L	50.0		87.9	40-140				
4,6-Dinitro-2-methylphenol	36.1	10	µg/L	50.0		72.1	30-130				
2,4-Dinitrophenol	36.0	10	µg/L	50.0		72.0	30-130			V-19	
2,4-Dinitrotoluene	41.0	10	µg/L	50.0		81.9	40-140				
2,6-Dinitrotoluene	43.8	10	µg/L	50.0		87.6	40-140				
Di-n-octylphthalate	39.3	10	µg/L	50.0		78.6	40-140				
Hexachlorobenzene	43.1	10	µg/L	50.0		86.2	40-140				
Hexachlorobutadiene	38.9	10	µg/L	50.0		77.8	40-140				
Hexachlorocyclopentadiene	34.6	10	µg/L	50.0		69.1	30-140				
Hexachloroethane	37.7	10	µg/L	50.0		75.4	40-140				
Isophorone	45.5	10	µg/L	50.0		91.0	40-140				
2-Methylphenol	32.6	10	µg/L	50.0		65.2	30-130				
3/4-Methylphenol	36.0	10	µg/L	50.0		72.0	30-130				
2-Nitroaniline	41.9	10	µg/L	50.0		83.8	40-140				
3-Nitroaniline	39.8	10	µg/L	50.0		79.6	40-140			V-34	†
4-Nitroaniline	42.7	10	µg/L	50.0		85.4	40-140				
Nitrobenzene	40.5	10	µg/L	50.0		81.0	40-140				
2-Nitrophenol	39.7	10	µg/L	50.0		79.4	30-130				
4-Nitrophenol	20.8	10	µg/L	50.0		41.6	10-130				
N-Nitrosodiphenylamine	53.0	10	µg/L	50.0		106	40-140				
N-Nitrosodi-n-propylamine	42.8	10	µg/L	50.0		85.6	40-140				
Pentachloronitrobenzene	42.1	10	µg/L	50.0		84.1	40-140			V-16	
Pentachlorophenol	32.6	10	µg/L	50.0		65.1	30-130				
Phenol	18.3	10	µg/L	50.0		36.5	20-130				
Pyridine	12.8	5.0	µg/L	50.0		25.6	10-140				†
1,2,4,5-Tetrachlorobenzene	41.1	10	µg/L	50.0		82.2	40-140				
1,2,4-Trichlorobenzene	38.5	5.0	µg/L	50.0		77.0	40-140				
2,4,5-Trichlorophenol	41.2	10	µg/L	50.0		82.4	30-130				
2,4,6-Trichlorophenol	40.4	10	µg/L	50.0		80.8	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199850 - SW-846 3510C											
LCS (B199850-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18							
Surrogate: 2-Fluorophenol	*111*		µg/L	200		55.6	15-110				
Surrogate: Phenol-d6	*77.8*		µg/L	200		38.9	15-110				
Surrogate: Nitrobenzene-d5	*87.7*		µg/L	100		87.7	30-130				
Surrogate: 2-Fluorobiphenyl	*84.0*		µg/L	101		83.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		94.8	15-110				
Surrogate: p-Terphenyl-d14	*102*		µg/L	101		101	30-130				
LCS Dup (B199850-BSD1)				Prepared: 03/30/18 Analyzed: 03/31/18							
Aniline	34.8	5.0	µg/L	50.0		69.6	40-140	2.58	50	V-34	† ‡
Bis(2-chloroethoxy)methane	45.7	10	µg/L	50.0		91.4	40-140	5.07	20		
Bis(2-chloroethyl)ether	40.4	10	µg/L	50.0		80.8	40-140	7.99	20		
Bis(2-chloroisopropyl)ether	42.9	10	µg/L	50.0		85.7	40-140	6.44	20		
Bis(2-Ethylhexyl)phthalate	40.6	10	µg/L	50.0		81.2	40-140	6.80	20		
4-Bromophenylphenylether	40.0	10	µg/L	50.0		80.0	40-140	7.18	20		
Butylbenzylphthalate	42.1	10	µg/L	50.0		84.3	40-140	5.94	20		
Carbazole	40.0	10	µg/L	50.0		80.1	40-140	4.61	20		
4-Chloroaniline	32.0	10	µg/L	50.0		63.9	40-140	12.5	20	V-34	†
4-Chloro-3-methylphenol	39.4	10	µg/L	50.0		78.7	30-130	8.49	20		
2-Chloronaphthalene	34.3	10	µg/L	50.0		68.6	40-140	3.07	20		
2-Chlorophenol	36.0	10	µg/L	50.0		72.0	30-130	6.97	20		
4-Chlorophenylphenylether	40.4	10	µg/L	50.0		80.9	40-140	5.11	20		
Dibenzofuran	40.8	5.0	µg/L	50.0		81.5	40-140	4.74	20		
Di-n-butylphthalate	40.0	10	µg/L	50.0		80.0	40-140	6.57	20		
3,3-Dichlorobenzidine	40.3	10	µg/L	50.0		80.7	40-140	9.51	20		† ‡
2,4-Dichlorophenol	39.6	10	µg/L	50.0		79.1	30-130	6.53	20		
Diethylphthalate	40.2	10	µg/L	50.0		80.4	40-140	6.48	20		
2,4-Dimethylphenol	37.1	10	µg/L	50.0		74.1	30-130	3.71	20		
Dimethylphthalate	42.0	10	µg/L	50.0		84.0	40-140	4.59	50		
4,6-Dinitro-2-methylphenol	34.9	10	µg/L	50.0		69.8	30-130	3.33	50		
2,4-Dinitrophenol	35.1	10	µg/L	50.0		70.2	30-130	2.48	50	V-19	
2,4-Dinitrotoluene	39.8	10	µg/L	50.0		79.6	40-140	2.82	20		
2,6-Dinitrotoluene	41.5	10	µg/L	50.0		83.0	40-140	5.49	20		
Di-n-octylphthalate	37.1	10	µg/L	50.0		74.3	40-140	5.60	20		
Hexachlorobenzene	39.6	10	µg/L	50.0		79.3	40-140	8.38	20		
Hexachlorobutadiene	36.6	10	µg/L	50.0		73.3	40-140	6.01	20		
Hexachlorocyclopentadiene	34.2	10	µg/L	50.0		68.5	30-140	0.988	50		
Hexachloroethane	35.5	10	µg/L	50.0		70.9	40-140	6.07	50		
Isophorone	42.1	10	µg/L	50.0		84.2	40-140	7.69	20		
2-Methylnaphthalene	41.0	5.0	µg/L	50.0		82.1	40-140	6.69	20		
2-Methylphenol	28.9	10	µg/L	50.0		57.9	30-130	11.9	20		
3/4-Methylphenol	33.4	10	µg/L	50.0		66.9	30-130	7.32	20		
2-Nitroaniline	40.5	10	µg/L	50.0		81.0	40-140	3.37	20		
3-Nitroaniline	37.7	10	µg/L	50.0		75.4	40-140	5.47	20	V-34	†
4-Nitroaniline	39.8	10	µg/L	50.0		79.6	40-140	6.98	20		
Nitrobenzene	38.0	10	µg/L	50.0		75.9	40-140	6.45	20		
2-Nitrophenol	38.4	10	µg/L	50.0		76.8	30-130	3.41	20		
4-Nitrophenol	19.3	10	µg/L	50.0		38.6	10-130	7.48	50		‡
N-Nitrosodiphenylamine	49.4	10	µg/L	50.0		98.9	40-140	6.88	20		
N-Nitrosodi-n-propylamine	40.1	10	µg/L	50.0		80.1	40-140	6.57	20		
Pentachloronitrobenzene	39.6	10	µg/L	50.0		79.1	40-140	6.17	20	V-16	
Pentachlorophenol	31.9	10	µg/L	50.0		63.9	30-130	1.92	50		
Phenol	16.8	10	µg/L	50.0		33.5	20-130	8.63	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199850 - SW-846 3510C										
LCS Dup (B199850-BSD1)				Prepared: 03/30/18 Analyzed: 03/31/18						
Pyridine	18.5	5.0	µg/L	50.0		37.0	10-140	36.3	50	†
1,2,4,5-Tetrachlorobenzene	39.8	10	µg/L	50.0		79.6	40-140	3.16	20	
1,2,4-Trichlorobenzene	37.1	5.0	µg/L	50.0		74.2	40-140	3.62	20	
2,4,5-Trichlorophenol	39.4	10	µg/L	50.0		78.8	30-130	4.42	20	
2,4,6-Trichlorophenol	38.8	10	µg/L	50.0		77.5	30-130	4.22	50	
Surrogate: 2-Fluorophenol	*100*		µg/L	200		50.2	15-110			
Surrogate: Phenol-d6	*70.7*		µg/L	200		35.3	15-110			
Surrogate: Nitrobenzene-d5	*82.0*		µg/L	100		82.0	30-130			
Surrogate: 2-Fluorobiphenyl	*79.9*		µg/L	101		79.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*176*		µg/L	200		88.2	15-110			
Surrogate: p-Terphenyl-d14	*93.7*		µg/L	101		92.8	30-130			
Batch B199958 - SW-846 3510C										
Blank (B199958-BLK1)				Prepared & Analyzed: 03/30/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.5	15-110			
Surrogate: Phenol-d6	*78.8*		µg/L	200		39.4	15-110			
Surrogate: Nitrobenzene-d5	*88.0*		µg/L	100		88.0	30-130			
Surrogate: 2-Fluorobiphenyl	*75.9*		µg/L	101		75.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*216*		µg/L	200		108	15-110			
Surrogate: p-Terphenyl-d14	*78.9*		µg/L	101		78.1	30-130			
LCS (B199958-BS1)				Prepared & Analyzed: 03/30/18						
Acenaphthene (SIM)	43.7	7.5	µg/L	50.0		87.4	40-140			
Acenaphthylene (SIM)	45.4	7.5	µg/L	50.0		90.9	40-140			
Anthracene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140			
Benzo(a)anthracene (SIM)	45.2	1.2	µg/L	50.0		90.4	40-140			
Benzo(a)pyrene (SIM)	47.6	2.5	µg/L	50.0		95.2	40-140			
Benzo(b)fluoranthene (SIM)	48.4	1.2	µg/L	50.0		96.8	40-140			
Benzo(g,h,i)perylene (SIM)	45.0	12	µg/L	50.0		90.0	40-140			
Benzo(k)fluoranthene (SIM)	46.3	5.0	µg/L	50.0		92.6	40-140			
Chrysene (SIM)	43.6	5.0	µg/L	50.0		87.2	40-140			
Dibenz(a,h)anthracene (SIM)	48.0	5.0	µg/L	50.0		96.0	40-140			
Fluoranthene (SIM)	48.0	12	µg/L	50.0		96.0	40-140			
Fluorene (SIM)	43.9	25	µg/L	50.0		87.8	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199958 - SW-846 3510C										
LCS (B199958-BS1)				Prepared & Analyzed: 03/30/18						
Indeno(1,2,3-cd)pyrene (SIM)	48.0	5.0	µg/L	50.0		95.9	40-140			
2-Methylnaphthalene (SIM)	40.8	25	µg/L	50.0		81.6	40-140			
Naphthalene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Pentachlorophenol (SIM)	37.9	25	µg/L	50.0		75.8	40-140			
Phenanthrene (SIM)	44.5	1.2	µg/L	50.0		89.0	40-140			
Pyrene (SIM)	44.8	25	µg/L	50.0		89.5	40-140			
Surrogate: 2-Fluorophenol	*99.0*		µg/L	200		49.5	15-110			
Surrogate: Phenol-d6	*78.4*		µg/L	200		39.2	15-110			
Surrogate: Nitrobenzene-d5	*99.6*		µg/L	100		99.6	30-130			
Surrogate: 2-Fluorobiphenyl	*85.0*		µg/L	101		84.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*127*		µg/L	200		63.5	15-110			
Surrogate: p-Terphenyl-d14	*69.6*		µg/L	101		69.0	30-130			
LCS Dup (B199958-BSD1)				Prepared & Analyzed: 03/30/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.0	40-140	2.93	20	
Acenaphthylene (SIM)	47.1	7.5	µg/L	50.0		94.2	40-140	3.62	20	
Anthracene (SIM)	47.2	5.0	µg/L	50.0		94.4	40-140	0.691	20	
Benzo(a)anthracene (SIM)	45.7	1.2	µg/L	50.0		91.4	40-140	1.04	20	
Benzo(a)pyrene (SIM)	48.2	2.5	µg/L	50.0		96.5	40-140	1.30	20	
Benzo(b)fluoranthene (SIM)	49.2	1.2	µg/L	50.0		98.5	40-140	1.74	20	
Benzo(g,h,i)perylene (SIM)	45.4	12	µg/L	50.0		90.8	40-140	0.996	20	
Benzo(k)fluoranthene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140	1.29	20	
Chrysene (SIM)	44.0	5.0	µg/L	50.0		88.1	40-140	1.03	20	
Dibenz(a,h)anthracene (SIM)	48.8	5.0	µg/L	50.0		97.7	40-140	1.81	20	
Fluoranthene (SIM)	48.0	12	µg/L	50.0		96.1	40-140	0.156	20	
Fluorene (SIM)	44.6	25	µg/L	50.0		89.2	40-140	1.69	20	
Indeno(1,2,3-cd)pyrene (SIM)	48.5	5.0	µg/L	50.0		97.0	40-140	1.19	20	‡
2-Methylnaphthalene (SIM)	42.5	25	µg/L	50.0		85.0	40-140	4.02	20	
Naphthalene (SIM)	44.0	25	µg/L	50.0		88.0	40-140	5.72	20	
Pentachlorophenol (SIM)	37.6	25	µg/L	50.0		75.2	40-140	0.794	20	
Phenanthrene (SIM)	45.3	1.2	µg/L	50.0		90.6	40-140	1.67	20	
Pyrene (SIM)	45.4	25	µg/L	50.0		90.8	40-140	1.39	20	
Surrogate: 2-Fluorophenol	*95.0*		µg/L	200		47.5	15-110			
Surrogate: Phenol-d6	*87.4*		µg/L	200		43.7	15-110			
Surrogate: Nitrobenzene-d5	*105*		µg/L	100		105	30-130			
Surrogate: 2-Fluorobiphenyl	*90.2*		µg/L	101		89.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*138*		µg/L	200		69.2	15-110			
Surrogate: p-Terphenyl-d14	*72.3*		µg/L	101		71.6	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199896 - SW-846 3510C										
Blank (B199896-BLK1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*1.55*		µg/L	2.00		77.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.47*		µg/L	2.00		73.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.47*		µg/L	2.00		73.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.48*		µg/L	2.00		74.2	30-150			
LCS (B199896-BS1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Aroclor-1016	0.47	0.20	µg/L	0.500		93.8	40-140			
Aroclor-1016 [2C]	0.46	0.20	µg/L	0.500		92.4	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		85.9	40-140			
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		80.2	40-140			
Surrogate: Decachlorobiphenyl	*1.54*		µg/L	2.00		77.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.47*		µg/L	2.00		73.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.55*		µg/L	2.00		77.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.58*		µg/L	2.00		78.8	30-150			
LCS Dup (B199896-BSD1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Aroclor-1016	0.46	0.20	µg/L	0.500		92.4	40-140	1.41	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.7	40-140	1.85	20	
Aroclor-1260	0.42	0.20	µg/L	0.500		84.1	40-140	2.16	20	
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		79.4	40-140	0.942	20	
Surrogate: Decachlorobiphenyl	*1.48*		µg/L	2.00		74.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.41*		µg/L	2.00		70.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.47*		µg/L	2.00		73.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.50*		µg/L	2.00		74.8	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199874 - SW-846 3510C											
Blank (B199874-BLK1)				Prepared: 03/30/18 Analyzed: 04/02/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0701*		mg/L	0.100		70.1		50-150			
LCS (B199874-BS1)				Prepared: 03/30/18 Analyzed: 04/02/18							
CT ETPH	0.556	0.075	mg/L	1.00		**55.6**	*	60-120			L-07
Surrogate: 2-Fluorobiphenyl	*0.0654*		mg/L	0.100		65.4		50-150			
LCS Dup (B199874-BSD1)				Prepared: 03/30/18 Analyzed: 04/02/18							
CT ETPH	0.622	0.075	mg/L	1.00		62.2		60-120	11.3	30	
Surrogate: 2-Fluorobiphenyl	*0.0742*		mg/L	0.100		74.2		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199884 - SW-846 3005A										
Blank (B199884-BLK1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B199884-BS1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	524	4.0	µg/L	500		105	80-120			
Barium	520	100	µg/L	500		104	80-120			
Cadmium	522	5.0	µg/L	500		104	80-120			
Chromium	540	10	µg/L	500		108	80-120			
Copper	1050	50	µg/L	1000		105	80-120			
Lead	520	10	µg/L	500		104	80-120			
Selenium	513	50	µg/L	500		103	80-120			
Silver	446	5.0	µg/L	500		89.3	80-120			
LCS Dup (B199884-BSD1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	535	4.0	µg/L	500		107	80-120	1.90	20	
Barium	526	100	µg/L	500		105	80-120	1.25	20	
Cadmium	533	5.0	µg/L	500		107	80-120	2.03	20	
Chromium	551	10	µg/L	500		110	80-120	2.09	20	
Copper	1070	50	µg/L	1000		107	80-120	1.12	20	
Lead	530	10	µg/L	500		106	80-120	1.86	20	
Selenium	524	50	µg/L	500		105	80-120	2.19	20	
Silver	449	5.0	µg/L	500		89.8	80-120	0.622	20	
Batch B199898 - SW-846 7470A Prep										
Blank (B199898-BLK1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	ND	0.00010	mg/L							
LCS (B199898-BS1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00201	0.00010	mg/L	0.00200		100	80-120			
LCS Dup (B199898-BSD1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120	0.677	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020A-B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test® ANALYTICAL LABORATORY
18C1185
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper						# of Containers
								3 H V	2 I A	2 I A	2 I A	1 N P	1 I P						[2] Preservation Code / [3] Container Code
01	MW-10	3/29/18	945		X	GW	U	X		X									
02	MW-11A		1040					X		X									
03	MW-4R		1120					X		X									
04	MW-6		1210					X	X	X	X	X							
05	MW-TC		1230					X	X	X		X							
06	Trip Blank		—					X											

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Weston & Sampson directly.

(2) Please send copy of results to Paul Boison (Paul.Boison@eversource.com) at Eversource Energy.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 3-29-18 1504
Relinquished by: (signature)	Date/Time: 3-29-18 1630
Received by: (signature)	Date/Time: 3/29/18 1603
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Western Sampson

Received By BLF Date 3/29/18 Time 1630

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 4.1°C, 3.6°C By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T PH<2 Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	17	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

-Received in 2 coolers

C:\MSDChem\4\DATA\D040218\D0402006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0402006.D
Data File Path	C:\MSDChem\4\DATA\D040218\
Operator	RMW
Date Acquired	4/2/2018 10:30
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Compound	Ret Time	Target Response	Avg Response	*%D +/- 20
C-9	1.58	7472476	8395190	11
C-10	2.22	7720184	8395190	8
C-12	3.17	8157686	8395190	3
C-14	3.89	8584141	8395190	-2
C-16	4.51	8910701	8395190	-6
C-18	5.06	9003100	8395190	-7
C-20	5.67	9065523	8395190	-8
C-22	6.41	9008433	8395190	-7
C-24	7.25	8827646	8395190	-5
C-26	8.06	8631546	8395190	-3
C-28	8.80	8506801	8395190	-1
C-30	9.49	8451400	8395190	-1
C-32	10.13	8046485	8395190	4
C-34	10.73	7815609	8395190	7
C-36	11.32	7726117	8395190	8

*One compound allowed %D </=50%

Samples

18C1112-08
18C1112-09
18C1165-03
18C1165-04
18C1165-05
18C1165-06
18C1172-03
18C1172-06
18C1172-07
18C1172-09
18C1171-02@SPLP
18C1183-01@SPLP
18C1185-01
18C1185-05
18C1185-02
18C1185-03
18C1185-04

C:\MSDChem\4\DATA\D040218.SEC\D0402007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0402007.D
Data File Path	C:\MSDChem\4\DATA\D040218.SEC\
Operator	RMW
Date Acquired	4/2/2018 10:50
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Compound	Ret Time	Target Response	Avg Response	*%D +/- 20
C-9	1.56	8369974	9345491	10
C-10	2.21	8570552	9345491	8
C-12	3.16	8906575	9345491	5
C-14	3.87	9249081	9345491	1
C-16	4.48	9528608	9345491	-2
C-18	5.03	9637184	9345491	-3
C-20	5.62	9779635	9345491	-5
C-22	6.35	9840362	9345491	-5
C-24	7.18	9769957	9345491	-5
C-26	7.99	9690620	9345491	-4
C-28	8.73	9687353	9345491	-4
C-30	9.42	9731074	9345491	-4
C-32	10.06	9340764	9345491	0
C-34	10.65	9086430	9345491	3
C-36	11.23	8994203	9345491	4

*One compound allowed %D </=50%

Samples

18C1171-01@SPLP
18C1172-10
18C1172-11
18C1172-12
18C1172-01
18C1172-02
18C1172-08
18C1165-01
18C1165-02
18C1208-01
18C1208-02

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18C1185

Laboratory Sample ID(s):
18C1185-01 thru 18C1185-06

Sample Date(s):
03/29/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 04/05/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 9, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18C1266

Enclosed are results of analyses for samples received by the laboratory on March 30, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/9/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1266

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-TRW1	18C1266-01	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
MW-T3	18C1266-02	Ground Water		CTDEP ETPH	
MW-15	18C1266-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR-1	18C1266-04	Ground Water		SW-846 8270D	
MW-200	18C1266-05	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA5	18C1266-06	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
Trip Blank	18C1266-07	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only a select list of compounds was requested and reported.

For method 6020, only a select list of metals was requested and reported.

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SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B200056-BS1

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

tert-Butyl Alcohol (TBA)
B200056-BLK1, B200056-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B200056-BS1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
B200056-BS1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Carbon Disulfide
B200056-BS1

SW-846 8270D

Qualifications:

S-17

Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
18C1266-04[MW-AIR-1], B200090-BLK1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-BSD1

Hexachlorocyclopentadiene
B199933-BLK1, B199933-BS1, B199933-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-BSD1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18C1266-04[MW-AIR-1]

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3-Nitroaniline
18C1266-04[MW-AIR-1]

4-Chloroaniline
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-BSD1

Aniline
18C1266-04[MW-AIR-1]

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

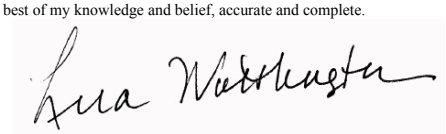
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/4/18 5:21
Toluene-d8	102	70-130		4/4/18 5:21
4-Bromofluorobenzene	97.0	70-130		4/4/18 5:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.4	30-150		4/4/18 17:09
Decachlorobiphenyl [2]	70.5	30-150		4/4/18 17:09
Tetrachloro-m-xylene [1]	81.2	30-150		4/4/18 17:09
Tetrachloro-m-xylene [2]	83.7	30-150		4/4/18 17:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.2	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 19:09	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	101	50-150				4/5/18 19:09	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT
Sample Description:
Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1
Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/3/18	4/4/18 10:07	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-T3 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.7	0.36	mg/L	5		CTDEP ETPH	4/2/18	4/6/18 10:02	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	87.7	50-150		4/6/18 10:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		4/4/18 4:13
Toluene-d8	96.8	70-130		4/4/18 4:13
4-Bromofluorobenzene	90.1	70-130		4/4/18 4:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.1	30-150		4/4/18 17:27
Decachlorobiphenyl [2]	62.8	30-150		4/4/18 17:27
Tetrachloro-m-xylene [1]	87.6	30-150		4/4/18 17:27
Tetrachloro-m-xylene [2]	90.8	30-150		4/4/18 17:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT
Sample Description:
Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15
Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.10	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:16	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	104	50-150		4/5/18 18:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-AIR-1 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Aniline	ND	5.0	µg/L	1	V-05, V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-19	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Hexachlorobenzene	ND	2.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-AIR-1 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	57.2		15-110		4/6/18 13:49
2-Fluorophenol	70.8		15-110		4/3/18 17:45
Phenol-d6	57.0		15-110		4/3/18 17:45
Phenol-d6	41.1		15-110		4/6/18 13:49
Nitrobenzene-d5	109		30-130		4/3/18 17:45
Nitrobenzene-d5	84.4		30-130		4/6/18 13:49
2-Fluorobiphenyl	75.5		30-130		4/6/18 13:49
2-Fluorobiphenyl	89.1		30-130		4/3/18 17:45
2,4,6-Tribromophenol	91.0		15-110		4/6/18 13:49
2,4,6-Tribromophenol	**132**	*	15-110	S-17	4/3/18 17:45
p-Terphenyl-d14	105		30-130		4/6/18 13:49
p-Terphenyl-d14	91.1		30-130		4/3/18 17:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		4/4/18	4:35
Toluene-d8	98.8	70-130		4/4/18	4:35
4-Bromofluorobenzene	91.2	70-130		4/4/18	4:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.3	30-150		4/4/18 17:46
Decachlorobiphenyl [2]	59.5	30-150		4/4/18 17:46
Tetrachloro-m-xylene [1]	79.0	30-150		4/4/18 17:46
Tetrachloro-m-xylene [2]	82.7	30-150		4/4/18 17:46

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.073	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:34	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	93.8	50-150		4/5/18 18:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	116	70-130		4/4/18 4:58
Toluene-d8	101	70-130		4/4/18 4:58
4-Bromofluorobenzene	91.9	70-130		4/4/18 4:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		4/4/18 18:04
Decachlorobiphenyl [2]	77.7	30-150		4/4/18 18:04
Tetrachloro-m-xylene [1]	84.0	30-150		4/4/18 18:04
Tetrachloro-m-xylene [2]	87.8	30-150		4/4/18 18:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.091	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:51	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	84.1	50-150				4/5/18 18:51	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: Trip Blank | Sampled: 3/30/2018 00:00

Sample ID: 18C1266-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: Trip Blank | Sampled: 3/30/2018 00:00

Sample ID: 18C1266-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		4/3/18 22:31
Toluene-d8	99.6	70-130		4/3/18 22:31
4-Bromofluorobenzene	91.0	70-130		4/3/18 22:31

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B199941	1050	1.00	04/02/18
18C1266-02 [MW-T3]	B199941	1050	1.00	04/02/18
18C1266-03 [MW-15]	B199941	1050	1.00	04/02/18
18C1266-05 [MW-200]	B199941	1030	1.00	04/02/18
18C1266-06 [MW-CCA5]	B199941	1050	1.00	04/02/18

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200000	50.0	50.0	04/03/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200084	6.00	6.00	04/03/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200037	1000	10.0	04/03/18
18C1266-03 [MW-15]	B200037	1000	10.0	04/03/18
18C1266-05 [MW-200]	B200037	1000	10.0	04/03/18
18C1266-06 [MW-CCA5]	B200037	1000	10.0	04/03/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200056	5	5.00	04/03/18
18C1266-03 [MW-15]	B200056	5	5.00	04/03/18
18C1266-05 [MW-200]	B200056	5	5.00	04/03/18
18C1266-06 [MW-CCA5]	B200056	5	5.00	04/03/18
18C1266-07 [Trip Blank]	B200056	5	5.00	04/03/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-04 [MW-AIR-1]	B199933	1000	1.00	04/06/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-04 [MW-AIR-1]	B200090	1000	1.00	03/31/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200056 - SW-846 5030B										
Blank (B200056-BLK1)				Prepared & Analyzed: 04/03/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							L-03
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	1.0	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B200056 - SW-846 5030B											
Blank (B200056-BLK1)				Prepared & Analyzed: 04/03/18							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*27.6*		µg/L	25.0		110		70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2		70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.5		70-130			
LCS (B200056-BS1)				Prepared & Analyzed: 04/03/18							
Acetone	93.0	10	µg/L	100		93.0		70-130			
Acrylonitrile	10.6	2.0	µg/L	10.0		106		70-130			
Benzene	9.30	0.50	µg/L	10.0		93.0		70-130			
Bromobenzene	8.91	0.50	µg/L	10.0		89.1		70-130			
Bromodichloromethane	9.33	0.50	µg/L	10.0		93.3		70-130			
Bromoform	9.11	0.50	µg/L	10.0		91.1		70-130			
Bromomethane	15.5	1.0	µg/L	10.0		**155**	*	70-130			L-01, V-05
2-Butanone (MEK)	98.5	5.0	µg/L	100		98.5		70-130			
tert-Butyl Alcohol (TBA)	52.8	20	µg/L	100		**52.8**	*	70-130			L-03
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2		70-130			
sec-Butylbenzene	8.72	1.0	µg/L	10.0		87.2		70-130			
tert-Butylbenzene	9.33	1.0	µg/L	10.0		93.3		70-130			
Carbon Disulfide	99.1	5.0	µg/L	100		99.1		70-130			V-36
Carbon Tetrachloride	9.72	0.50	µg/L	10.0		97.2		70-130			
Chlorobenzene	9.10	0.50	µg/L	10.0		91.0		70-130			
Chlorodibromomethane	9.67	0.50	µg/L	10.0		96.7		70-130			
Chloroethane	10.3	1.0	µg/L	10.0		103		70-130			
Chloroform	9.16	0.50	µg/L	10.0		91.6		70-130			
Chloromethane	9.16	2.0	µg/L	10.0		91.6		70-130			
2-Chlorotoluene	9.49	0.50	µg/L	10.0		94.9		70-130			
4-Chlorotoluene	9.14	0.50	µg/L	10.0		91.4		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.06	1.0	µg/L	10.0		80.6		70-130			
1,2-Dibromoethane (EDB)	9.57	0.50	µg/L	10.0		95.7		70-130			
Dibromomethane	9.43	0.50	µg/L	10.0		94.3		70-130			
1,2-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5		70-130			
1,3-Dichlorobenzene	9.58	0.50	µg/L	10.0		95.8		70-130			
1,4-Dichlorobenzene	8.92	0.50	µg/L	10.0		89.2		70-130			
trans-1,4-Dichloro-2-butene	9.72	2.0	µg/L	10.0		97.2		70-130			
Dichlorodifluoromethane (Freon 12)	9.70	0.50	µg/L	10.0		97.0		70-130			V-34
1,1-Dichloroethane	10.3	0.50	µg/L	10.0		103		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200056 - SW-846 5030B										
LCS (B200056-BS1)				Prepared & Analyzed: 04/03/18						
1,2-Dichloroethane	9.52	0.50	µg/L	10.0		95.2	70-130			
1,1-Dichloroethylene	10.0	0.50	µg/L	10.0		100	70-130			
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,2-Dichloropropane	8.93	0.50	µg/L	10.0		89.3	70-130			
1,3-Dichloropropane	9.56	0.50	µg/L	10.0		95.6	70-130			
2,2-Dichloropropane	7.55	0.50	µg/L	10.0		75.5	70-130			
1,1-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130			
cis-1,3-Dichloropropene	9.26	0.50	µg/L	10.0		92.6	70-130			
trans-1,3-Dichloropropene	8.84	0.50	µg/L	10.0		88.4	70-130			
Ethylbenzene	9.35	0.50	µg/L	10.0		93.5	70-130			
Hexachlorobutadiene	10.6	0.60	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6	70-130			
Isopropylbenzene (Cumene)	9.25	0.50	µg/L	10.0		92.5	70-130			
p-Isopropyltoluene (p-Cymene)	9.06	0.50	µg/L	10.0		90.6	70-130			
Methyl tert-Butyl Ether (MTBE)	9.07	0.50	µg/L	10.0		90.7	70-130			
Methylene Chloride	9.76	5.0	µg/L	10.0		97.6	70-130			
4-Methyl-2-pentanone (MIBK)	97.3	10	µg/L	100		97.3	70-130			
Naphthalene	8.72	2.0	µg/L	10.0		87.2	70-130			
n-Propylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
Styrene	8.75	1.0	µg/L	10.0		87.5	70-130			
1,1,1,2-Tetrachloroethane	9.19	0.50	µg/L	10.0		91.9	70-130			
1,1,2,2-Tetrachloroethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Tetrachloroethylene	8.76	1.0	µg/L	10.0		87.6	70-130			
Tetrahydrofuran	10.0	10	µg/L	10.0		100	70-130			
Toluene	8.33	1.0	µg/L	10.0		83.3	70-130			
1,2,3-Trichlorobenzene	9.59	0.50	µg/L	10.0		95.9	70-130			
1,2,4-Trichlorobenzene	9.25	0.50	µg/L	10.0		92.5	70-130			
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Trichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130			
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130			
1,2,3-Trichloropropane	8.75	0.50	µg/L	10.0		87.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97	0.50	µg/L	10.0		99.7	70-130			
1,2,4-Trimethylbenzene	8.89	0.50	µg/L	10.0		88.9	70-130			
1,3,5-Trimethylbenzene	9.09	0.50	µg/L	10.0		90.9	70-130			
Vinyl Chloride	8.97	1.0	µg/L	10.0		89.7	70-130			
m+p Xylene	17.4	2.0	µg/L	20.0		87.0	70-130			
o-Xylene	8.93	1.0	µg/L	10.0		89.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199933 - SW-846 3510C										
Blank (B199933-BLK1)				Prepared: 03/31/18 Analyzed: 04/03/18						
Acenaphthene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-05
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*114*		µg/L	200		57.1	15-110			
Surrogate: Phenol-d6	*84.2*		µg/L	200		42.1	15-110			
Surrogate: Nitrobenzene-d5	*86.1*		µg/L	100		86.1	30-130			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C											
Blank (B199933-BLK1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/L	101		81.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*206*		µg/L	200		103	15-110				
Surrogate: p-Terphenyl-d14	*94.2*		µg/L	101		93.3	30-130				
LCS (B199933-BS1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Acenaphthene	39.8	5.0	µg/L	50.0		79.6	40-140				
Aniline	40.6	5.0	µg/L	50.0		81.2	40-140			V-05	†
Bis(2-chloroethoxy)methane	42.9	10	µg/L	50.0		85.8	40-140				
Bis(2-chloroethyl)ether	40.2	10	µg/L	50.0		80.4	40-140				
Bis(2-chloroisopropyl)ether	43.9	10	µg/L	50.0		87.8	40-140				
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140				
4-Bromophenylphenylether	41.9	10	µg/L	50.0		83.8	40-140				
Butylbenzylphthalate	38.9	10	µg/L	50.0		77.8	40-140				
Carbazole	41.9	10	µg/L	50.0		83.8	40-140				
4-Chloroaniline	43.5	10	µg/L	50.0		87.1	40-140			V-34	†
4-Chloro-3-methylphenol	40.8	10	µg/L	50.0		81.6	30-130				
2-Chloronaphthalene	33.8	10	µg/L	50.0		67.5	40-140				
2-Chlorophenol	38.1	10	µg/L	50.0		76.2	30-130				
4-Chlorophenylphenylether	40.2	10	µg/L	50.0		80.5	40-140				
Dibenzofuran	41.7	5.0	µg/L	50.0		83.3	40-140				
Di-n-butylphthalate	44.0	10	µg/L	50.0		88.1	40-140				
3,3-Dichlorobenzidine	48.6	10	µg/L	50.0		97.2	40-140				†
2,4-Dichlorophenol	38.1	10	µg/L	50.0		76.2	30-130				
Diethylphthalate	41.9	10	µg/L	50.0		83.7	40-140				
2,4-Dimethylphenol	39.7	10	µg/L	50.0		79.5	30-130				
Dimethylphthalate	42.7	10	µg/L	50.0		85.4	40-140				
4,6-Dinitro-2-methylphenol	35.6	10	µg/L	50.0		71.1	30-130				
2,4-Dinitrophenol	37.3	10	µg/L	50.0		74.6	30-130				
2,4-Dinitrotoluene	41.6	10	µg/L	50.0		83.1	40-140				
2,6-Dinitrotoluene	42.6	10	µg/L	50.0		85.2	40-140				
Di-n-octylphthalate	37.6	10	µg/L	50.0		75.2	40-140				
Hexachlorobenzene	40.1	10	µg/L	50.0		80.1	40-140				
Hexachlorobutadiene	38.0	10	µg/L	50.0		75.9	40-140				
Hexachlorocyclopentadiene	24.7	10	µg/L	50.0		49.4	30-140			V-05	
Hexachloroethane	34.3	10	µg/L	50.0		68.5	40-140				
Isophorone	40.0	10	µg/L	50.0		80.0	40-140				
2-Methylnaphthalene	41.5	5.0	µg/L	50.0		83.0	40-140				
2-Methylphenol	37.1	10	µg/L	50.0		74.2	30-130				
3/4-Methylphenol	36.1	10	µg/L	50.0		72.2	30-130				
2-Nitroaniline	40.1	10	µg/L	50.0		80.2	40-140				
3-Nitroaniline	43.6	10	µg/L	50.0		87.3	40-140				†
4-Nitroaniline	45.2	10	µg/L	50.0		90.5	40-140				
Nitrobenzene	34.5	10	µg/L	50.0		68.9	40-140				
2-Nitrophenol	38.3	10	µg/L	50.0		76.5	30-130				
4-Nitrophenol	17.7	10	µg/L	50.0		35.3	10-130				
N-Nitrosodiphenylamine	50.1	10	µg/L	50.0		100	40-140				
N-Nitrosodi-n-propylamine	38.8	10	µg/L	50.0		77.6	40-140				
Pentachloronitrobenzene	40.6	10	µg/L	50.0		81.1	40-140			V-16	
Phenol	21.8	10	µg/L	50.0		43.6	20-130				
Pyridine	20.6	5.0	µg/L	50.0		41.2	10-140				†
1,2,4,5-Tetrachlorobenzene	39.2	10	µg/L	50.0		78.3	40-140				
1,2,4-Trichlorobenzene	36.4	5.0	µg/L	50.0		72.8	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C											
LCS (B199933-BS1)				Prepared: 03/31/18 Analyzed: 04/03/18							
2,4,5-Trichlorophenol	39.5	10	µg/L	50.0		79.1	30-130				
2,4,6-Trichlorophenol	39.4	10	µg/L	50.0		78.8	30-130				
Surrogate: 2-Fluorophenol	*115*		µg/L	200		57.3	15-110				
Surrogate: Phenol-d6	*84.5*		µg/L	200		42.3	15-110				
Surrogate: Nitrobenzene-d5	*75.4*		µg/L	100		75.4	30-130				
Surrogate: 2-Fluorobiphenyl	*76.1*		µg/L	101		75.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*196*		µg/L	200		97.9	15-110				
Surrogate: p-Terphenyl-d14	*80.1*		µg/L	101		79.3	30-130				
LCS Dup (B199933-BSD1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Acenaphthene	38.0	5.0	µg/L	50.0		76.1	40-140	4.57	20		
Aniline	33.5	5.0	µg/L	50.0		67.0	40-140	19.3	50	V-05	† ‡
Bis(2-chloroethoxy)methane	40.6	10	µg/L	50.0		81.2	40-140	5.48	20		
Bis(2-chloroethyl)ether	37.1	10	µg/L	50.0		74.3	40-140	7.94	20		
Bis(2-chloroisopropyl)ether	41.3	10	µg/L	50.0		82.7	40-140	5.96	20		
Bis(2-Ethylhexyl)phthalate	40.0	10	µg/L	50.0		80.0	40-140	2.05	20		
4-Bromophenylphenylether	40.7	10	µg/L	50.0		81.3	40-140	2.98	20		
Butylbenzylphthalate	37.7	10	µg/L	50.0		75.4	40-140	3.16	20		
Carbazole	40.0	10	µg/L	50.0		80.0	40-140	4.62	20		
4-Chloroaniline	40.0	10	µg/L	50.0		79.9	40-140	8.60	20	V-34	†
4-Chloro-3-methylphenol	38.1	10	µg/L	50.0		76.1	30-130	7.00	20		
2-Chloronaphthalene	32.2	10	µg/L	50.0		64.5	40-140	4.67	20		
2-Chlorophenol	35.1	10	µg/L	50.0		70.2	30-130	8.25	20		
4-Chlorophenylphenylether	37.6	10	µg/L	50.0		75.1	40-140	6.86	20		
Dibenzofuran	40.0	5.0	µg/L	50.0		80.0	40-140	4.09	20		
Di-n-butylphthalate	40.7	10	µg/L	50.0		81.4	40-140	7.93	20		
3,3-Dichlorobenzidine	47.5	10	µg/L	50.0		95.0	40-140	2.27	20		† ‡
2,4-Dichlorophenol	34.9	10	µg/L	50.0		69.9	30-130	8.71	20		
Diethylphthalate	39.3	10	µg/L	50.0		78.6	40-140	6.31	20		
2,4-Dimethylphenol	37.3	10	µg/L	50.0		74.6	30-130	6.36	20		
Dimethylphthalate	40.4	10	µg/L	50.0		80.8	40-140	5.49	50		
4,6-Dinitro-2-methylphenol	34.4	10	µg/L	50.0		68.9	30-130	3.17	50		
2,4-Dinitrophenol	32.5	10	µg/L	50.0		65.0	30-130	13.8	50		
2,4-Dinitrotoluene	38.6	10	µg/L	50.0		77.3	40-140	7.31	20		
2,6-Dinitrotoluene	39.6	10	µg/L	50.0		79.3	40-140	7.25	20		
Di-n-octylphthalate	37.2	10	µg/L	50.0		74.3	40-140	1.10	20		
Hexachlorobenzene	38.6	10	µg/L	50.0		77.2	40-140	3.66	20		
Hexachlorobutadiene	35.5	10	µg/L	50.0		71.1	40-140	6.61	20		
Hexachlorocyclopentadiene	23.6	10	µg/L	50.0		47.2	30-140	4.56	50	V-05	
Hexachloroethane	31.6	10	µg/L	50.0		63.2	40-140	8.17	50		
Isophorone	37.8	10	µg/L	50.0		75.7	40-140	5.53	20		
2-Methylnaphthalene	38.3	5.0	µg/L	50.0		76.7	40-140	7.96	20		
2-Methylphenol	35.5	10	µg/L	50.0		71.0	30-130	4.46	20		
3/4-Methylphenol	34.0	10	µg/L	50.0		68.1	30-130	5.90	20		
2-Nitroaniline	39.3	10	µg/L	50.0		78.5	40-140	2.09	20		
3-Nitroaniline	42.8	10	µg/L	50.0		85.5	40-140	2.01	20		†
4-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	9.06	20		
Nitrobenzene	32.9	10	µg/L	50.0		65.8	40-140	4.60	20		
2-Nitrophenol	37.7	10	µg/L	50.0		75.5	30-130	1.39	20		
4-Nitrophenol	16.4	10	µg/L	50.0		32.7	10-130	7.64	50		‡
N-Nitrosodiphenylamine	48.8	10	µg/L	50.0		97.6	40-140	2.71	20		
N-Nitrosodi-n-propylamine	36.9	10	µg/L	50.0		73.7	40-140	5.10	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C												
LCS Dup (B199933-BSD1)				Prepared: 03/31/18 Analyzed: 04/03/18								
Pentachloronitrobenzene	40.5	10	µg/L	50.0		80.9		40-140	0.222	20	V-16	
Phenol	19.4	10	µg/L	50.0		38.8		20-130	11.7	20		
Pyridine	14.5	5.0	µg/L	50.0		29.0		10-140	34.6	50		†
1,2,4,5-Tetrachlorobenzene	38.2	10	µg/L	50.0		76.4		40-140	2.48	20		
1,2,4-Trichlorobenzene	34.1	5.0	µg/L	50.0		68.2		40-140	6.56	20		
2,4,5-Trichlorophenol	40.2	10	µg/L	50.0		80.5		30-130	1.76	20		
2,4,6-Trichlorophenol	37.5	10	µg/L	50.0		75.1		30-130	4.89	50		
Surrogate: 2-Fluorophenol	*102*		µg/L	200		50.9		15-110				
Surrogate: Phenol-d6	*76.6*		µg/L	200		38.3		15-110				
Surrogate: Nitrobenzene-d5	*71.6*		µg/L	100		71.6		30-130				
Surrogate: 2-Fluorobiphenyl	*72.6*		µg/L	101		71.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.5		15-110				
Surrogate: p-Terphenyl-d14	*77.7*		µg/L	101		76.9		30-130				
Batch B200090 - SW-846 3510C												
Blank (B200090-BLK1)				Prepared: 03/31/31 Analyzed: 04/03/18								
Acenaphthene (SIM)	ND	0.30	µg/L									
Acenaphthylene (SIM)	ND	0.30	µg/L									
Anthracene (SIM)	ND	0.20	µg/L									
Benzo(a)anthracene (SIM)	ND	0.050	µg/L									
Benzo(a)pyrene (SIM)	ND	0.10	µg/L									
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L									
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L									
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L									
Chrysene (SIM)	ND	0.20	µg/L									
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L									
Fluoranthene (SIM)	ND	0.50	µg/L									
Fluorene (SIM)	ND	1.0	µg/L									
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L									
2-Methylnaphthalene (SIM)	ND	1.0	µg/L									
Naphthalene (SIM)	ND	1.0	µg/L									
Pentachlorophenol (SIM)	ND	1.0	µg/L									
Phenanthrene (SIM)	ND	0.050	µg/L									
Pyrene (SIM)	ND	1.0	µg/L									
Surrogate: 2-Fluorophenol	*136*		µg/L	200		67.8		15-110				
Surrogate: Phenol-d6	*105*		µg/L	200		52.7		15-110				
Surrogate: Nitrobenzene-d5	*102*		µg/L	100		102		30-130				
Surrogate: 2-Fluorobiphenyl	*82.6*		µg/L	101		81.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*251*		µg/L	200		**126**	*	15-110			S-17	
Surrogate: p-Terphenyl-d14	*84.3*		µg/L	101		83.4		30-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200090 - SW-846 3510C										
LCS (B200090-BS1)				Prepared: 03/31/31 Analyzed: 04/03/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.1	40-140			
Acenaphthylene (SIM)	46.2	7.5	µg/L	50.0		92.4	40-140			
Anthracene (SIM)	48.2	5.0	µg/L	50.0		96.4	40-140			
Benzo(a)anthracene (SIM)	46.5	1.2	µg/L	50.0		93.0	40-140			
Benzo(a)pyrene (SIM)	48.6	2.5	µg/L	50.0		97.3	40-140			
Benzo(b)fluoranthene (SIM)	49.5	1.2	µg/L	50.0		99.0	40-140			
Benzo(g,h,i)perylene (SIM)	48.1	12	µg/L	50.0		96.2	40-140			
Benzo(k)fluoranthene (SIM)	48.4	5.0	µg/L	50.0		96.7	40-140			
Chrysene (SIM)	45.6	5.0	µg/L	50.0		91.2	40-140			
Dibenz(a,h)anthracene (SIM)	50.2	5.0	µg/L	50.0		100	40-140			
Fluoranthene (SIM)	49.8	12	µg/L	50.0		99.5	40-140			
Fluorene (SIM)	46.8	25	µg/L	50.0		93.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	49.8	5.0	µg/L	50.0		99.6	40-140			
2-Methylnaphthalene (SIM)	42.6	25	µg/L	50.0		85.1	40-140			
Naphthalene (SIM)	43.1	25	µg/L	50.0		86.2	40-140			
Pentachlorophenol (SIM)	48.6	25	µg/L	50.0		97.2	40-140			
Phenanthrene (SIM)	45.7	1.2	µg/L	50.0		91.4	40-140			
Pyrene (SIM)	44.6	25	µg/L	50.0		89.2	40-140			
Surrogate: 2-Fluorophenol	*120*		µg/L	200		60.2	15-110			
Surrogate: Phenol-d6	*110*		µg/L	200		55.2	15-110			
Surrogate: Nitrobenzene-d5	*101*		µg/L	100		101	30-130			
Surrogate: 2-Fluorobiphenyl	*81.7*		µg/L	101		80.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*168*		µg/L	200		83.8	15-110			
Surrogate: p-Terphenyl-d14	*68.6*		µg/L	101		67.9	30-130			
LCS Dup (B200090-BSD1)				Prepared: 03/31/31 Analyzed: 04/03/18						
Acenaphthene (SIM)	43.6	7.5	µg/L	50.0		87.2	40-140	3.21	20	
Acenaphthylene (SIM)	44.7	7.5	µg/L	50.0		89.4	40-140	3.30	20	
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140	3.54	20	
Benzo(a)anthracene (SIM)	44.8	1.2	µg/L	50.0		89.5	40-140	3.89	20	
Benzo(a)pyrene (SIM)	46.5	2.5	µg/L	50.0		93.0	40-140	4.47	20	
Benzo(b)fluoranthene (SIM)	47.2	1.2	µg/L	50.0		94.4	40-140	4.76	20	
Benzo(g,h,i)perylene (SIM)	46.0	12	µg/L	50.0		92.1	40-140	4.35	20	
Benzo(k)fluoranthene (SIM)	46.1	5.0	µg/L	50.0		92.2	40-140	4.76	20	
Chrysene (SIM)	43.7	5.0	µg/L	50.0		87.4	40-140	4.25	20	
Dibenz(a,h)anthracene (SIM)	48.2	5.0	µg/L	50.0		96.4	40-140	4.11	20	
Fluoranthene (SIM)	48.0	12	µg/L	50.0		96.0	40-140	3.58	20	
Fluorene (SIM)	45.4	25	µg/L	50.0		90.8	40-140	3.09	20	
Indeno(1,2,3-cd)pyrene (SIM)	47.7	5.0	µg/L	50.0		95.4	40-140	4.36	20	‡
2-Methylnaphthalene (SIM)	41.1	25	µg/L	50.0		82.2	40-140	3.41	20	
Naphthalene (SIM)	41.4	25	µg/L	50.0		82.7	40-140	4.14	20	
Pentachlorophenol (SIM)	47.0	25	µg/L	50.0		94.1	40-140	3.19	20	
Phenanthrene (SIM)	44.0	1.2	µg/L	50.0		88.1	40-140	3.73	20	
Pyrene (SIM)	42.7	25	µg/L	50.0		85.4	40-140	4.47	20	
Surrogate: 2-Fluorophenol	*90.6*		µg/L	200		45.3	15-110			
Surrogate: Phenol-d6	*95.2*		µg/L	200		47.6	15-110			
Surrogate: Nitrobenzene-d5	*95.9*		µg/L	100		95.9	30-130			
Surrogate: 2-Fluorobiphenyl	*78.4*		µg/L	101		77.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	200		72.6	15-110			
Surrogate: p-Terphenyl-d14	*66.1*		µg/L	101		65.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200037 - SW-846 3510C										
Blank (B200037-BLK1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.25*		µg/L	2.00		62.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.21*		µg/L	2.00		60.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.7	30-150			
LCS (B200037-BS1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Aroclor-1016	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.1	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.8	40-140			
Surrogate: Decachlorobiphenyl	*1.36*		µg/L	2.00		67.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.35*		µg/L	2.00		67.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.68*		µg/L	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/L	2.00		87.5	30-150			
LCS Dup (B200037-BSD1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Aroclor-1016	0.52	0.20	µg/L	0.500		105	40-140	3.06	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140	6.83	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		92.2	40-140	0.0304	20	
Aroclor-1260 [2C]	0.47	0.20	µg/L	0.500		93.3	40-140	3.78	20	
Surrogate: Decachlorobiphenyl	*0.800*		µg/L	2.00		40.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.801*		µg/L	2.00		40.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		83.9	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199941 - SW-846 3510C										
Blank (B199941-BLK1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0823*		mg/L	0.100		82.3	50-150			
LCS (B199941-BS1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	0.618	0.075	mg/L	1.00		61.8	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0661*		mg/L	0.100		66.1	50-150			
LCS Dup (B199941-BSD1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	0.670	0.075	mg/L	1.00		67.0	60-120	8.07	30	
Surrogate: 2-Fluorobiphenyl	*0.0726*		mg/L	0.100		72.6	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200000 - SW-846 3005A										
Blank (B200000-BLK1)				Prepared & Analyzed: 04/03/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B200000-BS1)				Prepared & Analyzed: 04/03/18						
Arsenic	569	4.0	µg/L	500		114	80-120			
Barium	555	100	µg/L	500		111	80-120			
Cadmium	560	5.0	µg/L	500		112	80-120			
Chromium	586	10	µg/L	500		117	80-120			
Lead	561	10	µg/L	500		112	80-120			
Selenium	557	50	µg/L	500		111	80-120			
Silver	567	5.0	µg/L	500		113	80-120			
LCS Dup (B200000-BSD1)				Prepared & Analyzed: 04/03/18						
Arsenic	560	4.0	µg/L	500		112	80-120	1.64	20	
Barium	545	100	µg/L	500		109	80-120	1.64	20	
Cadmium	547	5.0	µg/L	500		109	80-120	2.31	20	
Chromium	573	10	µg/L	500		115	80-120	2.36	20	
Lead	546	10	µg/L	500		109	80-120	2.80	20	
Selenium	551	50	µg/L	500		110	80-120	1.08	20	
Silver	563	5.0	µg/L	500		113	80-120	0.775	20	
Batch B200084 - SW-846 7470A Prep										
Blank (B200084-BLK1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	ND	0.00010	mg/L							
LCS (B200084-BS1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	0.00181	0.00010	mg/L	0.00200		90.4	80-120			
LCS Dup (B200084-BSD1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	0.00186	0.00010	mg/L	0.00200		92.9	80-120	2.77	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
S-17	Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020A-B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	1,4-Dioxane	# of Containers	[2] Preservation Code	[3] Container Code
								3 H V	2 I A	2 I A	2 I A	1 N P	1 I P			
1	MW-TRW1	3/30/18	0900		X	GW	U	X	X	X		X				
2	MW-T3		1020							X						
3	MW-15		915					X	X	X						
4	MW-AIR-1		1020								X					
5	MW-200		1140					X	X	X						
6	MW-CCA5		1220					X	X	X						
7	TRIP Blank		—					X								

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Weston & Sampson directly.

(2) Please send copy of results to Paul Boison (Paul.Boison@eversource.com) at Eversource Energy.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 3/30/18
Received by: (signature)	Date/Time: 3/30/18 1400
Relinquished by: (signature)	Date/Time: 3/30/18 1700
Received by: (signature)	Date/Time: 3/30/18 17:00
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client W+S

Received By SE Date 3/30/18 Time 17:00

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 3.0, 4.1 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? T Acid pH<2 Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	20	1 Liter Plastic		16 oz Amb.	
HCL-	14	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

- Received in 2 coolers

D:\HPCHEM\1\DATA\A040518.SEC\A0405019.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405019.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/5/2018 11:46
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	670728	712554	6
c - 10	1.52	685231	712554	4
c - 12	2.23	699551	712554	2
c - 14	2.89	720812	712554	-1
c - 16	3.49	732797	712554	-3
c - 18	4.07	733737	712554	-3
c - 20	4.69	739331	712554	-4
c - 22	5.20	740230	712554	-4
c - 24	5.64	731290	712554	-3
c - 26	6.04	723371	712554	-2
c - 28	6.39	720671	712554	-1
c - 30	6.73	723970	712554	-2
c - 32	7.04	697803	712554	2
c - 34	7.33	685383	712554	4
c - 36	7.61	683400	712554	4

*One compound allowed %D </=50%

Samples

18C1276-01
18C1276-02
18C1276-03
18C1276-04
18C1276-05
18C1266-03
18C1266-05
18C1266-06
18C1266-01
18C1277-16
18C1277-15

D:\HPCHEM\1\DATA\A040518.SEC\A0405089.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405089.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/5/2018 10:58
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	603855	638386	5
c - 10	1.52	617778	638386	3
c - 12	2.23	631394	638386	1
c - 14	2.89	648818	638386	-2
c - 16	3.49	657586	638386	-3
c - 18	4.07	657033	638386	-3
c - 20	4.68	660585	638386	-3
c - 22	5.20	662094	638386	-4
c - 24	5.64	655458	638386	-3
c - 26	6.03	649879	638386	-2
c - 28	6.39	649079	638386	-2
c - 30	6.73	652958	638386	-2
c - 32	7.04	626331	638386	2
c - 34	7.33	606031	638386	5
c - 36	7.61	596908	638386	6

*One compound allowed %D </=50%

Samples

18D0104-01
18D0107-01@10X
18D0110-01@10X

D:\HPCHEM\1\DATA\A040518.SEC\A0405107.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405107.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/6/2018 1:37
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	727849	766020	5
c - 10	1.52	737168	766020	4
c - 12	2.23	751441	766020	2
c - 14	2.89	773256	766020	-1
c - 16	3.49	786432	766020	-3
c - 18	4.07	787932	766020	-3
c - 20	4.68	793291	766020	-4
c - 22	5.20	795722	766020	-4
c - 24	5.64	788151	766020	-3
c - 26	6.03	781901	766020	-2
c - 28	6.39	781574	766020	-2
c - 30	6.73	786276	766020	-3
c - 32	7.04	753957	766020	2
c - 34	7.33	729202	766020	5
c - 36	7.61	716147	766020	7

Samples
18C1277-12
18C1277-14
18C1266-02@5X

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18C1266

Laboratory Sample ID(s):

18C1266-01 thru 18C1266-07

Sample Date(s):

03/30/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 04/09/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 13, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18F0263

Enclosed are results of analyses for samples received by the laboratory on June 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 6/13/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18F0263

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-201	18F0263-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18F0263-02	Ground Water		CTDEP ETPH	
MW-203	18F0263-03	Ground Water		CTDEP ETPH	
MW-15	18F0263-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-16	18F0263-05	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA2	18F0263-06	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA3	18F0263-07	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA4	18F0263-08	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
DUP-1	18F0263-09	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18F0263-10	Trip Blank Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

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SW-846 8260C

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
18F0263-01[MW-201], 18F0263-04[MW-15], 18F0263-05[MW-16], 18F0263-06[MW-CCA2], 18F0263-09[DUP-1], 18F0263-10[Trip Blank], B205197-BLK1, B205197-BS1, S024064-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
B205197-BS1, S024064-CCV1

SW-846 8270D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1]

Pentachlorophenol
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
18F0263-09[DUP-1], B205305-BLK1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether
B205128-BS1, B205128-BSD1

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V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

4-Chloroaniline

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

N-Nitrosodiphenylamine

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

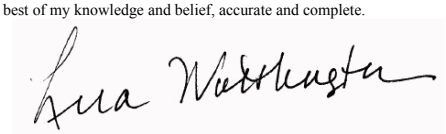
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.6	70-130		6/8/18 12:31
Toluene-d8	98.7	70-130		6/8/18 12:31
4-Bromofluorobenzene	98.8	70-130		6/8/18 12:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		6/8/18 18:04
Decachlorobiphenyl [2]	85.5	30-150		6/8/18 18:04
Tetrachloro-m-xylene [1]	75.1	30-150		6/8/18 18:04
Tetrachloro-m-xylene [2]	77.2	30-150		6/8/18 18:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:13	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	99.7	50-150				6/8/18 16:13	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-202 | Sampled: 6/6/2018 12:20

Sample ID: 18F0263-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.25	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 19:48	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	92.9	50-150		6/8/18 19:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-203 | Sampled: 6/6/2018 13:00

Sample ID: 18F0263-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:31	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	90.8	50-150		6/8/18 16:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.9	70-130		6/8/18 13:02
Toluene-d8	99.6	70-130		6/8/18 13:02
4-Bromofluorobenzene	98.5	70-130		6/8/18 13:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.0	30-150		6/8/18 18:21
Decachlorobiphenyl [2]	59.1	30-150		6/8/18 18:21
Tetrachloro-m-xylene [1]	71.8	30-150		6/8/18 18:21
Tetrachloro-m-xylene [2]	73.4	30-150		6/8/18 18:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:49	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	91.9	50-150		6/8/18 16:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
1,2-Dichloroethane-d4	92.3	70-130				6/8/18 13:33
Toluene-d8	99.5	70-130				6/8/18 13:33
4-Bromofluorobenzene	99.7	70-130				6/8/18 13:33

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.6	15-110		6/9/18 1:48
2-Fluorophenol	46.4	15-110		6/11/18 19:25
Phenol-d6	34.6	15-110		6/11/18 19:25
Phenol-d6	34.0	15-110		6/9/18 1:48
Nitrobenzene-d5	71.4	30-130		6/9/18 1:48
Nitrobenzene-d5	63.6	30-130		6/11/18 19:25
2-Fluorobiphenyl	65.3	30-130		6/9/18 1:48
2-Fluorobiphenyl	65.5	30-130		6/11/18 19:25
2,4,6-Tribromophenol	101	15-110		6/9/18 1:48
2,4,6-Tribromophenol	91.4	15-110		6/11/18 19:25
p-Terphenyl-d14	69.7	30-130		6/9/18 1:48
p-Terphenyl-d14	86.6	30-130		6/11/18 19:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		6/8/18 18:38
Decachlorobiphenyl [2]	88.4	30-150		6/8/18 18:38
Tetrachloro-m-xylene [1]	74.6	30-150		6/8/18 18:38
Tetrachloro-m-xylene [2]	76.0	30-150		6/8/18 18:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:07	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	90.2	50-150		6/8/18 17:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:52	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:07	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	6/6/18	6/6/18 22:17	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		6/8/18 14:04
Toluene-d8	99.4	70-130		6/8/18 14:04
4-Bromofluorobenzene	98.9	70-130		6/8/18 14:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.2	30-150		6/8/18 18:56
Decachlorobiphenyl [2]	91.2	30-150		6/8/18 18:56
Tetrachloro-m-xylene [1]	76.6	30-150		6/8/18 18:56
Tetrachloro-m-xylene [2]	79.0	30-150		6/8/18 18:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:25	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	93.2	50-150		6/8/18 17:25

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.7	15-110		6/11/18 19:50
2-Fluorophenol	54.6	15-110		6/9/18 3:12
Phenol-d6	40.8	15-110		6/11/18 19:50
Phenol-d6	33.7	15-110		6/9/18 3:12
Nitrobenzene-d5	73.4	30-130		6/11/18 19:50
Nitrobenzene-d5	71.7	30-130		6/9/18 3:12
2-Fluorobiphenyl	64.6	30-130		6/11/18 19:50
2-Fluorobiphenyl	61.7	30-130		6/9/18 3:12
2,4,6-Tribromophenol	87.8	15-110		6/11/18 19:50
2,4,6-Tribromophenol	92.1	15-110		6/9/18 3:12
p-Terphenyl-d14	83.3	30-130		6/11/18 19:50
p-Terphenyl-d14	66.7	30-130		6/9/18 3:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:43	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	96.5	50-150					6/8/18 17:43	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Barium	150	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:56	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:04	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	6/6/18	6/6/18 22:17	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.4	15-110		6/9/18 3:40
2-Fluorophenol	44.5	15-110		6/11/18 20:15
Phenol-d6	32.3	15-110		6/9/18 3:40
Phenol-d6	32.9	15-110		6/11/18 20:15
Nitrobenzene-d5	67.4	30-130		6/9/18 3:40
Nitrobenzene-d5	59.8	30-130		6/11/18 20:15
2-Fluorobiphenyl	62.2	30-130		6/9/18 3:40
2-Fluorobiphenyl	60.0	30-130		6/11/18 20:15
2,4,6-Tribromophenol	98.2	15-110		6/9/18 3:40
2,4,6-Tribromophenol	86.6	15-110		6/11/18 20:15
p-Terphenyl-d14	65.0	30-130		6/9/18 3:40
p-Terphenyl-d14	79.6	30-130		6/11/18 20:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 18:01	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	96.6	50-150					6/8/18 18:01	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:59	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:13	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	6/6/18	6/6/18 22:17	LED

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.4	70-130		6/8/18 14:34
Toluene-d8	98.5	70-130		6/8/18 14:34
4-Bromofluorobenzene	98.2	70-130		6/8/18 14:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Aniline	ND	5.0	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
2-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	71.0		15-110		6/9/18 4:08
2-Fluorophenol	55.9		15-110		6/11/18 20:39
Phenol-d6	39.2		15-110		6/11/18 20:39
Phenol-d6	44.5		15-110		6/9/18 4:08
Nitrobenzene-d5	94.6		30-130		6/11/18 20:39
Nitrobenzene-d5	101		30-130		6/9/18 4:08
2-Fluorobiphenyl	89.5		30-130		6/9/18 4:08
2-Fluorobiphenyl	75.9		30-130		6/11/18 20:39
2,4,6-Tribromophenol	**123**	*	15-110	S-07	6/9/18 4:08
2,4,6-Tribromophenol	104		15-110		6/11/18 20:39
p-Terphenyl-d14	93.5		30-130		6/11/18 20:39
p-Terphenyl-d14	85.8		30-130		6/9/18 4:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.1	30-150		6/8/18 19:13
Decachlorobiphenyl [2]	90.1	30-150		6/8/18 19:13
Tetrachloro-m-xylene [1]	78.8	30-150		6/8/18 19:13
Tetrachloro-m-xylene [2]	80.8	30-150		6/8/18 19:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.099	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 18:19	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	97.4	50-150				6/8/18 18:19	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 12:03	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:15	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	6/6/18	6/6/18 22:17	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: Trip Blank | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: Trip Blank | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		6/8/18 10:59
Toluene-d8	99.9	70-130		6/8/18 10:59
4-Bromofluorobenzene	98.2	70-130		6/8/18 10:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205195	1000	1.00	06/07/18
18F0263-02 [MW-202]	B205195	1000	1.00	06/07/18
18F0263-03 [MW-203]	B205195	1000	1.00	06/07/18
18F0263-04 [MW-15]	B205195	1000	1.00	06/07/18
18F0263-05 [MW-16]	B205195	1000	1.00	06/07/18
18F0263-06 [MW-CCA2]	B205195	1000	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205195	1000	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205195	1000	1.00	06/07/18
18F0263-09 [DUP-1]	B205195	1000	1.00	06/07/18

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205450	50.0	50.0	06/11/18
18F0263-07 [MW-CCA3]	B205450	50.0	50.0	06/11/18
18F0263-08 [MW-CCA4]	B205450	50.0	50.0	06/11/18
18F0263-09 [DUP-1]	B205450	50.0	50.0	06/11/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205112	50.0	50.0	06/06/18
18F0263-07 [MW-CCA3]	B205112	50.0	50.0	06/06/18
18F0263-08 [MW-CCA4]	B205112	50.0	50.0	06/06/18
18F0263-09 [DUP-1]	B205112	50.0	50.0	06/06/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205487	6.00	6.00	06/12/18
18F0263-07 [MW-CCA3]	B205487	6.00	6.00	06/12/18
18F0263-08 [MW-CCA4]	B205487	6.00	6.00	06/12/18
18F0263-09 [DUP-1]	B205487	6.00	6.00	06/12/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205127	1030	10.0	06/07/18
18F0263-04 [MW-15]	B205127	1000	10.0	06/07/18
18F0263-05 [MW-16]	B205127	1000	10.0	06/07/18
18F0263-06 [MW-CCA2]	B205127	1030	10.0	06/07/18
18F0263-09 [DUP-1]	B205127	1020	10.0	06/07/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205197	5	5.00	06/07/18
18F0263-04 [MW-15]	B205197	5	5.00	06/07/18
18F0263-05 [MW-16]	B205197	5	5.00	06/07/18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-06 [MW-CCA2]	B205197	5	5.00	06/07/18
18F0263-09 [DUP-1]	B205197	5	5.00	06/07/18
18F0263-10 [Trip Blank]	B205197	5	5.00	06/07/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205128	1050	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205128	1050	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205128	1050	1.00	06/07/18
18F0263-09 [DUP-1]	B205128	1000	1.00	06/07/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205305	1050	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205305	1050	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205305	1050	1.00	06/07/18
18F0263-09 [DUP-1]	B205305	1000	1.00	06/07/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18F0263-05 [MW-16]	B205450	50.0	06/11/18
18F0263-07 [MW-CCA3]	B205450	50.0	06/11/18
18F0263-08 [MW-CCA4]	B205450	50.0	06/11/18
18F0263-09 [DUP-1]	B205450	50.0	06/11/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205197 - SW-846 5030B										
Blank (B205197-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							V-05
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205197 - SW-846 5030B										
Blank (B205197-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.0	70-130			
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.6	70-130			
LCS (B205197-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Acetone	84.0	10	µg/L	100		84.0	70-130			
Acrylonitrile	9.83	2.0	µg/L	10.0		98.3	70-130			
Benzene	9.11	0.50	µg/L	10.0		91.1	70-130			
Bromobenzene	9.95	0.50	µg/L	10.0		99.5	70-130			
Bromodichloromethane	9.15	0.50	µg/L	10.0		91.5	70-130			
Bromoform	9.94	0.50	µg/L	10.0		99.4	70-130			
Bromomethane	8.00	1.0	µg/L	10.0		80.0	70-130			V-05
2-Butanone (MEK)	90.5	5.0	µg/L	100		90.5	70-130			
n-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
sec-Butylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130			
tert-Butylbenzene	9.14	1.0	µg/L	10.0		91.4	70-130			
Carbon Disulfide	96.7	5.0	µg/L	100		96.7	70-130			
Carbon Tetrachloride	8.95	0.50	µg/L	10.0		89.5	70-130			
Chlorobenzene	9.87	0.50	µg/L	10.0		98.7	70-130			
Chlorodibromomethane	9.47	0.50	µg/L	10.0		94.7	70-130			
Chloroethane	9.83	0.50	µg/L	10.0		98.3	70-130			
Chloroform	9.25	0.50	µg/L	10.0		92.5	70-130			
Chloromethane	8.42	0.60	µg/L	10.0		84.2	70-130			
2-Chlorotoluene	9.76	0.50	µg/L	10.0		97.6	70-130			
4-Chlorotoluene	9.57	0.50	µg/L	10.0		95.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.85	2.0	µg/L	10.0		88.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	9.39	0.50	µg/L	10.0		93.9	70-130			
1,2-Dichlorobenzene	9.92	0.50	µg/L	10.0		99.2	70-130			
1,3-Dichlorobenzene	9.79	0.50	µg/L	10.0		97.9	70-130			
1,4-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9	70-130			
trans-1,4-Dichloro-2-butene	8.34	2.0	µg/L	10.0		83.4	70-130			
Dichlorodifluoromethane (Freon 12)	7.82	0.50	µg/L	10.0		78.2	70-130			V-34
1,1-Dichloroethane	9.14	0.50	µg/L	10.0		91.4	70-130			
1,2-Dichloroethane	9.30	0.50	µg/L	10.0		93.0	70-130			
1,1-Dichloroethylene	9.29	0.50	µg/L	10.0		92.9	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205197 - SW-846 5030B										
LCS (B205197-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
cis-1,2-Dichloroethylene	9.13	0.50	µg/L	10.0		91.3	70-130			
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130			
1,2-Dichloropropane	9.89	0.50	µg/L	10.0		98.9	70-130			
1,3-Dichloropropane	9.91	0.50	µg/L	10.0		99.1	70-130			
2,2-Dichloropropane	8.61	0.50	µg/L	10.0		86.1	70-130			
1,1-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130			
cis-1,3-Dichloropropene	9.32	0.50	µg/L	10.0		93.2	70-130			
trans-1,3-Dichloropropene	9.19	0.50	µg/L	10.0		91.9	70-130			
Ethylbenzene	9.65	0.50	µg/L	10.0		96.5	70-130			
Hexachlorobutadiene	11.2	1.0	µg/L	10.0		112	70-130			
2-Hexanone (MBK)	94.5	5.0	µg/L	100		94.5	70-130			
Isopropylbenzene (Cumene)	9.55	0.50	µg/L	10.0		95.5	70-130			
p-Isopropyltoluene (p-Cymene)	9.38	0.50	µg/L	10.0		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.09	0.50	µg/L	10.0		90.9	70-130			
Methylene Chloride	8.13	5.0	µg/L	10.0		81.3	70-130			
4-Methyl-2-pentanone (MIBK)	92.1	5.0	µg/L	100		92.1	70-130			
Naphthalene	8.00	2.0	µg/L	10.0		80.0	70-130			
n-Propylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
Styrene	9.78	1.0	µg/L	10.0		97.8	70-130			
1,1,1,2-Tetrachloroethane	9.99	0.50	µg/L	10.0		99.9	70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Tetrahydrofuran	8.63	10	µg/L	10.0		86.3	70-130			
Toluene	9.30	1.0	µg/L	10.0		93.0	70-130			
1,2,3-Trichlorobenzene	9.03	1.0	µg/L	10.0		90.3	70-130			
1,2,4-Trichlorobenzene	9.00	0.50	µg/L	10.0		90.0	70-130			
1,1,1-Trichloroethane	8.96	0.50	µg/L	10.0		89.6	70-130			
1,1,2-Trichloroethane	9.86	0.50	µg/L	10.0		98.6	70-130			
Trichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130			
Trichlorofluoromethane (Freon 11)	8.78	2.0	µg/L	10.0		87.8	70-130			
1,2,3-Trichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	0.50	µg/L	10.0		100	70-130			
1,2,4-Trimethylbenzene	9.07	0.50	µg/L	10.0		90.7	70-130			
1,3,5-Trimethylbenzene	9.45	0.50	µg/L	10.0		94.5	70-130			
Vinyl Chloride	9.56	1.0	µg/L	10.0		95.6	70-130			
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130			
o-Xylene	9.53	1.0	µg/L	10.0		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.9	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205128 - SW-846 3510C										
Blank (B205128-BLK1)				Prepared: 06/07/18 Analyzed: 06/11/18						
Aniline	ND	5.0	µg/L							V-04
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-20
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							L-04
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							R-05
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							V-35
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*91.3*		µg/L	200		45.7	15-110			
Surrogate: Phenol-d6	*66.1*		µg/L	200		33.1	15-110			
Surrogate: Nitrobenzene-d5	*67.8*		µg/L	100		67.8	30-130			
Surrogate: 2-Fluorobiphenyl	*60.8*		µg/L	101		60.2	30-130			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B205128 - SW-846 3510C												
Blank (B205128-BLK1)				Prepared: 06/07/18 Analyzed: 06/11/18								
Surrogate: 2,4,6-Tribromophenol	*182*		µg/L	200		90.9		15-110				
Surrogate: p-Terphenyl-d14	*85.7*		µg/L	101		84.9		30-130				
LCS (B205128-BS1)				Prepared: 06/07/18 Analyzed: 06/11/18								
Aniline	52.2	5.0	µg/L	50.0		104		40-140			V-04	†
Bis(2-chloroethoxy)methane	46.1	10	µg/L	50.0		92.1		40-140				
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.6		40-140				
Bis(2-chloroisopropyl)ether	55.0	10	µg/L	50.0		110		40-140			V-06	
Bis(2-Ethylhexyl)phthalate	40.7	10	µg/L	50.0		81.4		40-140				
4-Bromophenylphenylether	39.9	10	µg/L	50.0		79.7		40-140				
Butylbenzylphthalate	41.3	10	µg/L	50.0		82.5		40-140				
Carbazole	37.8	10	µg/L	50.0		75.6		40-140				
4-Chloroaniline	35.3	10	µg/L	50.0		70.6		40-140			V-34	†
4-Chloro-3-methylphenol	40.4	10	µg/L	50.0		80.8		30-130				
2-Chloronaphthalene	33.6	10	µg/L	50.0		67.2		40-140				
2-Chlorophenol	38.4	10	µg/L	50.0		76.8		30-130				
4-Chlorophenylphenylether	40.1	10	µg/L	50.0		80.2		40-140				
Dibenzofuran	39.5	5.0	µg/L	50.0		79.0		40-140				
Di-n-butylphthalate	40.2	10	µg/L	50.0		80.5		40-140				
3,3-Dichlorobenzidine	39.1	10	µg/L	51.9		75.4		40-140			V-34	†
2,4-Dichlorophenol	36.1	10	µg/L	50.0		72.2		30-130				
Diethylphthalate	42.5	10	µg/L	50.0		85.0		40-140				
2,4-Dimethylphenol	36.5	10	µg/L	50.0		73.1		30-130				
Dimethylphthalate	45.6	10	µg/L	50.0		91.2		40-140				
4,6-Dinitro-2-methylphenol	37.6	10	µg/L	50.0		75.3		30-130				
2,4-Dinitrophenol	38.2	10	µg/L	50.0		76.5		30-130				
2,4-Dinitrotoluene	40.6	10	µg/L	50.0		81.3		40-140				
2,6-Dinitrotoluene	44.0	10	µg/L	50.0		88.0		40-140				
Di-n-octylphthalate	39.8	10	µg/L	50.0		79.5		40-140				
Hexachlorobenzene	38.8	10	µg/L	50.0		77.5		40-140				
Hexachlorobutadiene	17.5	10	µg/L	50.0		**34.9**	*	40-140			L-04	
Hexachlorocyclopentadiene	22.0	10	µg/L	50.0		44.0		30-140				
Hexachloroethane	21.2	10	µg/L	50.0		42.4		40-140				
Isophorone	45.1	10	µg/L	50.0		90.2		40-140				
2-Methylphenol	41.0	10	µg/L	50.0		82.0		30-130				
3/4-Methylphenol	38.7	10	µg/L	50.0		77.5		30-130				
2-Nitroaniline	52.6	10	µg/L	50.0		105		40-140			R-05	
3-Nitroaniline	42.9	10	µg/L	50.0		85.8		40-140				†
4-Nitroaniline	44.3	10	µg/L	50.0		88.5		40-140				
Nitrobenzene	37.6	10	µg/L	50.0		75.3		40-140				
2-Nitrophenol	34.7	10	µg/L	50.0		69.4		30-130				
4-Nitrophenol	19.6	10	µg/L	50.0		39.3		10-130				
N-Nitrosodiphenylamine	47.4	10	µg/L	50.0		94.7		40-140			V-35	
N-Nitrosodi-n-propylamine	47.8	10	µg/L	50.0		95.5		40-140				
Pentachloronitrobenzene	40.7	10	µg/L	50.0		81.4		40-140			V-16	
Pentachlorophenol	28.2	10	µg/L	50.0		56.3		30-130				
Phenol	19.6	10	µg/L	50.0		39.1		20-130				
Pyridine	19.6	5.0	µg/L	50.0		39.1		10-140				†
1,2,4,5-Tetrachlorobenzene	33.2	10	µg/L	50.0		66.3		40-140				
1,2,4-Trichlorobenzene	22.2	5.0	µg/L	50.0		44.3		40-140				
2,4,5-Trichlorophenol	41.6	10	µg/L	50.0		83.2		30-130				
2,4,6-Trichlorophenol	42.1	10	µg/L	50.0		84.3		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B205128 - SW-846 3510C													
LCS (B205128-BS1)				Prepared: 06/07/18 Analyzed: 06/11/18									
Surrogate: 2-Fluorophenol	*110*		µg/L	200		54.8		15-110					
Surrogate: Phenol-d6	*80.8*		µg/L	200		40.4		15-110					
Surrogate: Nitrobenzene-d5	*79.8*		µg/L	100		79.8		30-130					
Surrogate: 2-Fluorobiphenyl	*75.8*		µg/L	101		75.1		30-130					
Surrogate: 2,4,6-Tribromophenol	*199*		µg/L	200		99.4		15-110					
Surrogate: p-Terphenyl-d14	*87.8*		µg/L	101		86.9		30-130					
LCS Dup (B205128-BSD1)				Prepared: 06/07/18 Analyzed: 06/11/18									
Aniline	54.9	5.0	µg/L	50.0		110		40-140	5.21		50	V-04	† ‡
Bis(2-chloroethoxy)methane	45.0	10	µg/L	50.0		89.9		40-140	2.46		20		
Bis(2-chloroethyl)ether	43.4	10	µg/L	50.0		86.8		40-140	4.98		20		
Bis(2-chloroisopropyl)ether	57.5	10	µg/L	50.0		115		40-140	4.39		20	V-06	
Bis(2-Ethylhexyl)phthalate	40.5	10	µg/L	50.0		81.0		40-140	0.443		20		
4-Bromophenylphenylether	41.2	10	µg/L	50.0		82.4		40-140	3.26		20		
Butylbenzylphthalate	40.9	10	µg/L	50.0		81.8		40-140	0.876		20		
Carbazole	37.4	10	µg/L	50.0		74.8		40-140	1.04		20		
4-Chloroaniline	34.2	10	µg/L	50.0		68.4		40-140	3.14		20	V-34	†
4-Chloro-3-methylphenol	39.1	10	µg/L	50.0		78.3		30-130	3.12		20		
2-Chloronaphthalene	31.9	10	µg/L	50.0		63.8		40-140	5.13		20		
2-Chlorophenol	40.3	10	µg/L	50.0		80.6		30-130	4.80		20		
4-Chlorophenylphenylether	40.1	10	µg/L	50.0		80.1		40-140	0.125		20		
Dibenzofuran	39.6	5.0	µg/L	50.0		79.1		40-140	0.127		20		
Di-n-butylphthalate	38.9	10	µg/L	50.0		77.7		40-140	3.46		20		
3,3-Dichlorobenzidine	38.0	10	µg/L	51.9		73.3		40-140	2.83		20	V-34	† ‡
2,4-Dichlorophenol	38.1	10	µg/L	50.0		76.2		30-130	5.50		20		
Diethylphthalate	41.2	10	µg/L	50.0		82.4		40-140	3.06		20		
2,4-Dimethylphenol	36.8	10	µg/L	50.0		73.6		30-130	0.763		20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.5		40-140	7.60		50		
4,6-Dinitro-2-methylphenol	38.6	10	µg/L	50.0		77.1		30-130	2.44		50		
2,4-Dinitrophenol	39.0	10	µg/L	50.0		78.0		30-130	1.92		50		
2,4-Dinitrotoluene	39.7	10	µg/L	50.0		79.3		40-140	2.42		20		
2,6-Dinitrotoluene	41.4	10	µg/L	50.0		82.8		40-140	6.07		20		
Di-n-octylphthalate	39.3	10	µg/L	50.0		78.6		40-140	1.16		20		
Hexachlorobenzene	39.8	10	µg/L	50.0		79.5		40-140	2.55		20		
Hexachlorobutadiene	18.2	10	µg/L	50.0		**36.5**	*	40-140	4.42		20	L-04	
Hexachlorocyclopentadiene	22.5	10	µg/L	50.0		45.0		30-140	2.16		50		
Hexachloroethane	22.0	10	µg/L	50.0		44.1		40-140	3.93		50		
Isophorone	41.6	10	µg/L	50.0		83.1		40-140	8.24		20		
2-Methylphenol	43.1	10	µg/L	50.0		86.3		30-130	5.09		20		
3/4-Methylphenol	40.3	10	µg/L	50.0		80.6		30-130	4.02		20		
2-Nitroaniline	42.3	10	µg/L	50.0		84.6		40-140	**21.7**	*	20	R-05	
3-Nitroaniline	41.7	10	µg/L	50.0		83.4		40-140	2.88		20		†
4-Nitroaniline	42.0	10	µg/L	50.0		83.9		40-140	5.36		20		
Nitrobenzene	42.2	10	µg/L	50.0		84.3		40-140	11.4		20		
2-Nitrophenol	36.0	10	µg/L	50.0		71.9		30-130	3.57		20		
4-Nitrophenol	18.3	10	µg/L	50.0		36.6		10-130	7.17		50		‡
N-Nitrosodiphenylamine	48.2	10	µg/L	50.0		96.5		40-140	1.86		20	V-35	
N-Nitrosodi-n-propylamine	49.4	10	µg/L	50.0		98.8		40-140	3.40		20		
Pentachloronitrobenzene	41.5	10	µg/L	50.0		83.0		40-140	1.87		20	V-16	
Pentachlorophenol	28.7	10	µg/L	50.0		57.4		30-130	1.83		50		
Phenol	20.7	10	µg/L	50.0		41.4		20-130	5.57		20		
Pyridine	20.3	5.0	µg/L	50.0		40.7		10-140	3.81		50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B205128 - SW-846 3510C											
LCS Dup (B205128-BSD1)				Prepared: 06/07/18 Analyzed: 06/11/18							
1,2,4,5-Tetrachlorobenzene	33.5	10	µg/L	50.0		67.1		40-140	1.11	20	
1,2,4-Trichlorobenzene	24.0	5.0	µg/L	50.0		48.1		40-140	8.05	20	
2,4,5-Trichlorophenol	41.7	10	µg/L	50.0		83.4		30-130	0.192	20	
2,4,6-Trichlorophenol	41.0	10	µg/L	50.0		82.0		30-130	2.72	50	
Surrogate: 2-Fluorophenol	*116*		µg/L	200		57.8		15-110			
Surrogate: Phenol-d6	*85.3*		µg/L	200		42.6		15-110			
Surrogate: Nitrobenzene-d5	*88.5*		µg/L	100		88.5		30-130			
Surrogate: 2-Fluorobiphenyl	*73.0*		µg/L	101		72.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		97.1		15-110			
Surrogate: p-Terphenyl-d14	*87.1*		µg/L	101		86.2		30-130			
Batch B205305 - SW-846 3510C											
Blank (B205305-BLK1)				Prepared: 06/07/18 Analyzed: 06/09/18							
Acenaphthene (SIM)	ND	0.30	µg/L								
Acenaphthylene (SIM)	ND	0.30	µg/L								
Anthracene (SIM)	ND	0.20	µg/L								
Benzo(a)anthracene (SIM)	ND	0.050	µg/L								
Benzo(a)pyrene (SIM)	ND	0.10	µg/L								
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L								
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L								
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L								
Chrysene (SIM)	ND	0.20	µg/L								
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L								
Fluoranthene (SIM)	ND	0.50	µg/L								
Fluorene (SIM)	ND	1.0	µg/L								
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L								
2-Methylnaphthalene (SIM)	ND	1.0	µg/L								
Naphthalene (SIM)	ND	1.0	µg/L								
Pentachlorophenol (SIM)	ND	1.0	µg/L								
Phenanthrene (SIM)	ND	0.050	µg/L								
Pyrene (SIM)	ND	1.0	µg/L								
Surrogate: 2-Fluorophenol	*132*		µg/L	200		66.0		15-110			
Surrogate: Phenol-d6	*82.0*		µg/L	200		41.0		15-110			
Surrogate: Nitrobenzene-d5	*89.4*		µg/L	100		89.4		30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	101		76.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*242*		µg/L	200		**121**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	101		79.4		30-130			
LCS (B205305-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18							
Acenaphthene (SIM)	32.4	7.5	µg/L	50.0		64.8		40-140			
Acenaphthylene (SIM)	33.8	7.5	µg/L	50.0		67.6		40-140			
Anthracene (SIM)	36.8	5.0	µg/L	50.0		73.6		40-140			
Benzo(a)anthracene (SIM)	36.2	1.2	µg/L	50.0		72.4		40-140			
Benzo(a)pyrene (SIM)	39.4	2.5	µg/L	50.0		78.7		40-140			
Benzo(b)fluoranthene (SIM)	40.8	1.2	µg/L	50.0		81.6		40-140			
Benzo(g,h,i)perylene (SIM)	40.2	12	µg/L	50.0		80.4		40-140			
Benzo(k)fluoranthene (SIM)	38.0	5.0	µg/L	50.0		76.0		40-140			
Chrysene (SIM)	35.2	5.0	µg/L	50.0		70.3		40-140			
Dibenz(a,h)anthracene (SIM)	42.2	5.0	µg/L	50.0		84.5		40-140			
Fluoranthene (SIM)	34.5	12	µg/L	50.0		69.0		40-140			
Fluorene (SIM)	35.0	25	µg/L	50.0		70.0		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	43.2	5.0	µg/L	50.0		86.4		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205305 - SW-846 3510C										
LCS (B205305-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
2-Methylnaphthalene (SIM)	28.3	25	µg/L	50.0		56.6	40-140			
Naphthalene (SIM)	25.6	25	µg/L	50.0		51.2	40-140			
Pentachlorophenol (SIM)	22.5	12	µg/L	50.0		45.0	40-140			
Phenanthrene (SIM)	35.2	1.2	µg/L	50.0		70.5	40-140			
Pyrene (SIM)	32.6	25	µg/L	50.0		65.1	40-140			
Surrogate: 2-Fluorophenol	*86.3*		µg/L	200		43.2	15-110			
Surrogate: Phenol-d6	*58.0*		µg/L	200		29.0	15-110			
Surrogate: Nitrobenzene-d5	*64.3*		µg/L	100		64.3	30-130			
Surrogate: 2-Fluorobiphenyl	*56.6*		µg/L	101		56.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*118*		µg/L	200		59.2	15-110			
Surrogate: p-Terphenyl-d14	*51.2*		µg/L	101		50.7	30-130			
LCS Dup (B205305-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Acenaphthene (SIM)	35.6	7.5	µg/L	50.0		71.2	40-140	9.56	20	
Acenaphthylene (SIM)	37.3	7.5	µg/L	50.0		74.6	40-140	9.99	20	
Anthracene (SIM)	39.6	5.0	µg/L	50.0		79.2	40-140	7.33	20	
Benzo(a)anthracene (SIM)	38.7	1.2	µg/L	50.0		77.4	40-140	6.81	20	
Benzo(a)pyrene (SIM)	42.0	2.5	µg/L	50.0		84.0	40-140	6.52	20	
Benzo(b)fluoranthene (SIM)	43.7	1.2	µg/L	50.0		87.4	40-140	6.98	20	
Benzo(g,h,i)perylene (SIM)	42.7	12	µg/L	50.0		85.4	40-140	6.09	20	
Benzo(k)fluoranthene (SIM)	40.8	5.0	µg/L	50.0		81.6	40-140	7.23	20	
Chrysene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140	5.87	20	
Dibenz(a,h)anthracene (SIM)	45.2	5.0	µg/L	50.0		90.4	40-140	6.75	20	
Fluoranthene (SIM)	37.3	12	µg/L	50.0		74.6	40-140	7.80	20	
Fluorene (SIM)	38.7	25	µg/L	50.0		77.4	40-140	10.0	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.0	5.0	µg/L	50.0		92.1	40-140	6.44	20	‡
2-Methylnaphthalene (SIM)	31.5	25	µg/L	50.0		63.0	40-140	10.7	20	
Naphthalene (SIM)	28.6	25	µg/L	50.0		57.2	40-140	11.1	20	
Pentachlorophenol (SIM)	25.5	12	µg/L	50.0		51.0	40-140	12.6	20	
Phenanthrene (SIM)	38.1	1.2	µg/L	50.0		76.2	40-140	7.77	20	
Pyrene (SIM)	34.8	25	µg/L	50.0		69.5	40-140	6.54	20	
Surrogate: 2-Fluorophenol	*92.2*		µg/L	200		46.1	15-110			
Surrogate: Phenol-d6	*66.0*		µg/L	200		33.0	15-110			
Surrogate: Nitrobenzene-d5	*73.2*		µg/L	100		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	*64.3*		µg/L	101		63.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*142*		µg/L	200		71.0	15-110			
Surrogate: p-Terphenyl-d14	*56.6*		µg/L	101		56.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205127 - SW-846 3510C										
Blank (B205127-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*1.44*		µg/L	2.00		72.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		83.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.41*		µg/L	2.00		70.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.45*		µg/L	2.00		72.7	30-150			
LCS (B205127-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	0.37	0.20	µg/L	0.500		73.4	40-140			
Aroclor-1016 [2C]	0.38	0.20	µg/L	0.500		76.8	40-140			
Aroclor-1260	0.36	0.20	µg/L	0.500		72.0	40-140			
Aroclor-1260 [2C]	0.39	0.20	µg/L	0.500		78.2	40-140			
Surrogate: Decachlorobiphenyl	*1.42*		µg/L	2.00		70.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.57*		µg/L	2.00		78.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.32*		µg/L	2.00		66.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.32*		µg/L	2.00		65.8	30-150			
LCS Dup (B205127-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	0.40	0.20	µg/L	0.500		80.2	40-140	8.82	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		85.0	40-140	10.2	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		77.0	40-140	6.78	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		87.2	40-140	10.9	20	
Surrogate: Decachlorobiphenyl	*1.50*		µg/L	2.00		74.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.47*		µg/L	2.00		73.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.49*		µg/L	2.00		74.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205195 - SW-846 3510C										
Blank (B205195-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0930*		mg/L	0.100		93.0	50-150			
LCS (B205195-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	0.784	0.075	mg/L	1.00		78.4	60-120			
Surrogate: 2-Fluorobiphenyl	*0.101*		mg/L	0.100		101	50-150			
LCS Dup (B205195-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	0.780	0.075	mg/L	1.00		78.0	60-120	0.606	30	
Surrogate: 2-Fluorobiphenyl	*0.0980*		mg/L	0.100		98.0	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205450 - SW-846 3005A										
Blank (B205450-BLK1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B205450-BS1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	537	4.0	µg/L	500		107	80-120			
Barium	538	100	µg/L	500		108	80-120			
Cadmium	544	5.0	µg/L	500		109	80-120			
Chromium	542	10	µg/L	500		108	80-120			
Copper	1050	50	µg/L	1000		105	80-120			
Lead	529	10	µg/L	500		106	80-120			
Selenium	539	50	µg/L	500		108	80-120			
Silver	523	5.0	µg/L	500		105	80-120			
LCS Dup (B205450-BSD1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	543	4.0	µg/L	500		109	80-120	1.05	20	
Barium	532	100	µg/L	500		106	80-120	1.15	20	
Cadmium	544	5.0	µg/L	500		109	80-120	0.0326	20	
Chromium	543	10	µg/L	500		109	80-120	0.208	20	
Copper	1040	50	µg/L	1000		104	80-120	0.581	20	
Lead	536	10	µg/L	500		107	80-120	1.39	20	
Selenium	547	50	µg/L	500		109	80-120	1.49	20	
Silver	524	5.0	µg/L	500		105	80-120	0.0720	20	
Duplicate (B205450-DUP1)	**Source: 18F0263-05**			Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	ND	2.0	µg/L		ND			NC	20	
Barium	ND	50	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	ND	25	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	
Matrix Spike (B205450-MS1)	**Source: 18F0263-05**			Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	546	4.0	µg/L	500	ND	109	75-125			
Barium	553	100	µg/L	500	ND	111	75-125			
Cadmium	548	5.0	µg/L	500	ND	110	75-125			
Chromium	542	10	µg/L	500	ND	108	75-125			
Copper	1050	50	µg/L	1000	ND	105	75-125			
Lead	539	10	µg/L	500	ND	108	75-125			
Selenium	547	50	µg/L	500	ND	109	75-125			
Silver	460	5.0	µg/L	500	ND	92.0	75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205487 - SW-846 7470A Prep										
Blank (B205487-BLK1)				Prepared & Analyzed: 06/12/18						
Mercury	ND	0.00010	mg/L							
LCS (B205487-BS1)				Prepared & Analyzed: 06/12/18						
Mercury	0.00195	0.00010	mg/L	0.00200		97.6	80-120			
LCS Dup (B205487-BSD1)				Prepared & Analyzed: 06/12/18						
Mercury	0.00196	0.00010	mg/L	0.00200		97.8	80-120	0.213	20	
Duplicate (B205487-DUP1)		**Source: 18F0263-07**		Prepared & Analyzed: 06/12/18						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B205487-MS1)		**Source: 18F0263-07**		Prepared & Analyzed: 06/12/18						
Mercury	0.00191	0.00010	mg/L	0.00200	ND	95.4	75-125			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205112 - SW-846 7196A										
Blank (B205112-BLK1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B205112-BS1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	0.094	0.0040	mg/L	0.100		93.7	80-120			
LCS Dup (B205112-BSD1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	0.096	0.0040	mg/L	0.100		96.3	80-120	2.72	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B205127-BS1 Date(s) Analyzed: 06/08/2018 06/08/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.37	
	2	0.000	0.000	0.000	0.38	2.7
Aroclor-1260	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.39	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B205127-BSD1 Date(s) Analyzed: 06/08/2018 06/08/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.40	
	2	0.000	0.000	0.000	0.43	7.2
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.44	12.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

con-test® ANALYTICAL LABORATORY
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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020A-B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

18F0263

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper										
								3	2	2	2	1	1										
								H	I	I	I	N	I										
								V	A	A	A	P	P										
01	MW-201	6/6/18	1115		X	GW	U	X	X	X													
02	MW-202		1220							X													
03	MW-203		1300							X													
04	MW-15		1245					X	X	X													
05	MW-16		900					X	X	X	X	X	X										
06	MW-CCA2		1100					X	X	X													
07	MW-CCA3		925							X	X	X	X										
08	MW-CCA4		1025							X	X	X	X										
09	DUP-1		—					X	X	X	X	X	X										
10	TRIP BLANK		—					X															

ANALYSIS REQUESTED

# of Containers	
[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples:
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples:
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Weston & Sampson directly.

(2) Please send copy of results to Paul Boison (Paul.Boison@eversource.com) at Eversource Energy.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 6/6/18	Date/Time:
Received by: (signature) Tom Main	Date/Time: 1730
Relinquished by: (signature) Tom Main 6/6/18	Date/Time: 1835
Received by: (signature) Sam Simpo 3.1,3.85.8	Date/Time: 6/6/18 18:35
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client W+S

Received By SE Date 6/6/18 Time 18:35

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____

Direct from Sampling ____ Ambient ____ Melted Ice ____

By Gun # 577 Actual Temp - 3.1, 3.8, 5.8

Were samples within Temperature? 2-6°C T By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? T Who was notified? Luke

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? T Acid pH<2 Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	36	1 Liter Plastic		16 oz Amb.	
HCL-	17	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	8	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A060818.SEC\A0608015.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608015.D
Data File Path	X:\HPCHEM\1\DATA\A060818.SEC\
Operator	RMW
Date Acquired	6/8/2018 1:32
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	651274	655222	1
c - 10	1.58	665785	655222	-2
c - 12	2.30	676528	655222	-3
c - 14	2.96	682851	655222	-4
c - 16	3.56	687645	655222	-5
c - 18	4.16	685498	655222	-5
c - 20	4.77	687386	655222	-5
c - 22	5.28	687272	655222	-5
c - 24	5.72	679231	655222	-4
c - 26	6.11	672219	655222	-3
c - 28	6.47	669442	655222	-2
c - 30	6.80	666248	655222	-2
c - 32	7.11	619013	655222	6
c - 34	7.40	566884	655222	13
c - 36	7.70	531057	655222	19

Samples

18F0006-07
18F0006-08
18F0006-09
18F0006-10
18F0006-16
18F0006-06
18F0006-02@5X
18F0006-12@100X

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A060818\A0608018.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608018.D
Data File Path	X:\HPCHEM\1\DATA\A060818\
Date Acquired	6/8/2018 1:50
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	566894	603764	6
c - 10	1.54	581846	603764	4
c - 12	2.26	605791	603764	0
c - 14	2.93	630393	603764	-4
c - 16	3.53	648787	603764	-7
c - 18	4.12	652991	603764	-8
c - 20	4.74	656100	603764	-9
c - 22	5.25	653497	603764	-8
c - 24	5.69	640102	603764	-6
c - 26	6.08	626078	603764	-4
c - 28	6.44	616457	603764	-2
c - 30	6.77	608530	603764	-1
c - 32	7.08	564209	603764	7
c - 34	7.37	518253	603764	14
c - 36	7.66	486539	603764	19

*One compound allowed %D </=50%

Samples

18F0263-01
18F0263-03
18F0263-04
18F0263-05
18F0263-06
18F0263-07
18F0263-08
18F0263-09
18F0265-02
18F0265-04
18F0265-03
18F0265-01
18F0263-02

X:\HPCHEM\1\DATA\A060818\A0608084.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608084.D
Data File Path	X:\HPCHEM\1\DATA\A060818\
Date Acquired	6/8/2018 11:39
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	600942	643344	7
c - 10	1.54	617986	643344	4
c - 12	2.26	641306	643344	0
c - 14	2.93	666634	643344	-4
c - 16	3.53	686504	643344	-7
c - 18	4.12	691787	643344	-8
c - 20	4.74	696164	643344	-8
c - 22	5.25	695759	643344	-8
c - 24	5.69	683336	643344	-6
c - 26	6.08	670500	643344	-4
c - 28	6.44	661786	643344	-3
c - 30	6.77	653936	643344	-2
c - 32	7.08	606024	643344	6
c - 34	7.37	556012	643344	14
c - 36	7.66	521488	643344	19

*One compound allowed %D </=50%

Samples
18F0276-01
18F0276-02
18F0276-04
18F0276-05
18F0276-07

X:\HPCHEM\1\DATA\A060918\A0609006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609006.D
Data File Path	X:\HPCHEM\1\DATA\A060918\
Date Acquired	6/9/2018 3:50
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	600860	648807	7
c - 10	1.54	616791	648807	5
c - 12	2.26	643645	648807	1
c - 14	2.93	670742	648807	-3
c - 16	3.53	691697	648807	-7
c - 18	4.12	698148	648807	-8
c - 20	4.74	703623	648807	-8
c - 22	5.25	704486	648807	-9
c - 24	5.69	693594	648807	-7
c - 26	6.08	681596	648807	-5
c - 28	6.43	672538	648807	-4
c - 30	6.76	662567	648807	-2
c - 32	7.07	610825	648807	6
c - 34	7.36	558531	648807	14
c - 36	7.66	522462	648807	19

*One compound allowed %D </=50%

Samples
18F0273-05
18F0273-30
18F0273-12
18F0273-26

X:\HPCHEM\1\DATA\A060918.SEC\A0609007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609007.D
Data File Path	X:\HPCHEM\1\DATA\A060918.SEC\
Operator	RMW
Date Acquired	6/9/2018 4:08
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	584272	593679	2
c - 10	1.58	595486	593679	0
c - 12	2.30	606008	593679	-2
c - 14	2.96	616377	593679	-4
c - 16	3.56	624528	593679	-5
c - 18	4.16	623732	593679	-5
c - 20	4.77	626303	593679	-5
c - 22	5.28	626252	593679	-5
c - 24	5.72	618088	593679	-4
c - 26	6.11	610989	593679	-3
c - 28	6.47	608013	593679	-2
c - 30	6.80	604578	593679	-2
c - 32	7.11	561571	593679	5
c - 34	7.40	515460	593679	13
c - 36	7.70	483528	593679	19

*One compound allowed %D </=50%

Samples
18F0273-11
18F0273-18
18F0273-13
18F0273-25
18F0273-27
18F0273-14@10X

X:\HPCHEM\1\DATA\A060918.SEC\A0609051.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609051.D
Data File Path	X:\HPCHEM\1\DATA\A060918.SEC\
Operator	RMW
Date Acquired	6/9/2018 10:36
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.22	592148	602750	2
c - 10	1.58	603566	602750	0
c - 12	2.30	614263	602750	-2
c - 14	2.96	625753	602750	-4
c - 16	3.56	634159	602750	-5
c - 18	4.16	633120	602750	-5
c - 20	4.77	635575	602750	-5
c - 22	5.28	635781	602750	-5
c - 24	5.72	627562	602750	-4
c - 26	6.11	620522	602750	-3
c - 28	6.47	618574	602750	-3
c - 30	6.80	614476	602750	-2
c - 32	7.11	571002	602750	5
c - 34	7.40	523760	602750	13
c - 36	7.70	490997	602750	19

Samples
18F0006-19@SPLP

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18F0263

Laboratory Sample ID(s):

18F0263-01 thru 18F0263-10

Sample Date(s):

06/06/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7196A, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 06/13/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 15, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18F0389

Enclosed are results of analyses for samples received by the laboratory on June 8, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 6/15/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18F0389

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-200	18F0389-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18F0389-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR1	18F0389-03	Ground Water		SW-846 8270D	
Trip Blank	18F0389-04	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 8260C

Qualifications:

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
B205491-BS1, S024203-CCV1

SW-846 8270D

Qualifications:

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
18F0389-03[MW-AIR1], B205727-BLK1

Phenol-d6
B205570-BSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline
B205570-BS1, B205570-BSD1

Aniline
B205570-BS1, B205570-BSD1

Bis(2-chloroisopropyl)ether
B205570-BS1, B205570-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
18F0389-03[MW-AIR1], B205570-BLK1

Aniline
18F0389-03[MW-AIR1], B205570-BLK1

Bis(2-chloroisopropyl)ether
18F0389-03[MW-AIR1], B205570-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

4-Chloroaniline
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

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V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

N-Nitrosodiphenylamine

18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

SW-846 8260C

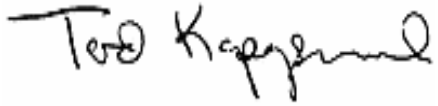
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.5	70-130		6/12/18 11:02
Toluene-d8	99.0	70-130		6/12/18 11:02
4-Bromofluorobenzene	97.8	70-130		6/12/18 11:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.0	30-150		6/12/18 18:52
Decachlorobiphenyl [2]	76.1	30-150		6/12/18 18:52
Tetrachloro-m-xylene [1]	72.4	30-150		6/12/18 18:52
Tetrachloro-m-xylene [2]	74.8	30-150		6/12/18 18:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.072	mg/L	1		CTDEP ETPH	6/12/18	6/13/18 13:10	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	103	50-150				6/13/18 13:10	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		6/12/18 11:32
Toluene-d8	99.0	70-130		6/12/18 11:32
4-Bromofluorobenzene	99.6	70-130		6/12/18 11:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.4	30-150		6/12/18 19:10
Decachlorobiphenyl [2]	70.8	30-150		6/12/18 19:10
Tetrachloro-m-xylene [1]	68.7	30-150		6/12/18 19:10
Tetrachloro-m-xylene [2]	71.7	30-150		6/12/18 19:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.093	0.075	mg/L	1		CTDEP ETPH	6/12/18	6/13/18 13:28	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	101	50-150		6/13/18 13:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-AIR1 | Sampled: 6/7/2018 12:30

Sample ID: 18F0389-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Aniline	ND	5.0	µg/L	1	V-04, V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-AIR1 | Sampled: 6/7/2018 12:30

Sample ID: 18F0389-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
2-Nitroaniline	ND	10	µg/L	1	V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1	V-35	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2		15-110		6/14/18 12:10
2-Fluorophenol	62.3		15-110		6/14/18 13:08
Phenol-d6	44.9		15-110		6/14/18 13:08
Phenol-d6	46.8		15-110		6/14/18 12:10
Nitrobenzene-d5	90.9		30-130		6/14/18 13:08
Nitrobenzene-d5	100		30-130		6/14/18 12:10
2-Fluorobiphenyl	86.8		30-130		6/14/18 12:10
2-Fluorobiphenyl	77.1		30-130		6/14/18 13:08
2,4,6-Tribromophenol	**130**	*	15-110	S-07	6/14/18 12:10
2,4,6-Tribromophenol	92.6		15-110		6/14/18 13:08
p-Terphenyl-d14	91.1		30-130		6/14/18 13:08
p-Terphenyl-d14	90.8		30-130		6/14/18 12:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: Trip Blank | Sampled: 6/7/2018 00:00

Sample ID: 18F0389-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: Trip Blank | Sampled: 6/7/2018 00:00

Sample ID: 18F0389-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		6/12/18 10:00
Toluene-d8	99.8	70-130		6/12/18 10:00
4-Bromofluorobenzene	99.9	70-130		6/12/18 10:00

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205476	1040	1.00	06/12/18
18F0389-02 [CCA-5]	B205476	1000	1.00	06/12/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205373	1000	10.0	06/11/18
18F0389-02 [CCA-5]	B205373	1020	10.0	06/11/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205491	5	5.00	06/12/18
18F0389-02 [CCA-5]	B205491	5	5.00	06/12/18
18F0389-04 [Trip Blank]	B205491	5	5.00	06/12/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-03 [MW-AIR1]	B205570	1000	1.00	06/13/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-03 [MW-AIR1]	B205727	1000	1.00	06/13/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205491 - SW-846 5030B										
Blank (B205491-BLK1)				Prepared & Analyzed: 06/12/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205491 - SW-846 5030B										
Blank (B205491-BLK1)				Prepared & Analyzed: 06/12/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.6	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1	70-130			
LCS (B205491-BS1)				Prepared & Analyzed: 06/12/18						
Acetone	87.5	10	µg/L	100		87.5	70-130			
Acrylonitrile	10.3	2.0	µg/L	10.0		103	70-130			
Benzene	9.74	0.50	µg/L	10.0		97.4	70-130			
Bromobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
Bromodichloromethane	9.35	0.50	µg/L	10.0		93.5	70-130			
Bromoform	9.82	0.50	µg/L	10.0		98.2	70-130			
Bromomethane	9.49	1.0	µg/L	10.0		94.9	70-130			
2-Butanone (MEK)	93.8	5.0	µg/L	100		93.8	70-130			
n-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
sec-Butylbenzene	9.18	1.0	µg/L	10.0		91.8	70-130			
tert-Butylbenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
Carbon Disulfide	113	5.0	µg/L	100		113	70-130			
Carbon Tetrachloride	9.81	0.50	µg/L	10.0		98.1	70-130			
Chlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Chlorodibromomethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Chloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroform	9.87	0.50	µg/L	10.0		98.7	70-130			
Chloromethane	9.38	0.60	µg/L	10.0		93.8	70-130			
2-Chlorotoluene	9.65	0.50	µg/L	10.0		96.5	70-130			
4-Chlorotoluene	9.65	0.50	µg/L	10.0		96.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.11	2.0	µg/L	10.0		91.1	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	9.93	0.50	µg/L	10.0		99.3	70-130			
1,2-Dichlorobenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
1,3-Dichlorobenzene	9.94	0.50	µg/L	10.0		99.4	70-130			
1,4-Dichlorobenzene	9.96	0.50	µg/L	10.0		99.6	70-130			
trans-1,4-Dichloro-2-butene	8.61	2.0	µg/L	10.0		86.1	70-130			
Dichlorodifluoromethane (Freon 12)	9.49	0.50	µg/L	10.0		94.9	70-130			V-34
1,1-Dichloroethane	9.91	0.50	µg/L	10.0		99.1	70-130			
1,2-Dichloroethane	9.53	0.50	µg/L	10.0		95.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205491 - SW-846 5030B										
LCS (B205491-BS1)				Prepared & Analyzed: 06/12/18						
1,1-Dichloroethylene	10.1	0.50	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	9.56	0.50	µg/L	10.0		95.6	70-130			
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	8.96	0.50	µg/L	10.0		89.6	70-130			
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	9.97	0.50	µg/L	10.0		99.7	70-130			
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130			
Ethylbenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
Hexachlorobutadiene	11.5	1.0	µg/L	10.0		115	70-130			
2-Hexanone (MBK)	96.7	5.0	µg/L	100		96.7	70-130			
Isopropylbenzene (Cumene)	9.57	0.50	µg/L	10.0		95.7	70-130			
p-Isopropyltoluene (p-Cymene)	9.48	0.50	µg/L	10.0		94.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.62	0.50	µg/L	10.0		96.2	70-130			
Methylene Chloride	8.82	5.0	µg/L	10.0		88.2	70-130			
4-Methyl-2-pentanone (MIBK)	95.6	5.0	µg/L	100		95.6	70-130			
Naphthalene	8.11	2.0	µg/L	10.0		81.1	70-130			
n-Propylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130			
Styrene	9.92	1.0	µg/L	10.0		99.2	70-130			
1,1,1,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Tetrahydrofuran	9.10	10	µg/L	10.0		91.0	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
1,2,4-Trichlorobenzene	8.93	0.50	µg/L	10.0		89.3	70-130			
1,1,1-Trichloroethane	9.46	0.50	µg/L	10.0		94.6	70-130			
1,1,2-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	0.50	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	9.34	0.50	µg/L	10.0		93.4	70-130			
1,3,5-Trimethylbenzene	9.41	0.50	µg/L	10.0		94.1	70-130			
Vinyl Chloride	11.0	1.0	µg/L	10.0		110	70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.78	1.0	µg/L	10.0		97.8	70-130			
Xylenes (total)	29.4	3.0	µg/L				0-200			
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.8	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205570 - SW-846 3510C										
Blank (B205570-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18						
Aniline	ND	5.0	µg/L							V-04, V-20
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-20
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							V-20
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							V-35
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*172*		µg/L	200		86.0	15-110			
Surrogate: Phenol-d6	*190*		µg/L	200		94.8	15-110			
Surrogate: Nitrobenzene-d5	*91.0*		µg/L	100		91.0	30-130			
Surrogate: 2-Fluorobiphenyl	*75.9*		µg/L	101		75.1	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B205570 - SW-846 3510C											
Blank (B205570-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Surrogate: 2,4,6-Tribromophenol	*175*		µg/L	200		87.3	15-110				
Surrogate: p-Terphenyl-d14	*86.9*		µg/L	101		86.0	30-130				
LCS (B205570-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Aniline	58.0	5.0	µg/L	50.0		116	40-140			V-04, V-06	†
Bis(2-chloroethoxy)methane	47.5	10	µg/L	50.0		95.0	40-140				
Bis(2-chloroethyl)ether	42.5	10	µg/L	50.0		85.0	40-140				
Bis(2-chloroisopropyl)ether	59.5	10	µg/L	50.0		119	40-140			V-06	
Bis(2-Ethylhexyl)phthalate	40.4	10	µg/L	50.0		80.9	40-140				
4-Bromophenylphenylether	37.3	10	µg/L	50.0		74.7	40-140				
Butylbenzylphthalate	43.4	10	µg/L	50.0		86.8	40-140				
Carbazole	39.1	10	µg/L	50.0		78.2	40-140				
4-Chloroaniline	37.9	10	µg/L	50.0		75.7	40-140			V-34	†
4-Chloro-3-methylphenol	40.9	10	µg/L	50.0		81.8	30-130				
2-Chloronaphthalene	36.1	10	µg/L	50.0		72.2	40-140				
2-Chlorophenol	39.6	10	µg/L	50.0		79.3	30-130				
4-Chlorophenylphenylether	39.0	10	µg/L	50.0		78.1	40-140				
Dibenzofuran	42.1	5.0	µg/L	50.0		84.2	40-140				
Di-n-butylphthalate	39.6	10	µg/L	50.0		79.3	40-140				
3,3-Dichlorobenzidine	37.6	10	µg/L	50.0		75.1	40-140			V-34	†
2,4-Dichlorophenol	37.8	10	µg/L	50.0		75.6	30-130				
Diethylphthalate	41.2	10	µg/L	50.0		82.4	40-140				
2,4-Dimethylphenol	40.8	10	µg/L	50.0		81.5	30-130				
Dimethylphthalate	41.3	10	µg/L	50.0		82.5	40-140				
4,6-Dinitro-2-methylphenol	37.0	10	µg/L	50.0		74.0	30-130				
2,4-Dinitrophenol	35.2	10	µg/L	50.0		70.5	30-130				
2,4-Dinitrotoluene	39.5	10	µg/L	50.0		79.0	40-140				
2,6-Dinitrotoluene	41.9	10	µg/L	50.0		83.7	40-140				
Di-n-octylphthalate	40.3	10	µg/L	50.0		80.6	40-140				
Hexachlorobenzene	35.6	10	µg/L	50.0		71.2	40-140				
Hexachlorobutadiene	32.7	10	µg/L	50.0		65.4	40-140				
Hexachlorocyclopentadiene	34.4	10	µg/L	50.0		68.7	30-140				
Hexachloroethane	38.5	10	µg/L	50.0		77.0	40-140				
Isophorone	46.1	10	µg/L	50.0		92.2	40-140				
2-Methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
3/4-Methylphenol	45.4	10	µg/L	50.0		90.8	30-130				
2-Nitroaniline	52.4	10	µg/L	50.0		105	40-140			V-06	
3-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140				†
4-Nitroaniline	43.7	10	µg/L	50.0		87.4	40-140				
Nitrobenzene	43.6	10	µg/L	50.0		87.1	40-140				
2-Nitrophenol	37.4	10	µg/L	50.0		74.8	30-130				
4-Nitrophenol	45.6	10	µg/L	50.0		91.3	10-130				
N-Nitrosodiphenylamine	49.0	10	µg/L	50.0		97.9	40-140			V-35	
N-Nitrosodi-n-propylamine	47.5	10	µg/L	50.0		95.1	40-140				
Pentachloronitrobenzene	37.1	10	µg/L	50.0		74.2	40-140			V-16	
Pentachlorophenol	29.0	10	µg/L	50.0		58.0	30-130				
Phenol	46.0	10	µg/L	50.0		91.9	20-130				
Pyridine	34.5	5.0	µg/L	50.0		69.1	10-140				†
1,2,4,5-Tetrachlorobenzene	38.4	10	µg/L	50.0		76.9	40-140				
1,2,4-Trichlorobenzene	33.9	5.0	µg/L	50.0		67.7	40-140				
2,4,5-Trichlorophenol	39.7	10	µg/L	50.0		79.3	30-130				
2,4,6-Trichlorophenol	39.8	10	µg/L	50.0		79.6	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B205570 - SW-846 3510C											
LCS (B205570-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Surrogate: 2-Fluorophenol	*177*		µg/L	200		88.7	15-110				
Surrogate: Phenol-d6	*199*		µg/L	200		99.4	15-110				
Surrogate: Nitrobenzene-d5	*91.6*		µg/L	100		91.6	30-130				
Surrogate: 2-Fluorobiphenyl	*77.7*		µg/L	101		77.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*180*		µg/L	200		90.0	15-110				
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	101		84.1	30-130				
LCS Dup (B205570-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Aniline	69.2	5.0	µg/L	50.0		138	40-140	17.5	50	V-04, V-06	† ‡
Bis(2-chloroethoxy)methane	53.3	10	µg/L	50.0		107	40-140	11.5	20		
Bis(2-chloroethyl)ether	49.5	10	µg/L	50.0		99.0	40-140	15.2	20		
Bis(2-chloroisopropyl)ether	69.8	10	µg/L	50.0		140	40-140	15.8	20	V-06	
Bis(2-Ethylhexyl)phthalate	46.4	10	µg/L	50.0		92.7	40-140	13.7	20		
4-Bromophenylphenylether	43.6	10	µg/L	50.0		87.1	40-140	15.4	20		
Butylbenzylphthalate	49.8	10	µg/L	50.0		99.5	40-140	13.7	20		
Carbazole	45.6	10	µg/L	50.0		91.3	40-140	15.4	20		
4-Chloroaniline	44.6	10	µg/L	50.0		89.2	40-140	16.4	20	V-34	†
4-Chloro-3-methylphenol	47.3	10	µg/L	50.0		94.6	30-130	14.5	20		
2-Chloronaphthalene	41.3	10	µg/L	50.0		82.7	40-140	13.5	20		
2-Chlorophenol	46.9	10	µg/L	50.0		93.8	30-130	16.7	20		
4-Chlorophenylphenylether	44.8	10	µg/L	50.0		89.6	40-140	13.8	20		
Dibenzofuran	48.2	5.0	µg/L	50.0		96.4	40-140	13.4	20		
Di-n-butylphthalate	45.9	10	µg/L	50.0		91.9	40-140	14.7	20		
3,3-Dichlorobenzidine	44.0	10	µg/L	50.0		88.0	40-140	15.8	20	V-34	† ‡
2,4-Dichlorophenol	42.8	10	µg/L	50.0		85.7	30-130	12.6	20		
Diethylphthalate	47.2	10	µg/L	50.0		94.5	40-140	13.7	20		
2,4-Dimethylphenol	47.2	10	µg/L	50.0		94.5	30-130	14.7	20		
Dimethylphthalate	47.0	10	µg/L	50.0		93.9	40-140	12.9	50		
4,6-Dinitro-2-methylphenol	43.2	10	µg/L	50.0		86.4	30-130	15.6	50		
2,4-Dinitrophenol	41.2	10	µg/L	50.0		82.4	30-130	15.6	50		
2,4-Dinitrotoluene	46.0	10	µg/L	50.0		91.9	40-140	15.1	20		
2,6-Dinitrotoluene	47.2	10	µg/L	50.0		94.4	40-140	11.9	20		
Di-n-octylphthalate	46.3	10	µg/L	50.0		92.6	40-140	13.8	20		
Hexachlorobenzene	40.6	10	µg/L	50.0		81.2	40-140	13.2	20		
Hexachlorobutadiene	37.2	10	µg/L	50.0		74.5	40-140	13.0	20		
Hexachlorocyclopentadiene	38.8	10	µg/L	50.0		77.5	30-140	12.1	50		
Hexachloroethane	44.6	10	µg/L	50.0		89.3	40-140	14.8	50		
Isophorone	53.1	10	µg/L	50.0		106	40-140	14.1	20		
2-Methylphenol	51.4	10	µg/L	50.0		103	30-130	16.5	20		
3/4-Methylphenol	53.7	10	µg/L	50.0		107	30-130	16.6	20		
2-Nitroaniline	59.2	10	µg/L	50.0		118	40-140	12.1	20	V-06	
3-Nitroaniline	48.2	10	µg/L	50.0		96.4	40-140	15.5	20		†
4-Nitroaniline	50.2	10	µg/L	50.0		100	40-140	13.8	20		
Nitrobenzene	48.6	10	µg/L	50.0		97.2	40-140	10.9	20		
2-Nitrophenol	42.5	10	µg/L	50.0		85.1	30-130	12.9	20		
4-Nitrophenol	54.4	10	µg/L	50.0		109	10-130	17.6	50		‡
N-Nitrosodiphenylamine	55.6	10	µg/L	50.0		111	40-140	12.7	20	V-35	
N-Nitrosodi-n-propylamine	56.5	10	µg/L	50.0		113	40-140	17.3	20		
Pentachloronitrobenzene	43.8	10	µg/L	50.0		87.7	40-140	16.7	20	V-16	
Pentachlorophenol	34.5	10	µg/L	50.0		69.0	30-130	17.3	50		
Phenol	54.2	10	µg/L	50.0		108	20-130	16.4	20		
Pyridine	39.6	5.0	µg/L	50.0		79.2	10-140	13.7	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B205570 - SW-846 3510C											
LCS Dup (B205570-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18							
1,2,4,5-Tetrachlorobenzene	43.6	10	µg/L	50.0		87.3		40-140	12.7	20	
1,2,4-Trichlorobenzene	38.2	5.0	µg/L	50.0		76.5		40-140	12.1	20	
2,4,5-Trichlorophenol	45.5	10	µg/L	50.0		91.0		30-130	13.7	20	
2,4,6-Trichlorophenol	45.4	10	µg/L	50.0		90.7		30-130	13.1	50	
Surrogate: 2-Fluorophenol	*203*		µg/L	200		102		15-110			
Surrogate: Phenol-d6	*233*		µg/L	200		**117**	*	15-110			S-07
Surrogate: Nitrobenzene-d5	*102*		µg/L	100		102		30-130			
Surrogate: 2-Fluorobiphenyl	*87.4*		µg/L	101		86.5		30-130			
Surrogate: 2,4,6-Tribromophenol	*208*		µg/L	200		104		15-110			
Surrogate: p-Terphenyl-d14	*96.6*		µg/L	101		95.6		30-130			
Batch B205727 - SW-846 3510C											
Blank (B205727-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Acenaphthene (SIM)	ND	0.30	µg/L								
Acenaphthylene (SIM)	ND	0.30	µg/L								
Anthracene (SIM)	ND	0.20	µg/L								
Benzo(a)anthracene (SIM)	ND	0.050	µg/L								
Benzo(a)pyrene (SIM)	ND	0.10	µg/L								
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L								
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L								
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L								
Chrysene (SIM)	ND	0.20	µg/L								
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L								
Fluoranthene (SIM)	ND	0.50	µg/L								
Fluorene (SIM)	ND	1.0	µg/L								
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L								
2-Methylnaphthalene (SIM)	ND	1.0	µg/L								
Naphthalene (SIM)	ND	1.0	µg/L								
Pentachlorophenol (SIM)	ND	1.0	µg/L								
Phenanthrene (SIM)	ND	0.050	µg/L								
Pyrene (SIM)	ND	1.0	µg/L								
Surrogate: 2-Fluorophenol	*201*		µg/L	200		101		15-110			
Surrogate: Phenol-d6	*219*		µg/L	200		110		15-110			
Surrogate: Nitrobenzene-d5	*104*		µg/L	100		104		30-130			
Surrogate: 2-Fluorobiphenyl	*89.1*		µg/L	101		88.2		30-130			
Surrogate: 2,4,6-Tribromophenol	*268*		µg/L	200		**134**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	101		90.4		30-130			
LCS (B205727-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Acenaphthene (SIM)	41.4	7.5	µg/L	50.0		82.7		40-140			
Acenaphthylene (SIM)	42.9	7.5	µg/L	50.0		85.8		40-140			
Anthracene (SIM)	44.2	5.0	µg/L	50.0		88.5		40-140			
Benzo(a)anthracene (SIM)	42.7	1.2	µg/L	50.0		85.4		40-140			
Benzo(a)pyrene (SIM)	45.4	2.5	µg/L	50.0		90.8		40-140			
Benzo(b)fluoranthene (SIM)	47.2	1.2	µg/L	50.0		94.4		40-140			
Benzo(g,h,i)perylene (SIM)	46.9	12	µg/L	50.0		93.8		40-140			
Benzo(k)fluoranthene (SIM)	43.8	5.0	µg/L	50.0		87.7		40-140			
Chrysene (SIM)	41.2	5.0	µg/L	50.0		82.4		40-140			
Dibenz(a,h)anthracene (SIM)	48.7	5.0	µg/L	50.0		97.4		40-140			
Fluoranthene (SIM)	41.1	12	µg/L	50.0		82.2		40-140			
Fluorene (SIM)	43.4	25	µg/L	50.0		86.8		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	49.9	5.0	µg/L	50.0		99.8		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205727 - SW-846 3510C										
LCS (B205727-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18						
2-Methylnaphthalene (SIM)	41.7	25	µg/L	50.0		83.4	40-140			
Naphthalene (SIM)	37.6	25	µg/L	50.0		75.2	40-140			
Pentachlorophenol (SIM)	30.0	25	µg/L	50.0		59.9	40-140			
Phenanthrene (SIM)	42.0	1.2	µg/L	50.0		84.0	40-140			
Pyrene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Surrogate: 2-Fluorophenol	*156*		µg/L	200		78.2	15-110			
Surrogate: Phenol-d6	*173*		µg/L	200		86.7	15-110			
Surrogate: Nitrobenzene-d5	*81.0*		µg/L	100		81.0	30-130			
Surrogate: 2-Fluorobiphenyl	*71.7*		µg/L	101		71.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		78.9	15-110			
Surrogate: p-Terphenyl-d14	*63.5*		µg/L	101		62.8	30-130			
LCS Dup (B205727-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18						
Acenaphthene (SIM)	45.6	7.5	µg/L	50.0		91.2	40-140	9.72	20	
Acenaphthylene (SIM)	47.3	7.5	µg/L	50.0		94.6	40-140	9.70	20	
Anthracene (SIM)	49.0	5.0	µg/L	50.0		98.1	40-140	10.3	20	
Benzo(a)anthracene (SIM)	47.7	1.2	µg/L	50.0		95.4	40-140	11.1	20	
Benzo(a)pyrene (SIM)	50.4	2.5	µg/L	50.0		101	40-140	10.6	20	
Benzo(b)fluoranthene (SIM)	52.6	1.2	µg/L	50.0		105	40-140	10.9	20	
Benzo(g,h,i)perylene (SIM)	52.4	12	µg/L	50.0		105	40-140	11.1	20	
Benzo(k)fluoranthene (SIM)	48.4	5.0	µg/L	50.0		96.8	40-140	9.92	20	
Chrysene (SIM)	45.8	5.0	µg/L	50.0		91.5	40-140	10.5	20	
Dibenz(a,h)anthracene (SIM)	54.4	5.0	µg/L	50.0		109	40-140	10.9	20	
Fluoranthene (SIM)	46.1	12	µg/L	50.0		92.2	40-140	11.4	20	
Fluorene (SIM)	48.4	25	µg/L	50.0		96.8	40-140	10.8	20	
Indeno(1,2,3-cd)pyrene (SIM)	55.6	5.0	µg/L	50.0		111	40-140	10.9	20	‡
2-Methylnaphthalene (SIM)	45.2	25	µg/L	50.0		90.4	40-140	8.12	20	
Naphthalene (SIM)	40.8	25	µg/L	50.0		81.7	40-140	8.29	20	
Pentachlorophenol (SIM)	34.4	25	µg/L	50.0		68.9	40-140	14.0	20	
Phenanthrene (SIM)	46.3	1.2	µg/L	50.0		92.6	40-140	9.79	20	
Pyrene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	8.96	20	
Surrogate: 2-Fluorophenol	*171*		µg/L	200		85.6	15-110			
Surrogate: Phenol-d6	*192*		µg/L	200		96.0	15-110			
Surrogate: Nitrobenzene-d5	*84.5*		µg/L	100		84.5	30-130			
Surrogate: 2-Fluorobiphenyl	*76.5*		µg/L	101		75.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		84.9	15-110			
Surrogate: p-Terphenyl-d14	*67.3*		µg/L	101		66.6	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205373 - SW-846 3510C										
Blank (B205373-BLK1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	ND	0.018	µg/L							
Aroclor-1016 [2C]	ND	0.018	µg/L							
Aroclor-1221	ND	0.018	µg/L							
Aroclor-1221 [2C]	ND	0.018	µg/L							
Aroclor-1232	ND	0.018	µg/L							
Aroclor-1232 [2C]	ND	0.018	µg/L							
Aroclor-1242	ND	0.018	µg/L							
Aroclor-1242 [2C]	ND	0.018	µg/L							
Aroclor-1248	ND	0.018	µg/L							
Aroclor-1248 [2C]	ND	0.018	µg/L							
Aroclor-1254	ND	0.018	µg/L							
Aroclor-1254 [2C]	ND	0.018	µg/L							
Aroclor-1260	ND	0.018	µg/L							
Aroclor-1260 [2C]	ND	0.018	µg/L							
Aroclor-1262	ND	0.018	µg/L							
Aroclor-1262 [2C]	ND	0.018	µg/L							
Aroclor-1268	ND	0.018	µg/L							
Aroclor-1268 [2C]	ND	0.018	µg/L							
Surrogate: Decachlorobiphenyl	*0.742*		µg/L	2.00		37.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.791*		µg/L	2.00		39.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.995*		µg/L	2.00		49.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		µg/L	2.00		50.4	30-150			
LCS (B205373-BS1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	0.43	0.20	µg/L	0.500		85.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		84.2	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.3	40-140			
Surrogate: Decachlorobiphenyl	*1.33*		µg/L	2.00		66.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.44*		µg/L	2.00		72.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.30*		µg/L	2.00		64.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.33*		µg/L	2.00		66.7	30-150			
LCS Dup (B205373-BSD1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	0.45	0.20	µg/L	0.500		89.9	40-140	4.78	20	
Aroclor-1016 [2C]	0.47	0.20	µg/L	0.500		93.7	40-140	10.7	20	
Aroclor-1260	0.40	0.20	µg/L	0.500		81.0	40-140	3.90	20	
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	5.19	20	
Surrogate: Decachlorobiphenyl	*1.34*		µg/L	2.00		66.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.44*		µg/L	2.00		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.33*		µg/L	2.00		66.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.38*		µg/L	2.00		69.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205476 - SW-846 3510C										
Blank (B205476-BLK1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0956*		mg/L	0.100		95.6	50-150			
LCS (B205476-BS1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	0.719	0.075	mg/L	1.00		71.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.100*		mg/L	0.100		100	50-150			
LCS Dup (B205476-BSD1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	0.705	0.075	mg/L	1.00		70.5	60-120	1.93	30	
Surrogate: 2-Fluorobiphenyl	*0.0964*		mg/L	0.100		96.4	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B205373-BS1 Date(s) Analyzed: 06/12/2018 06/12/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.42	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.41	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B205373-BSD1 Date(s) Analyzed: 06/12/2018 06/12/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.47	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.40	
	2	0.000	0.000	0.000	0.43	4.8

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

18F0389

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	~~Total RCRA 8 Metals~~	~~Total Hex Cr, Tri Cr and Copper~~
01	MW-200	6/7/18	1000		X	GW	U	X	X	X			
02	CCA-5	↓	1100		↓	↓	↓	X	X	X			
03	MW-AIR1	↓	1230		↓	↓	↓				X		
04	Trip Blank	↓	—		↓	↓	↓	X					

ANALYSIS REQUESTED

| | | | | | | | | | | | | |

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client W+S

Received By SE Date 6/8/18 Time 14:35

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____

Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.0

By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	8	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A061318.SEC\A0613007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613007.D
Data File Path	X:\HPCHEM\1\DATA\A061318.SEC\
Operator	RMW
Date Acquired	6/13/2018 8:44
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	610391	622684	2
c - 10	1.57	621295	622684	0
c - 12	2.30	630252	622684	-1
c - 14	2.96	643159	622684	-3
c - 16	3.56	654111	622684	-5
c - 18	4.15	655535	622684	-5
c - 20	4.77	660736	622684	-6
c - 22	5.27	662087	622684	-6
c - 24	5.71	654665	622684	-5
c - 26	6.11	646985	622684	-4
c - 28	6.46	641642	622684	-3
c - 30	6.80	634910	622684	-2
c - 32	7.11	586624	622684	6
c - 34	7.40	536142	622684	14
c - 36	7.69	501726	622684	19

*One compound allowed %D </=50%

Samples

18F0297-01@50X
18F0297-02@5X
18F0297-03@50X
18F0297-04@50X
18F0297-05@50X
18F0289-05@100X
18F0289-11@100X

X:\HPCHEM\1\DATA\A061318.SEC\A0613069.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613069.D
Data File Path	X:\HPCHEM\1\DATA\A061318.SEC\
Operator	RMW
Date Acquired	6/13/2018 6:13
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	620785	623794	0
c - 10	1.57	628223	623794	-1
c - 12	2.30	632704	623794	-1
c - 14	2.96	644399	623794	-3
c - 16	3.56	654609	623794	-5
c - 18	4.15	655754	623794	-5
c - 20	4.77	660721	623794	-6
c - 22	5.27	661629	623794	-6
c - 24	5.71	653362	623794	-5
c - 26	6.11	645080	623794	-3
c - 28	6.46	639830	623794	-3
c - 30	6.80	633594	623794	-2
c - 32	7.11	586527	623794	6
c - 34	7.40	536698	623794	14
c - 36	7.69	502993	623794	19

Samples
18F0289-01

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A061318\A0613006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613006.D
Data File Path	X:\HPCHEM\1\DATA\A061318\
Date Acquired	6/13/2018 8:26
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.16	639369	710905	10
c - 10	1.50	659547	710905	7
c - 12	2.21	690683	710905	3
c - 14	2.87	716282	710905	-1
c - 16	3.47	736743	710905	-4
c - 18	4.05	750094	710905	-6
c - 20	4.67	765561	710905	-8
c - 22	5.18	775224	710905	-9
c - 24	5.62	771748	710905	-9
c - 26	6.01	766030	710905	-8
c - 28	6.37	761006	710905	-7
c - 30	6.70	749587	710905	-5
c - 32	7.01	685796	710905	4
c - 34	7.30	620698	710905	13
c - 36	7.58	575204	710905	19

*One compound allowed %D </=50%

Samples

18F0423-09
18F0342-01
18F0342-02
18F0342-04
18F0342-05
18F0342-06
18F0342-07
18F0389-01
18F0389-02
18F0423-01
18F0423-02
18F0423-03
18F0423-04
18F0423-05
18F0423-06

X:\HPCHEM\1\DATA\A061318\A0613068.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613068.D
Data File Path	X:\HPCHEM\1\DATA\A061318\
Date Acquired	6/13/2018 5:56
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.16	611148	643333	5
c - 10	1.50	622923	643333	3
c - 12	2.21	636219	643333	1
c - 14	2.87	649513	643333	-1
c - 16	3.47	659094	643333	-2
c - 18	4.05	662209	643333	-3
c - 20	4.67	670228	643333	-4
c - 22	5.18	675954	643333	-5
c - 24	5.62	673323	643333	-5
c - 26	6.01	672962	643333	-5
c - 28	6.37	677815	643333	-5
c - 30	6.70	681090	643333	-6
c - 32	7.01	635074	643333	1
c - 34	7.30	581634	643333	10
c - 36	7.58	540813	643333	16

Samples

18F0423-07
18F0423-08
18F0424-01

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18F0389

Laboratory Sample ID(s):
18F0389-01 thru 18F0389-04

Sample Date(s):
06/07/2018

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Tod E. Kopyscinski

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.

Authorized Signature: Tod Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 06/15/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 27, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury AWC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18I0925

Enclosed are results of analyses for samples received by the laboratory on September 20, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 9/27/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I0925

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury AWC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18I0925-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-15	18I0925-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-2	18I0925-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-4	18I0925-04	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-201	18I0925-05	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
Dup-1	18I0925-06	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18I0925-07	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
B213013-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
18I0925-01[MW-16], 18I0925-02[MW-15], 18I0925-03[CCA-2], 18I0925-05[MW-201], 18I0925-06[Dup-1], 18I0925-07[Trip Blank], B213013-BLK1, B213013-BS1, S027594-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
B213013-BS1, S027594-CCV1

SW-846 8270D

Qualifications:

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

Hexachlorocyclopentadiene
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

4-Chloroaniline
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

Aniline
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

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SW-846 8260C

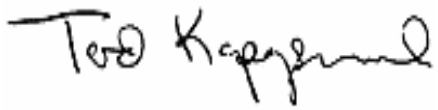
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: MW-16 | Sampled: 9/20/2018 08:15
Sample ID: 18I0925-01
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.6	70-130		9/21/18 19:30
Toluene-d8	99.0	70-130		9/21/18 19:30
4-Bromofluorobenzene	98.2	70-130		9/21/18 19:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Acenaphthylene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(a)anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(a)pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(b)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(g,h,i)perylene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(k)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Chrysene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Dibenz(a,h)anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: MW-16 | Sampled: 9/20/2018 08:15
Sample ID: 18I0925-01
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Fluorene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachlorocyclopentadiene	ND	9.6	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Indeno(1,2,3-cd)pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Methylnaphthalene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Naphthalene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachlorophenol (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachloronitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Phenanthrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.0	15-110		9/26/18 15:00
2-Fluorophenol (SIM)	38.8	15-110		9/26/18 20:35
Phenol-d6	26.0	15-110		9/26/18 15:00
Phenol-d6 (SIM)	27.4	15-110		9/26/18 20:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		62.9	30-130					9/26/18 20:35	
Nitrobenzene-d5		65.2	30-130					9/26/18 15:00	
2-Fluorobiphenyl		71.3	30-130					9/26/18 15:00	
2-Fluorobiphenyl		64.7	30-130					9/26/18 20:35	
2,4,6-Tribromophenol		75.8	15-110					9/26/18 15:00	
2,4,6-Tribromophenol (SIM)		74.4	15-110					9/26/18 20:35	
p-Terphenyl-d14		66.1	30-130					9/26/18 20:35	
p-Terphenyl-d14		85.0	30-130					9/26/18 15:00	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	98.2	30-150		9/27/18 2:45	
Decachlorobiphenyl [2]	104	30-150		9/27/18 2:45	
Tetrachloro-m-xylene [1]	90.0	30-150		9/27/18 2:45	
Tetrachloro-m-xylene [2]	84.8	30-150		9/27/18 2:45	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.074	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 12:48	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	78.5	50-150				9/24/18 12:48	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:17	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:34	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	9/20/18	9/20/18 21:49	LED

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.1	70-130		9/21/18 19:57
Toluene-d8	99.8	70-130		9/21/18 19:57
4-Bromofluorobenzene	98.4	70-130		9/21/18 19:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		9/27/18 3:03
Decachlorobiphenyl [2]	85.9	30-150		9/27/18 3:03
Tetrachloro-m-xylene [1]	92.1	30-150		9/27/18 3:03
Tetrachloro-m-xylene [2]	87.4	30-150		9/27/18 3:03

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.12	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.3	50-150				9/24/18 13:05	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.0	70-130		9/21/18 20:23
Toluene-d8	99.8	70-130		9/21/18 20:23
4-Bromofluorobenzene	99.1	70-130		9/21/18 20:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/27/18 3:21
Decachlorobiphenyl [2]	109	30-150		9/27/18 3:21
Tetrachloro-m-xylene [1]	95.4	30-150		9/27/18 3:21
Tetrachloro-m-xylene [2]	90.9	30-150		9/27/18 3:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:22	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.0	50-150				9/24/18 13:22	

con-test® ANALYTICAL LABORATORY
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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40
Sample ID: 18I0925-04
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Acenaphthene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Acenaphthylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(a)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(a)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(b)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(g,h,i)perylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(k)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Chrysene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Dibenz(a,h)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dinitrophenol	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Fluorene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Indeno(1,2,3-cd)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Methylnaphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Naphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Phenanthrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.8	15-110		9/26/18 15:24
2-Fluorophenol (SIM)	35.4	15-110		9/26/18 21:04
Phenol-d6	27.5	15-110		9/26/18 15:24
Phenol-d6 (SIM)	25.6	15-110		9/26/18 21:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		60.2	30-130					9/26/18 15:24	
Nitrobenzene-d5		57.7	30-130					9/26/18 21:04	
2-Fluorobiphenyl		59.6	30-130					9/26/18 21:04	
2-Fluorobiphenyl		68.5	30-130					9/26/18 15:24	
2,4,6-Tribromophenol		62.6	15-110					9/26/18 15:24	
2,4,6-Tribromophenol (SIM)		72.5	15-110					9/26/18 21:04	
p-Terphenyl-d14		85.3	30-130					9/26/18 15:24	
p-Terphenyl-d14		62.8	30-130					9/26/18 21:04	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.081	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:40	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	75.2	50-150				9/24/18 13:40	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:20	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:36	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	9/20/18	9/20/18 21:49	LED

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	78.6	70-130		9/21/18 20:50
Toluene-d8	99.5	70-130		9/21/18 20:50
4-Bromofluorobenzene	95.8	70-130		9/21/18 20:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.7	30-150		9/27/18 3:39
Decachlorobiphenyl [2]	98.4	30-150		9/27/18 3:39
Tetrachloro-m-xylene [1]	89.4	30-150		9/27/18 3:39
Tetrachloro-m-xylene [2]	84.3	30-150		9/27/18 3:39

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.084	0.074	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	87.6	50-150				9/24/18 13:57	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.2	70-130		9/21/18 21:16
Toluene-d8	99.1	70-130		9/21/18 21:16
4-Bromofluorobenzene	101	70-130		9/21/18 21:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00
Sample ID: 18I0925-06
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Acenaphthene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Acenaphthylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(a)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(a)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(b)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(g,h,i)perylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(k)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Chrysene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Dibenz(a,h)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dinitrophenol	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00
Sample ID: 18I0925-06
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Fluorene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Indeno(1,2,3-cd)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Methylnaphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Naphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Phenanthrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.9	15-110		9/26/18 15:48
2-Fluorophenol (SIM)	30.2	15-110		9/26/18 21:33
Phenol-d6	32.2	15-110		9/26/18 15:48
Phenol-d6 (SIM)	29.0	15-110		9/26/18 21:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		64.7	30-130					9/26/18 21:33	
Nitrobenzene-d5		68.0	30-130					9/26/18 15:48	
2-Fluorobiphenyl		70.9	30-130					9/26/18 15:48	
2-Fluorobiphenyl		66.2	30-130					9/26/18 21:33	
2,4,6-Tribromophenol		70.1	15-110					9/26/18 15:48	
2,4,6-Tribromophenol (SIM)		69.1	15-110					9/26/18 21:33	
p-Terphenyl-d14		65.9	30-130					9/26/18 21:33	
p-Terphenyl-d14		81.6	30-130					9/26/18 15:48	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	108	30-150			9/27/18 3:58
Decachlorobiphenyl [2]	113	30-150			9/27/18 3:58
Tetrachloro-m-xylene [1]	96.8	30-150			9/27/18 3:58
Tetrachloro-m-xylene [2]	89.6	30-150			9/27/18 3:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.076	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 14:14	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	85.4	50-150				9/24/18 14:14	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:24	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:37	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	9/20/18	9/20/18 21:49	LED

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Trip Blank | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Trip Blank | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.8	70-130		9/21/18 18:11
Toluene-d8	100	70-130		9/21/18 18:11
4-Bromofluorobenzene	98.5	70-130		9/21/18 18:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213034	1020	1.00	09/21/18
18I0925-02 [MW-15]	B213034	1000	1.00	09/21/18
18I0925-03 [CCA-2]	B213034	1000	1.00	09/21/18
18I0925-04 [CCA-4]	B213034	1000	1.00	09/21/18
18I0925-05 [MW-201]	B213034	1010	1.00	09/21/18
18I0925-06 [Dup-1]	B213034	990	1.00	09/21/18

Prep Method: SW-846 3005A-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213250	50.0	50.0	09/25/18
18I0925-04 [CCA-4]	B213250	50.0	50.0	09/25/18
18I0925-06 [Dup-1]	B213250	50.0	50.0	09/25/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B212990	50.0	50.0	09/20/18
18I0925-04 [CCA-4]	B212990	50.0	50.0	09/20/18
18I0925-06 [Dup-1]	B212990	50.0	50.0	09/20/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213066	6.00	6.00	09/21/18
18I0925-04 [CCA-4]	B213066	6.00	6.00	09/21/18
18I0925-06 [Dup-1]	B213066	6.00	6.00	09/21/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213068	990	9.90	09/21/18
18I0925-02 [MW-15]	B213068	1000	10.0	09/21/18
18I0925-03 [CCA-2]	B213068	980	9.80	09/21/18
18I0925-05 [MW-201]	B213068	1000	10.0	09/21/18
18I0925-06 [Dup-1]	B213068	1040	10.0	09/21/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213013	5	5.00	09/21/18
18I0925-02 [MW-15]	B213013	5	5.00	09/21/18
18I0925-03 [CCA-2]	B213013	5	5.00	09/21/18
18I0925-05 [MW-201]	B213013	5	5.00	09/21/18
18I0925-06 [Dup-1]	B213013	5	5.00	09/21/18
18I0925-07 [Trip Blank]	B213013	5	5.00	09/21/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213141	1040	1.00	09/24/18
18I0925-04 [CCA-4]	B213141	980	1.00	09/24/18
18I0925-06 [Dup-1]	B213141	980	1.00	09/24/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213376	1040	1.00	09/24/18
18I0925-04 [CCA-4]	B213376	980	1.00	09/24/18
18I0925-06 [Dup-1]	B213376	980	1.00	09/24/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18I0925-01 [MW-16]	B213250	50.0	09/25/18
18I0925-04 [CCA-4]	B213250	50.0	09/25/18
18I0925-06 [Dup-1]	B213250	50.0	09/25/18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213013 - SW-846 5030B										
Blank (B213013-BLK1)				Prepared & Analyzed: 09/21/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							V-05
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213013 - SW-846 5030B										
Blank (B213013-BLK1)				Prepared & Analyzed: 09/21/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.3	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7	70-130			
LCS (B213013-BS1)				Prepared & Analyzed: 09/21/18						
Acetone	119	10	µg/L	100		119	70-130			
Acrylonitrile	8.58	2.0	µg/L	10.0		85.8	70-130			
Benzene	9.88	0.50	µg/L	10.0		98.8	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	9.48	0.50	µg/L	10.0		94.8	70-130			
Bromoform	10.9	0.50	µg/L	10.0		109	70-130			
Bromomethane	9.21	1.0	µg/L	10.0		92.1	70-130			
2-Butanone (MEK)	109	5.0	µg/L	100		109	70-130			
n-Butylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
sec-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
tert-Butylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
Carbon Disulfide	10.5	5.0	µg/L	10.0		105	70-130			
Carbon Tetrachloride	8.46	0.50	µg/L	10.0		84.6	70-130			
Chlorobenzene	11.0	0.50	µg/L	10.0		110	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	8.69	0.50	µg/L	10.0		86.9	70-130			
Chloroform	9.17	0.50	µg/L	10.0		91.7	70-130			
Chloromethane	9.04	0.60	µg/L	10.0		90.4	70-130			
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.42	0.50	µg/L	10.0		94.2	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	11.5	0.50	µg/L	10.0		115	70-130			
1,4-Dichlorobenzene	10.7	0.50	µg/L	10.0		107	70-130			
trans-1,4-Dichloro-2-butene	10.1	2.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	7.58	0.50	µg/L	10.0		75.8	70-130			V-05
1,1-Dichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichloroethane	8.41	0.50	µg/L	10.0		84.1	70-130			
1,1-Dichloroethylene	8.67	0.50	µg/L	10.0		86.7	70-130			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B213013 - SW-846 5030B											
LCS (B213013-BS1)				Prepared & Analyzed: 09/21/18							
cis-1,2-Dichloroethylene	9.40	0.50	µg/L	10.0		94.0		70-130			
trans-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5		70-130			
1,2-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130			
1,3-Dichloropropane	9.54	0.50	µg/L	10.0		95.4		70-130			
2,2-Dichloropropane	9.82	0.50	µg/L	10.0		98.2		70-130			
1,1-Dichloropropene	9.48	0.50	µg/L	10.0		94.8		70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
Ethylbenzene	11.1	0.50	µg/L	10.0		111		70-130			
Hexachlorobutadiene	13.2	0.60	µg/L	10.0		**132**	*	70-130			L-01, V-36
2-Hexanone (MBK)	100	5.0	µg/L	100		100		70-130			
Isopropylbenzene (Cumene)	11.7	0.50	µg/L	10.0		117		70-130			
p-Isopropyltoluene (p-Cymene)	11.5	0.50	µg/L	10.0		115		70-130			
Methyl tert-Butyl Ether (MTBE)	9.05	0.50	µg/L	10.0		90.5		70-130			
Methylene Chloride	8.34	5.0	µg/L	10.0		83.4		70-130			
4-Methyl-2-pentanone (MIBK)	92.6	5.0	µg/L	100		92.6		70-130			
Naphthalene	10.8	2.0	µg/L	10.0		108		70-130			
n-Propylbenzene	10.7	1.0	µg/L	10.0		107		70-130			
Styrene	11.4	1.0	µg/L	10.0		114		70-130			
1,1,1,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130			
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111		70-130			
Tetrahydrofuran	9.41	10	µg/L	10.0		94.1		70-130			
Toluene	10.8	1.0	µg/L	10.0		108		70-130			
1,2,3-Trichlorobenzene	11.2	0.50	µg/L	10.0		112		70-130			
1,2,4-Trichlorobenzene	11.3	0.50	µg/L	10.0		113		70-130			
1,1,1-Trichloroethane	9.07	0.50	µg/L	10.0		90.7		70-130			
1,1,2-Trichloroethane	10.5	0.50	µg/L	10.0		105		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	7.75	2.0	µg/L	10.0		77.5		70-130			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.89	0.50	µg/L	10.0		98.9		70-130			
1,2,4-Trimethylbenzene	10.5	0.50	µg/L	10.0		105		70-130			
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130			
Vinyl Chloride	9.00	1.0	µg/L	10.0		90.0		70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108		70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108		70-130			
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.5		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213141 - SW-846 3510C										
Blank (B213141-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-34
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-04
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B213141 - SW-846 3510C											
Blank (B213141-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*98.3*		µg/L	200		49.2	15-110				
Surrogate: Phenol-d6	*68.2*		µg/L	200		34.1	15-110				
Surrogate: Nitrobenzene-d5	*72.6*		µg/L	100		72.6	30-130				
Surrogate: 2-Fluorobiphenyl	*74.4*		µg/L	100		74.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*154*		µg/L	200		77.0	15-110				
Surrogate: p-Terphenyl-d14	*91.9*		µg/L	100		91.9	30-130				
LCS (B213141-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Acenaphthene	32.9	5.0	µg/L	50.0		65.8	40-140				
Acenaphthylene	33.8	5.0	µg/L	50.0		67.6	40-140				
Aniline	31.6	5.0	µg/L	50.0		63.1	40-140			V-34	†
Anthracene	34.6	5.0	µg/L	50.0		69.2	40-140				
Benzo(a)anthracene	37.2	5.0	µg/L	50.0		74.4	40-140				
Benzo(a)pyrene	37.1	5.0	µg/L	50.0		74.2	40-140				
Benzo(b)fluoranthene	34.6	5.0	µg/L	50.0		69.2	40-140				
Benzo(g,h,i)perylene	40.6	5.0	µg/L	50.0		81.2	40-140				
Benzo(k)fluoranthene	35.6	5.0	µg/L	50.0		71.2	40-140				
Bis(2-chloroethoxy)methane	40.3	10	µg/L	50.0		80.5	40-140				
Bis(2-chloroethyl)ether	37.7	10	µg/L	50.0		75.3	40-140				
Bis(2-chloroisopropyl)ether	40.9	10	µg/L	50.0		81.8	40-140				
Bis(2-Ethylhexyl)phthalate	37.0	10	µg/L	50.0		74.1	40-140				
4-Bromophenylphenylether	38.5	10	µg/L	50.0		76.9	40-140				
Butylbenzylphthalate	39.8	10	µg/L	50.0		79.6	40-140				
Carbazole	31.7	10	µg/L	50.0		63.5	40-140				
4-Chloroaniline	34.7	10	µg/L	50.0		69.5	40-140			V-34	†
4-Chloro-3-methylphenol	38.0	10	µg/L	50.0		76.1	30-130				
2-Chloronaphthalene	31.8	10	µg/L	50.0		63.5	40-140				
2-Chlorophenol	35.7	10	µg/L	50.0		71.3	30-130				
4-Chlorophenylphenylether	37.2	10	µg/L	50.0		74.4	40-140				
Chrysene	36.0	5.0	µg/L	50.0		72.0	40-140				
Dibenz(a,h)anthracene	38.6	5.0	µg/L	50.0		77.2	40-140				
Dibenzofuran	35.3	5.0	µg/L	50.0		70.6	40-140				
Di-n-butylphthalate	33.5	10	µg/L	50.0		66.9	40-140				
3,3-Dichlorobenzidine	41.4	10	µg/L	50.0		82.8	40-140			V-34	†
2,4-Dichlorophenol	32.8	10	µg/L	50.0		65.6	30-130				
Diethylphthalate	35.2	10	µg/L	50.0		70.3	40-140				
2,4-Dimethylphenol	39.0	10	µg/L	50.0		78.1	30-130				
Dimethylphthalate	36.5	10	µg/L	50.0		73.1	40-140				
4,6-Dinitro-2-methylphenol	35.4	10	µg/L	50.0		70.9	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B213141 - SW-846 3510C											
LCS (B213141-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18							
2,4-Dinitrophenol	34.8	10	µg/L	50.0		69.5	30-130			V-04	
2,4-Dinitrotoluene	35.0	10	µg/L	50.0		70.0	40-140				
2,6-Dinitrotoluene	37.3	10	µg/L	50.0		74.5	40-140				
Di-n-octylphthalate	36.7	10	µg/L	50.0		73.4	40-140				
Fluoranthene	31.4	5.0	µg/L	50.0		62.7	40-140				
Fluorene	34.6	5.0	µg/L	50.0		69.2	40-140				
Hexachlorobenzene	38.5	10	µg/L	50.0		77.0	40-140				
Hexachlorobutadiene	33.6	10	µg/L	50.0		67.1	40-140				
Hexachlorocyclopentadiene	29.1	10	µg/L	50.0		58.3	30-140			V-04	
Hexachloroethane	32.5	10	µg/L	50.0		65.0	40-140				
Indeno(1,2,3-cd)pyrene	39.8	5.0	µg/L	50.0		79.6	40-140				
Isophorone	38.0	10	µg/L	50.0		76.1	40-140				
2-Methylnaphthalene	36.9	5.0	µg/L	50.0		73.8	40-140				
2-Methylphenol	36.1	10	µg/L	50.0		72.3	30-130				
3/4-Methylphenol	33.8	10	µg/L	50.0		67.6	30-130				
Naphthalene	33.0	5.0	µg/L	50.0		65.9	40-140				
2-Nitroaniline	34.4	10	µg/L	50.0		68.8	40-140				
3-Nitroaniline	35.4	10	µg/L	50.0		70.7	40-140				†
4-Nitroaniline	32.4	10	µg/L	50.0		64.9	40-140				
Nitrobenzene	32.6	10	µg/L	50.0		65.3	40-140				
2-Nitrophenol	36.3	10	µg/L	50.0		72.7	30-130				
4-Nitrophenol	23.9	10	µg/L	50.0		47.8	10-130				
N-Nitrosodiphenylamine	43.9	10	µg/L	50.0		87.9	40-140				
N-Nitrosodi-n-propylamine	38.4	10	µg/L	50.0		76.8	40-140				
Pentachloronitrobenzene	36.8	10	µg/L	50.0		73.7	40-140				
Pentachlorophenol	29.4	10	µg/L	50.0		58.9	30-130				
Phenanthrene	35.2	5.0	µg/L	50.0		70.5	40-140				
Phenol	18.6	10	µg/L	50.0		37.2	20-130				
Pyrene	41.6	5.0	µg/L	50.0		83.3	40-140				
Pyridine	15.5	5.0	µg/L	50.0		31.0	10-140				†
1,2,4,5-Tetrachlorobenzene	34.3	10	µg/L	50.0		68.6	40-140				
1,2,4-Trichlorobenzene	33.6	5.0	µg/L	50.0		67.2	40-140				
2,4,5-Trichlorophenol	37.7	10	µg/L	50.0		75.4	30-130				
2,4,6-Trichlorophenol	36.8	10	µg/L	50.0		73.7	30-130				
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.3	15-110				
Surrogate: Phenol-d6	*75.7*		µg/L	200		37.9	15-110				
Surrogate: Nitrobenzene-d5	*71.2*		µg/L	100		71.2	30-130				
Surrogate: 2-Fluorobiphenyl	*75.0*		µg/L	100		75.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*157*		µg/L	200		78.6	15-110				
Surrogate: p-Terphenyl-d14	*95.0*		µg/L	100		95.0	30-130				
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Acenaphthene	32.7	5.0	µg/L	50.0		65.4	40-140	0.518	20		
Acenaphthylene	33.4	5.0	µg/L	50.0		66.9	40-140	1.16	20		
Aniline	32.3	5.0	µg/L	50.0		64.5	40-140	2.16	50	V-34	† ‡
Anthracene	34.9	5.0	µg/L	50.0		69.8	40-140	0.921	20		
Benzo(a)anthracene	36.6	5.0	µg/L	50.0		73.2	40-140	1.71	20		
Benzo(a)pyrene	36.8	5.0	µg/L	50.0		73.6	40-140	0.758	20		
Benzo(b)fluoranthene	33.6	5.0	µg/L	50.0		67.2	40-140	2.93	20		
Benzo(g,h,i)perylene	40.1	5.0	µg/L	50.0		80.3	40-140	1.12	20		
Benzo(k)fluoranthene	34.8	5.0	µg/L	50.0		69.6	40-140	2.27	20		
Bis(2-chloroethoxy)methane	39.9	10	µg/L	50.0		79.8	40-140	0.898	20		

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B213141 - SW-846 3510C											
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Bis(2-chloroethyl)ether	37.6	10	µg/L	50.0		75.2	40-140	0.133	20		
Bis(2-chloroisopropyl)ether	41.1	10	µg/L	50.0		82.3	40-140	0.561	20		
Bis(2-Ethylhexyl)phthalate	36.6	10	µg/L	50.0		73.2	40-140	1.14	20		
4-Bromophenylphenylether	36.5	10	µg/L	50.0		73.0	40-140	5.31	20		
Butylbenzylphthalate	38.5	10	µg/L	50.0		77.0	40-140	3.32	20		
Carbazole	33.2	10	µg/L	50.0		66.3	40-140	4.41	20		
4-Chloroaniline	33.7	10	µg/L	50.0		67.3	40-140	3.13	20	V-34	†
4-Chloro-3-methylphenol	35.8	10	µg/L	50.0		71.6	30-130	6.15	20		
2-Chloronaphthalene	33.3	10	µg/L	50.0		66.6	40-140	4.73	20		
2-Chlorophenol	35.4	10	µg/L	50.0		70.9	30-130	0.619	20		
4-Chlorophenylphenylether	36.6	10	µg/L	50.0		73.3	40-140	1.57	20		
Chrysene	35.7	5.0	µg/L	50.0		71.4	40-140	0.921	20		
Dibenz(a,h)anthracene	38.2	5.0	µg/L	50.0		76.4	40-140	1.09	20		
Dibenzofuran	35.6	5.0	µg/L	50.0		71.1	40-140	0.649	20		
Di-n-butylphthalate	35.2	10	µg/L	50.0		70.4	40-140	5.01	20		
3,3-Dichlorobenzidine	41.1	10	µg/L	50.0		82.3	40-140	0.630	20	V-34	† ‡
2,4-Dichlorophenol	31.9	10	µg/L	50.0		63.8	30-130	2.81	20		
Diethylphthalate	35.4	10	µg/L	50.0		70.7	40-140	0.595	20		
2,4-Dimethylphenol	35.7	10	µg/L	50.0		71.5	30-130	8.83	20		
Dimethylphthalate	36.2	10	µg/L	50.0		72.3	40-140	1.02	50		
4,6-Dinitro-2-methylphenol	34.9	10	µg/L	50.0		69.7	30-130	1.68	50		
2,4-Dinitrophenol	33.4	10	µg/L	50.0		66.8	30-130	3.96	50	V-04	
2,4-Dinitrotoluene	35.4	10	µg/L	50.0		70.7	40-140	1.02	20		
2,6-Dinitrotoluene	36.4	10	µg/L	50.0		72.8	40-140	2.36	20		
Di-n-octylphthalate	35.5	10	µg/L	50.0		71.0	40-140	3.32	20		
Fluoranthene	34.6	5.0	µg/L	50.0		69.2	40-140	9.82	20		
Fluorene	34.2	5.0	µg/L	50.0		68.4	40-140	1.19	20		
Hexachlorobenzene	37.3	10	µg/L	50.0		74.6	40-140	3.11	20		
Hexachlorobutadiene	35.0	10	µg/L	50.0		70.0	40-140	4.26	20		
Hexachlorocyclopentadiene	29.2	10	µg/L	50.0		58.3	30-140	0.0343	50	V-04	
Hexachloroethane	33.4	10	µg/L	50.0		66.7	40-140	2.61	50		
Indeno(1,2,3-cd)pyrene	39.2	5.0	µg/L	50.0		78.5	40-140	1.39	50		
Isophorone	37.1	10	µg/L	50.0		74.1	40-140	2.58	20		
2-Methylnaphthalene	36.0	5.0	µg/L	50.0		72.0	40-140	2.41	20		
2-Methylphenol	34.0	10	µg/L	50.0		67.9	30-130	6.22	20		
3/4-Methylphenol	31.0	10	µg/L	50.0		61.9	30-130	8.77	20		
Naphthalene	33.6	5.0	µg/L	50.0		67.3	40-140	2.07	20		
2-Nitroaniline	34.0	10	µg/L	50.0		67.9	40-140	1.32	20		
3-Nitroaniline	35.8	10	µg/L	50.0		71.6	40-140	1.26	20		†
4-Nitroaniline	34.8	10	µg/L	50.0		69.5	40-140	6.88	20		
Nitrobenzene	33.3	10	µg/L	50.0		66.6	40-140	1.91	20		
2-Nitrophenol	36.0	10	µg/L	50.0		72.1	30-130	0.801	20		
4-Nitrophenol	24.0	10	µg/L	50.0		48.1	10-130	0.626	50		‡
N-Nitrosodiphenylamine	42.2	10	µg/L	50.0		84.3	40-140	4.16	20		
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.8	40-140	5.37	20		
Pentachloronitrobenzene	36.6	10	µg/L	50.0		73.1	40-140	0.790	20		
Pentachlorophenol	26.7	10	µg/L	50.0		53.3	30-130	9.88	50		
Phenanthrene	35.2	5.0	µg/L	50.0		70.3	40-140	0.227	20		
Phenol	17.3	10	µg/L	50.0		34.6	20-130	7.24	20		
Pyrene	37.8	5.0	µg/L	50.0		75.6	40-140	9.64	20		
Pyridine	19.5	5.0	µg/L	50.0		38.9	10-140	22.6	50		†
1,2,4,5-Tetrachlorobenzene	35.0	10	µg/L	50.0		70.0	40-140	2.08	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213141 - SW-846 3510C										
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18						
1,2,4-Trichlorobenzene	34.1	5.0	µg/L	50.0		68.3	40-140	1.59	20	
2,4,5-Trichlorophenol	36.9	10	µg/L	50.0		73.8	30-130	2.20	20	
2,4,6-Trichlorophenol	36.5	10	µg/L	50.0		73.0	30-130	0.955	50	
Surrogate: 2-Fluorophenol	*100*		µg/L	200		50.1	15-110			
Surrogate: Phenol-d6	*70.7*		µg/L	200		35.4	15-110			
Surrogate: Nitrobenzene-d5	*71.7*		µg/L	100		71.7	30-130			
Surrogate: 2-Fluorobiphenyl	*75.6*		µg/L	100		75.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		79.2	15-110			
Surrogate: p-Terphenyl-d14	*86.8*		µg/L	100		86.8	30-130			
Batch B213376 - SW-846 3510C										
Blank (B213376-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*73.9*		µg/L	200		36.9	15-110			
Surrogate: Phenol-d6	*55.5*		µg/L	200		27.7	15-110			
Surrogate: Nitrobenzene-d5	*66.5*		µg/L	100		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	*66.0*		µg/L	100		66.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*167*		µg/L	200		83.4	15-110			
Surrogate: p-Terphenyl-d14	*65.9*		µg/L	100		65.9	30-130			
LCS (B213376-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	34.2	7.5	µg/L	50.0		68.4	40-140			
Acenaphthylene (SIM)	34.8	7.5	µg/L	50.0		69.5	40-140			
Anthracene (SIM)	37.4	5.0	µg/L	50.0		74.8	40-140			
Benzo(a)anthracene (SIM)	37.8	1.2	µg/L	50.0		75.7	40-140			
Benzo(a)pyrene (SIM)	40.6	2.5	µg/L	50.0		81.2	40-140			
Benzo(b)fluoranthene (SIM)	41.4	1.2	µg/L	50.0		82.8	40-140			
Benzo(g,h,i)perylene (SIM)	33.1	12	µg/L	50.0		66.2	40-140			
Benzo(k)fluoranthene (SIM)	39.6	5.0	µg/L	50.0		79.2	40-140			
Chrysene (SIM)	37.2	5.0	µg/L	50.0		74.3	40-140			
Dibenz(a,h)anthracene (SIM)	38.5	5.0	µg/L	50.0		77.0	40-140			
Fluoranthene (SIM)	36.4	12	µg/L	50.0		72.9	40-140			
Fluorene (SIM)	35.8	25	µg/L	50.0		71.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	36.7	5.0	µg/L	50.0		73.4	40-140			
2-Methylnaphthalene (SIM)	35.4	25	µg/L	50.0		70.9	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213376 - SW-846 3510C										
LCS (B213376-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Naphthalene (SIM)	33.8	25	µg/L	50.0		67.6	40-140			
Pentachlorophenol (SIM)	31.3	25	µg/L	50.0		62.6	40-140			
Phenanthrene (SIM)	36.0	1.2	µg/L	50.0		72.0	40-140			
Pyrene (SIM)	36.1	25	µg/L	50.0		72.2	40-140			
Surrogate: 2-Fluorophenol	*54.1*		µg/L	200		27.0	15-110			
Surrogate: Phenol-d6	*57.4*		µg/L	200		28.7	15-110			
Surrogate: Nitrobenzene-d5	*63.2*		µg/L	100		63.2	30-130			
Surrogate: 2-Fluorobiphenyl	*59.4*		µg/L	100		59.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*91.2*		µg/L	200		45.6	15-110			
Surrogate: p-Terphenyl-d14	*60.1*		µg/L	100		60.1	30-130			
LCS Dup (B213376-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	34.3	7.5	µg/L	50.0		68.6	40-140	0.292	20	
Acenaphthylene (SIM)	34.8	7.5	µg/L	50.0		69.5	40-140	0.00	20	
Anthracene (SIM)	38.4	5.0	µg/L	50.0		76.9	40-140	2.84	20	
Benzo(a)anthracene (SIM)	38.3	1.2	µg/L	50.0		76.6	40-140	1.25	20	
Benzo(a)pyrene (SIM)	40.8	2.5	µg/L	50.0		81.6	40-140	0.430	20	
Benzo(b)fluoranthene (SIM)	42.0	1.2	µg/L	50.0		83.9	40-140	1.38	20	
Benzo(g,h,i)perylene (SIM)	36.6	12	µg/L	50.0		73.2	40-140	10.2	20	
Benzo(k)fluoranthene (SIM)	39.9	5.0	µg/L	50.0		79.8	40-140	0.629	20	
Chrysene (SIM)	37.8	5.0	µg/L	50.0		75.5	40-140	1.60	20	
Dibenz(a,h)anthracene (SIM)	39.2	5.0	µg/L	50.0		78.4	40-140	1.87	20	
Fluoranthene (SIM)	37.6	12	µg/L	50.0		75.2	40-140	3.17	20	
Fluorene (SIM)	36.4	25	µg/L	50.0		72.7	40-140	1.66	20	
Indeno(1,2,3-cd)pyrene (SIM)	39.4	5.0	µg/L	50.0		78.8	40-140	6.96	20	‡
2-Methylnaphthalene (SIM)	34.8	25	µg/L	50.0		69.7	40-140	1.71	20	
Naphthalene (SIM)	32.8	25	µg/L	50.0		65.6	40-140	3.00	20	
Pentachlorophenol (SIM)	32.7	25	µg/L	50.0		65.4	40-140	4.53	20	
Phenanthrene (SIM)	36.0	1.2	µg/L	50.0		72.0	40-140	0.139	20	
Pyrene (SIM)	35.5	25	µg/L	50.0		71.0	40-140	1.67	20	
Surrogate: 2-Fluorophenol	*67.6*		µg/L	200		33.8	15-110			
Surrogate: Phenol-d6	*53.8*		µg/L	200		26.9	15-110			
Surrogate: Nitrobenzene-d5	*62.7*		µg/L	100		62.7	30-130			
Surrogate: 2-Fluorobiphenyl	*59.8*		µg/L	100		59.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*97.9*		µg/L	200		49.0	15-110			
Surrogate: p-Terphenyl-d14	*57.4*		µg/L	100		57.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213068 - SW-846 3510C										
Blank (B213068-BLK1)				Prepared: 09/21/18 Analyzed: 09/23/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.85*		µg/L	2.00		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.80*		µg/L	2.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/L	2.00		89.6	30-150			
LCS (B213068-BS1)				Prepared: 09/21/18 Analyzed: 09/23/18						
Aroclor-1016	0.57	0.20	µg/L	0.500		114	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		109	40-140			
Aroclor-1260	0.44	0.20	µg/L	0.500		88.4	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.5	40-140			
Surrogate: Decachlorobiphenyl	*1.74*		µg/L	2.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/L	2.00		94.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.4	30-150			
LCS Dup (B213068-BSD1)				Prepared: 09/21/18 Analyzed: 09/23/18						
Aroclor-1016	0.62	0.20	µg/L	0.500		123	40-140	7.86	20	
Aroclor-1016 [2C]	0.60	0.20	µg/L	0.500		121	40-140	9.89	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.1	40-140	11.4	20	
Aroclor-1260 [2C]	0.52	0.20	µg/L	0.500		105	40-140	8.33	20	
Surrogate: Decachlorobiphenyl	*1.99*		µg/L	2.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/L	2.00		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/L	2.00		90.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213034 - SW-846 3510C										
Blank (B213034-BLK1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0839*		mg/L	0.100		83.9	50-150			
LCS (B213034-BS1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	0.898	0.075	mg/L	1.00		89.8	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0894*		mg/L	0.100		89.4	50-150			
LCS Dup (B213034-BSD1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	0.730	0.075	mg/L	1.00		73.0	60-120	20.7	30	
Surrogate: 2-Fluorobiphenyl	*0.0874*		mg/L	0.100		87.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213066 - SW-846 7470A Prep										
Blank (B213066-BLK1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	ND	0.00010	mg/L							
LCS (B213066-BS1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	0.00184	0.00010	mg/L	0.00200		91.9	80-120			
LCS Dup (B213066-BSD1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	0.00185	0.00010	mg/L	0.00200		92.4	80-120	0.498	20	
Batch B213250 - SW-846 3005A										
Blank (B213250-BLK1)				Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B213250-BS1)				Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	507	4.0	µg/L	500		101	80-120			
Barium	509	100	µg/L	500		102	80-120			
Cadmium	507	5.0	µg/L	500		101	80-120			
Chromium	521	10	µg/L	500		104	80-120			
Copper	1000	50	µg/L	1000		100	80-120			
Lead	503	10	µg/L	500		101	80-120			
Selenium	518	50	µg/L	500		104	80-120			
Silver	489	5.0	µg/L	500		97.8	80-120			
LCS Dup (B213250-BSD1)				Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	515	4.0	µg/L	500		103	80-120	1.50	20	
Barium	516	100	µg/L	500		103	80-120	1.35	20	
Cadmium	516	5.0	µg/L	500		103	80-120	1.84	20	
Chromium	530	10	µg/L	500		106	80-120	1.59	20	
Copper	1010	50	µg/L	1000		101	80-120	1.15	20	
Lead	513	10	µg/L	500		103	80-120	1.89	20	
Selenium	522	50	µg/L	500		104	80-120	0.712	20	
Silver	501	5.0	µg/L	500		100	80-120	2.45	20	
Duplicate (B213250-DUP1)	**Source: 18I0925-01**			Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	ND	2.0	µg/L		ND			NC	20	
Barium	ND	50	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	ND	25	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213250 - SW-846 3005A										
Matrix Spike (B213250-MS1)	**Source: 18I0925-01**			Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	512	4.0	µg/L	500	ND	102	75-125			
Barium	529	100	µg/L	500	ND	106	75-125			
Cadmium	527	5.0	µg/L	500	ND	105	75-125			
Chromium	532	10	µg/L	500	ND	106	75-125			
Copper	1030	50	µg/L	1000	ND	103	75-125			
Lead	516	10	µg/L	500	ND	103	75-125			
Selenium	517	50	µg/L	500	ND	103	75-125			
Silver	485	5.0	µg/L	500	ND	97.0	75-125			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B212990 - SW-846 7196A										
Blank (B212990-BLK1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B212990-BS1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100		98.1	80-120			
LCS Dup (B212990-BSD1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		95.4	80-120	2.82	20	
Duplicate (B212990-DUP1)		**Source: 18I0925-06**		Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B212990-MS1)		**Source: 18I0925-06**		Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.087	0.0040	mg/L	0.100	ND	87.2	75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B213068-BS1 Date(s) Analyzed: 09/23/2018 09/23/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.55	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.48	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B213068-BSD1 Date(s) Analyzed: 09/23/2018 09/23/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.60	3.3
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.52	3.9

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

18Do425

MEK

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Turnaround Time (Business Days)
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Prior Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper	# of Containers	[2] Preservation Code	[3] Container Code
								3	2	2	2	1	1			
								H	I	I	I	N	I			
								V	A	A	A	P	P			
1	MW-16	9/20/18	815		X	GW	U	X	X	X	X	X	X			
2	MW-15	"	920		"	"	"	X	X	X						
3	CCA-2		1030					X	X	X						
4	CCA-4		1140							X	X	X	X			
5	~~MW-200~~ MW-201		1230					X	X	X						
6	Dup-1		—					X	X	X	X	X	X			
7	Trip Blank	↓	—		↓	↓	↓	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Weston & Sampson directly, using Eversource rates.

Please send results to: yellenl@wseinc.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[illegible] 9/20/18	1800
Received by: (signature)	Date/Time:
[illegible] 9-20-18	1800
Relinquished by: (signature)	Date/Time:
[illegible] 9-20-18	1940
Received by: (signature)	Date/Time:
[illegible] 9-20-18	19:40 3.0
Relinquished by: (signature)	Date/Time: 4.4
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GW CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Weston & Sampson

Received By: ESD | Date: 9-20-18 | Time: 19:40

How were the samples received? In Cooler: T | No Cooler: | On Ice: T | No Ice:
Direct from Sampling: | Ambient: | Melted Ice:

Were samples within Temperature? 2-6°C: T | By Gun #: 577 | Actual Temp - 3.0, 4.4
By Blank #: | Actual Temp -

Was Custody Seal Intact? NA | Were Samples Tampered with? NA
Was COC Relinquished ? T | Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T | Were samples received within holding time? T

Did COC include all pertinent Information?			Analysis ID's		Sampler Name / Collection Dates/Times	
	Client	T	T	T	T	T
	Project	T				

Are Sample labels filled out and legible? T

Are there Lab to Filters?	F	Who was notified?	
Are there Rushes?	F	Who was notified?	
Are there Short Holds?	T	Who was notified?	Lee
Is there enough Volume?	T		
Is there Headspace where applicable?	F	MS/MSD?	F
Proper Media/Containers Used?	T	Is splitting samples required?	F
Were trip blanks received?	T F NA	On COC?	NA F T
Do all samples have the proper pH?	T	Acid: PHCZ	Base:

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	28	1 Liter Plastic		16 oz Amb.	
HCL-	OLF 17	500 mL Amb.		500 mL Plastic	3	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	3	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A092418.SEC\A0924021.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0924021.D
Data File Path	X:\HPCHEM\1\DATA\A092418.SEC\
Operator	RMW
Date Acquired	9/24/2018 11:48
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.19	321241	343422	6
c - 10	1.54	327306	343422	5
c - 12	2.28	332106	343422	3
c - 14	2.94	342444	343422	0
c - 16	3.54	346514	343422	-1
c - 18	4.13	345813	343422	-1
c - 20	4.74	347805	343422	-1
c - 22	5.25	348833	343422	-2
c - 24	5.69	346265	343422	-1
c - 26	6.08	345115	343422	0
c - 28	6.44	347331	343422	-1
c - 30	6.77	352559	343422	-3
c - 32	7.08	345482	343422	-1
c - 34	7.37	347896	343422	-1
c - 36	7.66	354618	343422	-3

*One compound allowed %D </=50%

Samples

18I0925-01
18I0925-02
18I0925-03
18I0925-04
18I0925-05
18I0925-06
18I0729-04RE1

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury AWC

Project Number: 18I0925

Laboratory Sample ID(s):

18I0925-01 thru 18I0925-07

Sample Date(s):

09/20/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020B, SW-846 7196A, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Tod E. Kopyscinski

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.

Authorized Signature: Tod Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 09/27/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
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October 2, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18I1034

Enclosed are results of analyses for samples received by the laboratory on September 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 10/2/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-200	18I1034-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18I1034-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18I1034-03	Ground Water		CTDEP ETPH	
MW-203	18I1034-04	Ground Water		CTDEP ETPH	
Trip Blank	18I1034-05	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B213284-BS1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

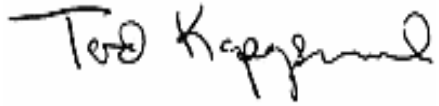
Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B213284-BS1, B213284-BSD1

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.0	70-130			9/25/18 19:58
Toluene-d8	97.6	70-130			9/25/18 19:58
4-Bromofluorobenzene	103	70-130			9/25/18 19:58

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/27/18 23:25
Decachlorobiphenyl [2]	110	30-150		9/27/18 23:25
Tetrachloro-m-xylene [1]	103	30-150		9/27/18 23:25
Tetrachloro-m-xylene [2]	108	30-150		9/27/18 23:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.093	0.070	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 14:51	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.5	50-150				9/27/18 14:51	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		9/25/18 20:28
Toluene-d8	97.9	70-130		9/25/18 20:28
4-Bromofluorobenzene	101	70-130		9/25/18 20:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/27/18 23:43
Decachlorobiphenyl [2]	110	30-150		9/27/18 23:43
Tetrachloro-m-xylene [1]	105	30-150		9/27/18 23:43
Tetrachloro-m-xylene [2]	110	30-150		9/27/18 23:43

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.094	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:09	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	114	50-150				9/27/18 15:09	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-202 | Sampled: 9/21/2018 10:40

Sample ID: 18I1034-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:27	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.3	50-150				9/27/18 15:27	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-203 | Sampled: 9/21/2018 11:50

Sample ID: 18I1034-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:45	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	62.8	50-150				9/27/18 15:45	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: Trip Blank | Sampled: 9/21/2018 00:00

Sample ID: 18I1034-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: Trip Blank | Sampled: 9/21/2018 00:00

Sample ID: 18I1034-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		9/25/18 15:22
Toluene-d8	100	70-130		9/25/18 15:22
4-Bromofluorobenzene	97.7	70-130		9/25/18 15:22

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213299	960	0.900	09/26/18
18I1034-02 [CCA-5]	B213299	1000	1.00	09/26/18
18I1034-03 [MW-202]	B213299	1000	1.00	09/26/18
18I1034-04 [MW-203]	B213299	1000	1.00	09/26/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213284	1000	10.0	09/25/18
18I1034-02 [CCA-5]	B213284	1000	10.0	09/25/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213206	5	5.00	09/25/18
18I1034-02 [CCA-5]	B213206	5	5.00	09/25/18
18I1034-05 [Trip Blank]	B213206	5	5.00	09/25/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213206 - SW-846 5030B										
Blank (B213206-BLK1)				Prepared & Analyzed: 09/25/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213206 - SW-846 5030B										
Blank (B213206-BLK1)				Prepared & Analyzed: 09/25/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.8	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102	70-130			
LCS (B213206-BS1)				Prepared & Analyzed: 09/25/18						
Acetone	92.2	10	µg/L	100		92.2	70-130			
Acrylonitrile	9.43	2.0	µg/L	10.0		94.3	70-130			
Benzene	9.52	0.50	µg/L	10.0		95.2	70-130			
Bromobenzene	9.65	0.50	µg/L	10.0		96.5	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	10.5	0.50	µg/L	10.0		105	70-130			
Bromomethane	8.78	1.0	µg/L	10.0		87.8	70-130			
2-Butanone (MEK)	87.0	5.0	µg/L	100		87.0	70-130			
n-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
sec-Butylbenzene	9.32	1.0	µg/L	10.0		93.2	70-130			
tert-Butylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130			
Carbon Disulfide	95.6	5.0	µg/L	100		95.6	70-130			
Carbon Tetrachloride	11.2	0.50	µg/L	10.0		112	70-130			
Chlorobenzene	9.64	0.50	µg/L	10.0		96.4	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.7	0.50	µg/L	10.0		107	70-130			
Chloromethane	8.79	0.60	µg/L	10.0		87.9	70-130			
2-Chlorotoluene	10.1	0.50	µg/L	10.0		101	70-130			
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.18	5.0	µg/L	10.0		81.8	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	9.16	0.50	µg/L	10.0		91.6	70-130			
1,3-Dichlorobenzene	9.41	0.50	µg/L	10.0		94.1	70-130			
1,4-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5	70-130			
trans-1,4-Dichloro-2-butene	9.81	2.0	µg/L	10.0		98.1	70-130			
Dichlorodifluoromethane (Freon 12)	11.1	0.50	µg/L	10.0		111	70-130			
1,1-Dichloroethane	9.85	0.50	µg/L	10.0		98.5	70-130			
1,2-Dichloroethane	10.5	0.50	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	10.7	0.50	µg/L	10.0		107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213206 - SW-846 5030B										
LCS (B213206-BS1)				Prepared & Analyzed: 09/25/18						
cis-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2-Dichloropropane	9.90	0.50	µg/L	10.0		99.0	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,1-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130			
Ethylbenzene	9.55	0.50	µg/L	10.0		95.5	70-130			
Hexachlorobutadiene	10.8	1.0	µg/L	10.0		108	70-130			
2-Hexanone (MBK)	94.8	5.0	µg/L	100		94.8	70-130			
Isopropylbenzene (Cumene)	9.74	0.50	µg/L	10.0		97.4	70-130			
p-Isopropyltoluene (p-Cymene)	9.34	0.50	µg/L	10.0		93.4	70-130			
Methyl tert-Butyl Ether (MTBE)	9.77	0.50	µg/L	10.0		97.7	70-130			
Methylene Chloride	8.89	5.0	µg/L	10.0		88.9	70-130			
4-Methyl-2-pentanone (MIBK)	95.2	5.0	µg/L	100		95.2	70-130			
Naphthalene	7.36	2.0	µg/L	10.0		73.6	70-130			
n-Propylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,1,1,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	9.50	0.50	µg/L	10.0		95.0	70-130			
Tetrachloroethylene	12.2	1.0	µg/L	10.0		122	70-130			
Tetrahydrofuran	8.51	10	µg/L	10.0		85.1	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.13	5.0	µg/L	10.0		81.3	70-130			
1,2,4-Trichlorobenzene	7.97	5.0	µg/L	10.0		79.7	70-130			
1,1,1-Trichloroethane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130			
1,2,3-Trichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	0.50	µg/L	10.0		114	70-130			
1,2,4-Trimethylbenzene	9.51	0.50	µg/L	10.0		95.1	70-130			
1,3,5-Trimethylbenzene	9.92	0.50	µg/L	10.0		99.2	70-130			
Vinyl Chloride	10.1	1.0	µg/L	10.0		101	70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.61	1.0	µg/L	10.0		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.1	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B213284 - SW-846 3510C											
Blank (B213284-BLK1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	ND	0.040	µg/L								
Aroclor-1016 [2C]	ND	0.040	µg/L								
Aroclor-1221	ND	0.040	µg/L								
Aroclor-1221 [2C]	ND	0.040	µg/L								
Aroclor-1232	ND	0.040	µg/L								
Aroclor-1232 [2C]	ND	0.040	µg/L								
Aroclor-1242	ND	0.040	µg/L								
Aroclor-1242 [2C]	ND	0.040	µg/L								
Aroclor-1248	ND	0.040	µg/L								
Aroclor-1248 [2C]	ND	0.040	µg/L								
Aroclor-1254	ND	0.040	µg/L								
Aroclor-1254 [2C]	ND	0.040	µg/L								
Aroclor-1260	ND	0.040	µg/L								
Aroclor-1260 [2C]	ND	0.040	µg/L								
Aroclor-1262	ND	0.040	µg/L								
Aroclor-1262 [2C]	ND	0.040	µg/L								
Aroclor-1268	ND	0.040	µg/L								
Aroclor-1268 [2C]	ND	0.040	µg/L								
Surrogate: Decachlorobiphenyl	*0.357*		µg/L	0.400		89.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.394*		µg/L	0.400		98.5		30-150			
Surrogate: Tetrachloro-m-xylene	*0.434*		µg/L	0.400		108		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.500*		µg/L	0.400		125		30-150			
LCS (B213284-BS1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	0.60	0.20	µg/L	0.500		119		40-140			
Aroclor-1016 [2C]	0.71	0.20	µg/L	0.500		**142**	*	40-140			V-06, L-07
Aroclor-1260	0.58	0.20	µg/L	0.500		116		40-140			
Aroclor-1260 [2C]	0.65	0.20	µg/L	0.500		129		40-140			
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		99.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.23*		µg/L	2.00		111		30-150			
Surrogate: Tetrachloro-m-xylene	*2.33*		µg/L	2.00		116		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.71*		µg/L	2.00		136		30-150			
LCS Dup (B213284-BSD1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	0.49	0.20	µg/L	0.500		98.6		40-140	18.8	20	
Aroclor-1016 [2C]	0.62	0.20	µg/L	0.500		124		40-140	14.0	20	V-06
Aroclor-1260	0.49	0.20	µg/L	0.500		97.2		40-140	17.4	20	
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		110		40-140	15.8	20	
Surrogate: Decachlorobiphenyl	*1.66*		µg/L	2.00		83.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/L	2.00		93.4		30-150			
Surrogate: Tetrachloro-m-xylene	*1.98*		µg/L	2.00		99.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.32*		µg/L	2.00		116		30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213299 - SW-846 3510C										
Blank (B213299-BLK1)				Prepared: 09/26/18 Analyzed: 09/27/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0692*		mg/L	0.100		69.2	50-150			
LCS (B213299-BS1)				Prepared: 09/26/18 Analyzed: 09/28/18						
CT ETPH	0.619	0.075	mg/L	1.00		61.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0721*		mg/L	0.100		72.1	50-150			
LCS Dup (B213299-BSD1)				Prepared: 09/26/18 Analyzed: 09/28/18						
CT ETPH	0.639	0.075	mg/L	1.00		63.9	60-120	3.23	30	
Surrogate: 2-Fluorobiphenyl	*0.0757*		mg/L	0.100		75.7	50-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME



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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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18I1034

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Required Turnaround Time: 7-Day ☐ 10-Day ☐ Other: ☐ 5-7 Bus. Days ☑

Prior Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☑ EXCEL ☑ Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper	# of Containers
								3	2	2	2	1	1	[2] Preservation Code
								H	I	I	I	N	I	
								V	A	A	A	P	P	[3] Container Code
1	MW-200	9/21/18	845		X	GW	U	X	X	X				
2	CCA-5		915					X	X	X				
3	MW-202		1040							X				
4	MW-203		1150							X				
5	TRIP BLANK	—	—					X						

Preserved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

[1] **Matrix Codes:** GW = Ground Water; WW = Waste Water; DW = Drinking Water; A = Air; S = Soil/Solid; SL = Sludge; O = Other (please define) _____

[2] **Preservation Codes:** I = Iced; H = HCL; M = Methanol; N = Nitric Acid; S = Sulfuric Acid; B = Sodium Bisulfate; X = Sodium Hydroxide; T = Sodium Thiosulfate; O = Other (please define) _____

[3] **Container Codes:** A = Amber Glass; G = Glass; P = Plastic; ST = Sterile; V = Vial; S = Summa Canister; T = Tedlar Bag; O = Other (please define) _____

Comments: (1) Please bill Weston & Sampson directly, using Eversource rates.

Please send results to:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/21/18 1305	
Received by: (signature)	Date/Time: 9/21/18 1305	
Relinquished by: (signature)	Date/Time: 9/24/18 1645	
Received by: (signature)	Date/Time: 9/26/18 16:45	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA: _____
CT: CTDEEP RSRs (includes RES DEC & GA PMC)
Other: _____

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client W+S

Received By NP Date 9/24/18 Time 16:45

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 5.3, 3.4
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? T
Is there enough Volume? T
Is there Headspace where applicable? F
Proper Media/Containers Used? T
Were trip blanks received? T
Do all samples have the proper pH? N/A

Who was notified? ____
Who was notified? ____
Who was notified? Luke
MS/MSD? F
Is splitting samples required? F
On COC? T
Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	12	1 Liter Plastic		16 oz Amb.	
HCL-	8	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A092718\A0927016.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0927016.D
Data File Path	X:\HPCHEM\1\DATA\A092718\
Date Acquired	9/27/2018 1:37
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	0.97	388653	423370	8
c - 10	1.31	397146	423370	6
c - 12	2.03	410682	423370	3
c - 14	2.70	431568	423370	-2
c - 16	3.29	444637	423370	-5
c - 18	3.85	447454	423370	-6
c - 20	4.46	450130	423370	-6
c - 22	5.00	447482	423370	-6
c - 24	5.45	436202	423370	-3
c - 26	5.84	425299	423370	0
c - 28	6.20	418227	423370	1
c - 30	6.54	414967	423370	2
c - 32	6.85	403720	423370	5
c - 34	7.14	409594	423370	3
c - 36	7.42	424796	423370	0

*One compound allowed %D </=50%

Samples

18I0995-01
18I1034-01
18I1034-02
18I1034-03
18I1034-04
18I1077-01
18I0922-01
18I0922-02
18I0922-03
18I0922-04
18I0955-05
18I0955-09@10X
18I0973-10

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18I1034

Laboratory Sample ID(s):
18I1034-01 thru 18I1034-05

Sample Date(s):
09/21/2018

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A, SW-846 8260C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Tod E. Kopyscinski

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.

Authorized Signature: Tod Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 10/02/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 28, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury AWC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18L0967

Enclosed are results of analyses for samples received by the laboratory on December 19, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 12/28/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0967

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury AWC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18L0967-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-15	18L0967-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-2	18L0967-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-201	18L0967-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18L0967-05	Ground Water		CTDEP ETPH	
MW-203	18L0967-06	Ground Water		CTDEP ETPH	
DUP-1	18L0967-07	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18L0967-08	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

Naphthalene
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Naphthalene
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Acrylonitrile
B219770-BS1, S030683-CCV1

Chloromethane
B219770-BS1, S030683-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Acetone
B219770-BS1, S030683-CCV1

Carbon Disulfide
B219770-BS1, S030683-CCV1

SW-846 8270D

Qualifications:

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18L0967-01[MW-16], 18L0967-07[DUP-1]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B219876-BS1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol
B219876-BLK1, B219876-BS1, B219876-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

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V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

Aniline

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

SW-846 8260C

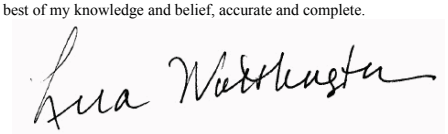
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 1:33	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.7	70-130		12/22/18 1:33
Toluene-d8	101	70-130		12/22/18 1:33
4-Bromofluorobenzene	101	70-130		12/22/18 1:33

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Aniline	ND	5.0	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Nitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.2	15-110		12/26/18 15:05
2-Fluorophenol (SIM)	56.5	15-110		12/26/18 14:49
Phenol-d6	26.0	15-110		12/26/18 15:05
Phenol-d6 (SIM)	34.0	15-110		12/26/18 14:49
Nitrobenzene-d5	106	30-130		12/26/18 14:49
Nitrobenzene-d5	96.6	30-130		12/26/18 15:05
2-Fluorobiphenyl	89.2	30-130		12/26/18 15:05
2-Fluorobiphenyl	64.8	30-130		12/26/18 14:49
2,4,6-Tribromophenol	106	15-110		12/26/18 15:05
2,4,6-Tribromophenol (SIM)	103	15-110		12/26/18 14:49
p-Terphenyl-d14	92.4	30-130		12/26/18 14:49
p-Terphenyl-d14	101	30-130		12/26/18 15:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	78.1	30-150		12/27/18 16:55	
Decachlorobiphenyl [2]	89.1	30-150		12/27/18 16:55	
Tetrachloro-m-xylene [1]	83.5	30-150		12/27/18 16:55	
Tetrachloro-m-xylene [2]	87.4	30-150		12/27/18 16:55	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.12	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:58	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	76.3	50-150				12/26/18 23:58	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/26/18 6:36	MJH
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/20/18	12/21/18 13:43	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/19/18	12/19/18 18:52	AIA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 2:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		12/22/18 2:04
Toluene-d8	102	70-130		12/22/18 2:04
4-Bromofluorobenzene	97.0	70-130		12/22/18 2:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.0	30-150		12/27/18 17:07
Decachlorobiphenyl [2]	71.6	30-150		12/27/18 17:07
Tetrachloro-m-xylene [1]	82.2	30-150		12/27/18 17:07
Tetrachloro-m-xylene [2]	85.8	30-150		12/27/18 17:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:05	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	63.0	50-150		12/26/18 23:05

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 2:35	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		12/22/18 2:35
Toluene-d8	101	70-130		12/22/18 2:35
4-Bromofluorobenzene	102	70-130		12/22/18 2:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.9	30-150		12/27/18 17:20
Decachlorobiphenyl [2]	77.4	30-150		12/27/18 17:20
Tetrachloro-m-xylene [1]	75.7	30-150		12/27/18 17:20
Tetrachloro-m-xylene [2]	79.3	30-150		12/27/18 17:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:23	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	72.2	50-150		12/26/18 23:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 3:05	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		12/22/18 3:05
Toluene-d8	99.0	70-130		12/22/18 3:05
4-Bromofluorobenzene	102	70-130		12/22/18 3:05

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		12/27/18 17:32
Decachlorobiphenyl [2]	88.9	30-150		12/27/18 17:32
Tetrachloro-m-xylene [1]	80.3	30-150		12/27/18 17:32
Tetrachloro-m-xylene [2]	83.8	30-150		12/27/18 17:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.075	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:40	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.3	50-150				12/26/18 23:40	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-202 | Sampled: 12/19/2018 13:45

Sample ID: 18L0967-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 0:15	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.6	50-150				12/27/18 0:15	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-203 | Sampled: 12/19/2018 14:10

Sample ID: 18L0967-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.23	0.074	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 0:51	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.2	50-150				12/27/18 0:51	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 3:36	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		12/22/18 3:36
Toluene-d8	101	70-130		12/22/18 3:36
4-Bromofluorobenzene	102	70-130		12/22/18 3:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Nitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.7	15-110		12/26/18 15:33
2-Fluorophenol (SIM)	49.7	15-110		12/26/18 15:17
Phenol-d6	26.8	15-110		12/26/18 15:33
Phenol-d6 (SIM)	31.6	15-110		12/26/18 15:17
Nitrobenzene-d5	94.5	30-130		12/26/18 15:33
Nitrobenzene-d5	97.3	30-130		12/26/18 15:17
2-Fluorobiphenyl	88.4	30-130		12/26/18 15:33
2-Fluorobiphenyl	58.6	30-130		12/26/18 15:17
2,4,6-Tribromophenol	105	15-110		12/26/18 15:33
2,4,6-Tribromophenol (SIM)	94.9	15-110		12/26/18 15:17
p-Terphenyl-d14	101	30-130		12/26/18 15:33
p-Terphenyl-d14	84.1	30-130		12/26/18 15:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.9	30-150		12/27/18 17:45
Decachlorobiphenyl [2]	70.4	30-150		12/27/18 17:45
Tetrachloro-m-xylene [1]	75.6	30-150		12/27/18 17:45
Tetrachloro-m-xylene [2]	79.2	30-150		12/27/18 17:45

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.074	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 1:08	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	89.0	50-150				12/27/18 1:08	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/26/18 6:36	MJH
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/20/18	12/21/18 13:45	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/19/18	12/19/18 18:52	AIA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: Trip Blank | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: Trip Blank | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 1:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.0	70-130		12/22/18 1:02
Toluene-d8	98.3	70-130		12/22/18 1:02
4-Bromofluorobenzene	99.7	70-130		12/22/18 1:02

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219927	1030	1.00	12/24/18
18L0967-02 [MW-15]	B219927	1030	1.00	12/24/18
18L0967-03 [CCA-2]	B219927	1030	1.00	12/24/18
18L0967-04 [MW-201]	B219927	1000	1.00	12/24/18
18L0967-05 [MW-202]	B219927	1030	1.00	12/24/18
18L0967-06 [MW-203]	B219927	1020	1.00	12/24/18
18L0967-07 [DUP-1]	B219927	1010	1.00	12/24/18

Prep Method: SW-846 3005A-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219822	50.0	50.0	12/21/18
18L0967-07 [DUP-1]	B219822	50.0	50.0	12/21/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219637	50.0	50.0	12/19/18
18L0967-07 [DUP-1]	B219637	50.0	50.0	12/19/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219715	6.00	6.00	12/20/18
18L0967-07 [DUP-1]	B219715	6.00	6.00	12/20/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219881	1000	10.0	12/22/18
18L0967-02 [MW-15]	B219881	1000	10.0	12/22/18
18L0967-03 [CCA-2]	B219881	1000	10.0	12/22/18
18L0967-04 [MW-201]	B219881	1000	10.0	12/22/18
18L0967-07 [DUP-1]	B219881	1000	10.0	12/22/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219770	5	5.00	12/21/18
18L0967-02 [MW-15]	B219770	5	5.00	12/21/18
18L0967-03 [CCA-2]	B219770	5	5.00	12/21/18
18L0967-04 [MW-201]	B219770	5	5.00	12/21/18
18L0967-07 [DUP-1]	B219770	5	5.00	12/21/18
18L0967-08 [Trip Blank]	B219770	5	5.00	12/21/18

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219876	1000	1.00	12/22/18
18L0967-07 [DUP-1]	B219876	980	1.00	12/22/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219973	1000	1.00	12/22/18
18L0967-07 [DUP-1]	B219973	980	1.00	12/22/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18L0967-01 [MW-16]	B219822	50.0	12/21/18
18L0967-07 [DUP-1]	B219822	50.0	12/21/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219770 - SW-846 5030B										
Blank (B219770-BLK1)				Prepared & Analyzed: 12/21/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							L-03
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B219770 - SW-846 5030B											
Blank (B219770-BLK1)				Prepared & Analyzed: 12/21/18							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.2		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3		70-130			
LCS (B219770-BS1)				Prepared & Analyzed: 12/21/18							
Acetone	127	10	µg/L	100		127		70-130			V-36
Acrylonitrile	12.5	2.0	µg/L	10.0		125		70-130			V-20
Benzene	9.89	0.50	µg/L	10.0		98.9		70-130			
Bromobenzene	9.54	0.50	µg/L	10.0		95.4		70-130			
Bromodichloromethane	9.20	0.50	µg/L	10.0		92.0		70-130			
Bromoform	8.70	0.50	µg/L	10.0		87.0		70-130			
Bromomethane	10.9	1.0	µg/L	10.0		109		70-130			
2-Butanone (MEK)	120	5.0	µg/L	100		120		70-130			
n-Butylbenzene	8.57	1.0	µg/L	10.0		85.7		70-130			
sec-Butylbenzene	8.82	1.0	µg/L	10.0		88.2		70-130			
tert-Butylbenzene	8.90	1.0	µg/L	10.0		89.0		70-130			
Carbon Disulfide	97.2	5.0	µg/L	100		97.2		70-130			V-36
Carbon Tetrachloride	9.57	0.50	µg/L	10.0		95.7		70-130			
Chlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
Chlorodibromomethane	9.34	0.50	µg/L	10.0		93.4		70-130			
Chloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Chloroform	9.85	0.50	µg/L	10.0		98.5		70-130			
Chloromethane	12.8	0.60	µg/L	10.0		128		70-130			V-20
2-Chlorotoluene	9.57	0.50	µg/L	10.0		95.7		70-130			
4-Chlorotoluene	9.50	0.50	µg/L	10.0		95.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.79	0.50	µg/L	10.0		**67.9**	*	70-130			L-03
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101		70-130			
Dibromomethane	10.3	0.50	µg/L	10.0		103		70-130			
1,2-Dichlorobenzene	9.42	0.50	µg/L	10.0		94.2		70-130			
1,3-Dichlorobenzene	9.49	0.50	µg/L	10.0		94.9		70-130			
1,4-Dichlorobenzene	9.39	0.50	µg/L	10.0		93.9		70-130			
trans-1,4-Dichloro-2-butene	9.20	2.0	µg/L	10.0		92.0		70-130			
Dichlorodifluoromethane (Freon 12)	9.03	0.50	µg/L	10.0		90.3		70-130			
1,1-Dichloroethane	11.0	0.50	µg/L	10.0		110		70-130			
1,2-Dichloroethane	9.87	0.50	µg/L	10.0		98.7		70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B219770 - SW-846 5030B											
LCS (B219770-BS1)				Prepared & Analyzed: 12/21/18							
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130			
1,2-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130			
2,2-Dichloropropane	7.77	0.50	µg/L	10.0		77.7		70-130			
1,1-Dichloropropene	9.55	0.50	µg/L	10.0		95.5		70-130			
cis-1,3-Dichloropropene	9.23	0.50	µg/L	10.0		92.3		70-130			
trans-1,3-Dichloropropene	8.45	0.50	µg/L	10.0		84.5		70-130			
Ethylbenzene	9.52	0.50	µg/L	10.0		95.2		70-130			
Hexachlorobutadiene	11.0	0.60	µg/L	10.0		110		70-130			
2-Hexanone (MBK)	119	5.0	µg/L	100		119		70-130			
Isopropylbenzene (Cumene)	9.72	0.50	µg/L	10.0		97.2		70-130			
p-Isopropyltoluene (p-Cymene)	9.04	0.50	µg/L	10.0		90.4		70-130			
Methyl tert-Butyl Ether (MTBE)	9.03	0.50	µg/L	10.0		90.3		70-130			
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130			
4-Methyl-2-pentanone (MIBK)	122	5.0	µg/L	100		122		70-130			
Naphthalene	6.86	2.0	µg/L	10.0		**68.6**	*	70-130			L-03, V-05
n-Propylbenzene	9.39	1.0	µg/L	10.0		93.9		70-130			
Styrene	9.97	1.0	µg/L	10.0		99.7		70-130			
1,1,1,2-Tetrachloroethane	9.87	0.50	µg/L	10.0		98.7		70-130			
1,1,2,2-Tetrachloroethane	9.42	0.50	µg/L	10.0		94.2		70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Tetrahydrofuran	12.3	10	µg/L	10.0		123		70-130			
Toluene	10.1	1.0	µg/L	10.0		101		70-130			
1,2,3-Trichlorobenzene	7.85	0.50	µg/L	10.0		78.5		70-130			
1,2,4-Trichlorobenzene	8.71	0.50	µg/L	10.0		87.1		70-130			
1,1,1-Trichloroethane	8.98	0.50	µg/L	10.0		89.8		70-130			
1,1,2-Trichloroethane	10.0	0.50	µg/L	10.0		100		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102		70-130			
1,2,3-Trichloropropane	9.70	0.50	µg/L	10.0		97.0		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	0.50	µg/L	10.0		106		70-130			
1,2,4-Trimethylbenzene	8.69	0.50	µg/L	10.0		86.9		70-130			
1,3,5-Trimethylbenzene	9.62	0.50	µg/L	10.0		96.2		70-130			
Vinyl Chloride	10.9	1.0	µg/L	10.0		109		70-130			
m+p Xylene	18.9	2.0	µg/L	20.0		94.6		70-130			
o-Xylene	9.47	1.0	µg/L	10.0		94.7		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		95.0		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219876 - SW-846 3510C										
Blank (B219876-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Aniline	ND	5.0	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							V-06, V-20
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*86.2*		µg/L	200		43.1	15-110			
Surrogate: Phenol-d6	*64.2*		µg/L	200		32.1	15-110			
Surrogate: Nitrobenzene-d5	*86.4*		µg/L	100		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	*85.0*		µg/L	100		85.0	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B219876 - SW-846 3510C											
Blank (B219876-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18							
Surrogate: 2,4,6-Tribromophenol	*208*		µg/L	200		104	15-110				
Surrogate: p-Terphenyl-d14	*97.7*		µg/L	100		97.7	30-130				
LCS (B219876-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18							
Aniline	35.1	5.0	µg/L	50.0		70.1	40-140			V-34	†
Bis(2-chloroethoxy)methane	48.9	10	µg/L	50.0		97.8	40-140				
Bis(2-chloroethyl)ether	47.3	10	µg/L	50.0		94.7	40-140				
Bis(2-chloroisopropyl)ether	48.5	10	µg/L	50.0		96.9	40-140				
Bis(2-Ethylhexyl)phthalate	44.5	10	µg/L	50.0		89.1	40-140				
4-Bromophenylphenylether	43.0	10	µg/L	50.0		86.1	40-140				
Butylbenzylphthalate	45.4	10	µg/L	50.0		90.8	40-140				
Carbazole	44.5	10	µg/L	50.0		89.0	40-140				
4-Chloroaniline	39.7	10	µg/L	50.0		79.4	40-140			V-34	†
4-Chloro-3-methylphenol	44.0	10	µg/L	50.0		88.0	30-130				
2-Chloronaphthalene	38.8	10	µg/L	50.0		77.5	40-140				
2-Chlorophenol	41.1	10	µg/L	50.0		82.1	30-130				
4-Chlorophenylphenylether	43.1	10	µg/L	50.0		86.3	40-140				
Dibenzofuran	43.4	5.0	µg/L	50.0		86.7	40-140				
Di-n-butylphthalate	46.2	10	µg/L	50.0		92.4	40-140				
3,3-Dichlorobenzidine	53.7	10	µg/L	50.0		107	40-140				†
2,4-Dichlorophenol	43.3	10	µg/L	50.0		86.5	30-130				
Diethylphthalate	45.4	10	µg/L	50.0		90.7	40-140				
2,4-Dimethylphenol	40.2	10	µg/L	50.0		80.4	30-130				
Dimethylphthalate	42.9	10	µg/L	50.0		85.8	40-140				
4,6-Dinitro-2-methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
2,4-Dinitrophenol	40.8	10	µg/L	50.0		81.6	30-130				
2,4-Dinitrotoluene	47.5	10	µg/L	50.0		95.0	40-140				
2,6-Dinitrotoluene	49.4	10	µg/L	50.0		98.8	40-140				
Di-n-octylphthalate	45.7	10	µg/L	50.0		91.5	40-140				
Hexachlorobenzene	45.1	10	µg/L	50.0		90.3	40-140				
Hexachlorobutadiene	40.8	10	µg/L	50.0		81.6	40-140				
Hexachlorocyclopentadiene	28.4	10	µg/L	50.0		56.8	30-140				
Hexachloroethane	41.2	10	µg/L	50.0		82.5	40-140				
Isophorone	47.2	10	µg/L	50.0		94.5	40-140				
2-Methylphenol	35.0	10	µg/L	50.0		70.0	30-130				
3/4-Methylphenol	35.3	10	µg/L	50.0		70.6	30-130				
2-Nitroaniline	50.4	10	µg/L	50.0		101	40-140				
3-Nitroaniline	45.2	10	µg/L	50.0		90.4	40-140				†
4-Nitroaniline	48.0	10	µg/L	50.0		96.1	40-140				
Nitrobenzene	45.7	10	µg/L	50.0		91.4	40-140				
2-Nitrophenol	45.2	10	µg/L	50.0		90.3	30-130				
4-Nitrophenol	26.8	10	µg/L	50.0		53.7	10-130			V-06	
N-Nitrosodiphenylamine/Diphenylamine	44.4	10	µg/L	50.0		88.7	40-140				
N-Nitrosodi-n-propylamine	47.6	10	µg/L	50.0		95.2	40-140				
Pentachloronitrobenzene	44.4	10	µg/L	50.0		88.8	40-140			V-16	
Pentachlorophenol	38.5	10	µg/L	50.0		77.0	30-130				
Phenol	20.0	10	µg/L	50.0		40.1	20-130				
Pyridine	17.5	5.0	µg/L	50.0		34.9	10-140				†
1,2,4,5-Tetrachlorobenzene	41.0	10	µg/L	50.0		81.9	40-140				
1,2,4-Trichlorobenzene	40.0	5.0	µg/L	50.0		80.0	40-140				
2,4,5-Trichlorophenol	43.0	10	µg/L	50.0		86.0	30-130				
2,4,6-Trichlorophenol	44.5	10	µg/L	50.0		89.1	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B219876 - SW-846 3510C												
LCS (B219876-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18								
Surrogate: 2-Fluorophenol	*113*		µg/L	200		56.3		15-110				
Surrogate: Phenol-d6	*85.5*		µg/L	200		42.7		15-110				
Surrogate: Nitrobenzene-d5	*99.8*		µg/L	100		99.8		30-130				
Surrogate: 2-Fluorobiphenyl	*95.5*		µg/L	100		95.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*235*		µg/L	200		**118**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*101*		µg/L	100		101		30-130				
LCS Dup (B219876-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18								
Aniline	27.2	5.0	µg/L	50.0		54.3		40-140	25.4	50	V-34	† ‡
Bis(2-chloroethoxy)methane	43.9	10	µg/L	50.0		87.7		40-140	10.8	20		
Bis(2-chloroethyl)ether	40.0	10	µg/L	50.0		80.0		40-140	16.8	20		
Bis(2-chloroisopropyl)ether	41.4	10	µg/L	50.0		82.8		40-140	15.7	20		
Bis(2-Ethylhexyl)phthalate	40.1	10	µg/L	50.0		80.1		40-140	10.6	20		
4-Bromophenylphenylether	38.7	10	µg/L	50.0		77.3		40-140	10.7	20		
Butylbenzylphthalate	41.3	10	µg/L	50.0		82.7		40-140	9.43	20		
Carbazole	40.1	10	µg/L	50.0		80.3		40-140	10.4	20		
4-Chloroaniline	32.7	10	µg/L	50.0		65.4		40-140	19.4	20	V-34	†
4-Chloro-3-methylphenol	39.9	10	µg/L	50.0		79.8		30-130	9.73	20		
2-Chloronaphthalene	35.5	10	µg/L	50.0		71.0		40-140	8.84	20		
2-Chlorophenol	34.5	10	µg/L	50.0		69.0		30-130	17.4	20		
4-Chlorophenylphenylether	39.2	10	µg/L	50.0		78.4		40-140	9.60	20		
Dibenzofuran	39.2	5.0	µg/L	50.0		78.4		40-140	10.0	20		
Di-n-butylphthalate	41.2	10	µg/L	50.0		82.4		40-140	11.4	20		
3,3-Dichlorobenzidine	47.4	10	µg/L	50.0		94.8		40-140	12.5	20		† ‡
2,4-Dichlorophenol	39.0	10	µg/L	50.0		78.0		30-130	10.4	20		
Diethylphthalate	40.9	10	µg/L	50.0		81.8		40-140	10.3	20		
2,4-Dimethylphenol	35.2	10	µg/L	50.0		70.4		30-130	13.3	20		
Dimethylphthalate	39.1	10	µg/L	50.0		78.1		40-140	9.32	50		
4,6-Dinitro-2-methylphenol	40.9	10	µg/L	50.0		81.9		30-130	6.32	50		
2,4-Dinitrophenol	37.8	10	µg/L	50.0		75.6		30-130	7.56	50		
2,4-Dinitrotoluene	43.2	10	µg/L	50.0		86.3		40-140	9.62	20		
2,6-Dinitrotoluene	44.3	10	µg/L	50.0		88.5		40-140	10.9	20		
Di-n-octylphthalate	40.2	10	µg/L	50.0		80.4		40-140	12.9	20		
Hexachlorobenzene	41.1	10	µg/L	50.0		82.2		40-140	9.30	20		
Hexachlorobutadiene	35.3	10	µg/L	50.0		70.7		40-140	14.4	20		
Hexachlorocyclopentadiene	26.0	10	µg/L	50.0		52.0		30-140	8.75	50		
Hexachloroethane	34.2	10	µg/L	50.0		68.3		40-140	18.8	50		
Isophorone	42.7	10	µg/L	50.0		85.4		40-140	10.1	20		
2-Methylphenol	30.6	10	µg/L	50.0		61.3		30-130	13.3	20		
3/4-Methylphenol	30.3	10	µg/L	50.0		60.5		30-130	15.3	20		
2-Nitroaniline	46.0	10	µg/L	50.0		92.0		40-140	9.09	20		
3-Nitroaniline	38.7	10	µg/L	50.0		77.4		40-140	15.4	20		†
4-Nitroaniline	43.4	10	µg/L	50.0		86.8		40-140	10.1	20		
Nitrobenzene	40.4	10	µg/L	50.0		80.9		40-140	12.2	20		
2-Nitrophenol	40.1	10	µg/L	50.0		80.3		30-130	11.8	20		
4-Nitrophenol	23.9	10	µg/L	50.0		47.8		10-130	11.6	50	V-06	‡
N-Nitrosodiphenylamine/Diphenylamine	39.8	10	µg/L	50.0		79.6		40-140	10.8	20		
N-Nitrosodi-n-propylamine	41.5	10	µg/L	50.0		82.9		40-140	13.7	20		
Pentachloronitrobenzene	39.0	10	µg/L	50.0		78.1		40-140	12.8	20	V-16	
Pentachlorophenol	33.2	10	µg/L	50.0		66.3		30-130	14.9	50		
Phenol	17.3	10	µg/L	50.0		34.6		20-130	14.8	20		
Pyridine	11.2	5.0	µg/L	50.0		22.5		10-140	43.3	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219876 - SW-846 3510C										
LCS Dup (B219876-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18						
1,2,4,5-Tetrachlorobenzene	37.1	10	µg/L	50.0		74.3	40-140	9.78	20	
1,2,4-Trichlorobenzene	35.6	5.0	µg/L	50.0		71.1	40-140	11.8	20	
2,4,5-Trichlorophenol	39.0	10	µg/L	50.0		78.0	30-130	9.70	20	
2,4,6-Trichlorophenol	39.9	10	µg/L	50.0		79.9	30-130	10.9	50	
Surrogate: 2-Fluorophenol	*93.0*		µg/L	200		46.5	15-110			
Surrogate: Phenol-d6	*72.9*		µg/L	200		36.5	15-110			
Surrogate: Nitrobenzene-d5	*87.5*		µg/L	100		87.5	30-130			
Surrogate: 2-Fluorobiphenyl	*85.2*		µg/L	100		85.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*206*		µg/L	200		103	15-110			
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	100		91.3	30-130			
Batch B219973 - SW-846 3510C										
Blank (B219973-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.4	15-110			
Surrogate: Phenol-d6	*77.0*		µg/L	200		38.5	15-110			
Surrogate: Nitrobenzene-d5	*93.6*		µg/L	100		93.6	30-130			
Surrogate: 2-Fluorobiphenyl	*59.4*		µg/L	100		59.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*191*		µg/L	200		95.5	15-110			
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	100		85.0	30-130			
LCS (B219973-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	42.0	7.5	µg/L	50.0		84.1	40-140			
Acenaphthylene (SIM)	44.6	7.5	µg/L	50.0		89.2	40-140			
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.8	40-140			
Benzo(a)anthracene (SIM)	45.0	1.2	µg/L	50.0		89.9	40-140			
Benzo(a)pyrene (SIM)	48.9	2.5	µg/L	50.0		97.8	40-140			
Benzo(b)fluoranthene (SIM)	49.6	1.2	µg/L	50.0		99.1	40-140			
Benzo(g,h,i)perylene (SIM)	46.3	12	µg/L	50.0		92.6	40-140			
Benzo(k)fluoranthene (SIM)	48.8	5.0	µg/L	50.0		97.6	40-140			
Chrysene (SIM)	44.1	5.0	µg/L	50.0		88.2	40-140			
Dibenz(a,h)anthracene (SIM)	49.4	5.0	µg/L	50.0		98.7	40-140			
Fluoranthene (SIM)	44.6	12	µg/L	50.0		89.1	40-140			
Fluorene (SIM)	43.0	25	µg/L	50.0		86.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	50.2	5.0	µg/L	50.0		100	40-140			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219973 - SW-846 3510C										
LCS (B219973-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18						
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140			
Naphthalene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Pentachlorophenol (SIM)	25.1	12	µg/L	50.0		50.2	40-140			
Phenanthrene (SIM)	44.2	1.2	µg/L	50.0		88.3	40-140			
Pyrene (SIM)	46.3	25	µg/L	50.0		92.6	40-140			
Surrogate: 2-Fluorophenol	*84.9*		µg/L	200		42.4	15-110			
Surrogate: Phenol-d6	*74.4*		µg/L	200		37.2	15-110			
Surrogate: Nitrobenzene-d5	*88.4*		µg/L	100		88.4	30-130			
Surrogate: 2-Fluorobiphenyl	*66.3*		µg/L	100		66.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		78.0	15-110			
Surrogate: p-Terphenyl-d14	*84.7*		µg/L	100		84.7	30-130			
LCS Dup (B219973-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.0	40-140	6.83	20	
Acenaphthylene (SIM)	48.0	7.5	µg/L	50.0		96.1	40-140	7.45	20	
Anthracene (SIM)	48.4	5.0	µg/L	50.0		96.8	40-140	4.11	20	
Benzo(a)anthracene (SIM)	46.5	1.2	µg/L	50.0		93.0	40-140	3.39	20	
Benzo(a)pyrene (SIM)	50.8	2.5	µg/L	50.0		102	40-140	3.86	20	
Benzo(b)fluoranthene (SIM)	51.7	1.2	µg/L	50.0		103	40-140	4.25	20	
Benzo(g,h,i)perylene (SIM)	48.4	12	µg/L	50.0		96.8	40-140	4.49	20	
Benzo(k)fluoranthene (SIM)	50.9	5.0	µg/L	50.0		102	40-140	4.21	20	
Chrysene (SIM)	45.8	5.0	µg/L	50.0		91.6	40-140	3.78	20	
Dibenz(a,h)anthracene (SIM)	51.8	5.0	µg/L	50.0		104	40-140	4.94	20	
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140	2.27	20	
Fluorene (SIM)	46.0	25	µg/L	50.0		92.1	40-140	6.85	20	
Indeno(1,2,3-cd)pyrene (SIM)	52.4	5.0	µg/L	50.0		105	40-140	4.19	20	‡
2-Methylnaphthalene (SIM)	45.3	25	µg/L	50.0		90.6	40-140	7.50	20	
Naphthalene (SIM)	41.0	25	µg/L	50.0		81.9	40-140	6.36	20	
Pentachlorophenol (SIM)	22.9	12	µg/L	50.0		45.8	40-140	9.28	20	
Phenanthrene (SIM)	46.4	1.2	µg/L	50.0		92.7	40-140	4.86	20	
Pyrene (SIM)	47.6	25	µg/L	50.0		95.2	40-140	2.77	20	
Surrogate: 2-Fluorophenol	*72.8*		µg/L	200		36.4	15-110			
Surrogate: Phenol-d6	*79.0*		µg/L	200		39.5	15-110			
Surrogate: Nitrobenzene-d5	*90.9*		µg/L	100		90.9	30-130			
Surrogate: 2-Fluorobiphenyl	*69.3*		µg/L	100		69.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		78.0	15-110			
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	100		80.2	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219881 - SW-846 3510C										
Blank (B219881-BLK1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.46*		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.51*		µg/L	2.00		75.4	30-150			
LCS (B219881-BS1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		83.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.3	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.5	40-140			
Surrogate: Decachlorobiphenyl	*1.51*		µg/L	2.00		75.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/L	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.56*		µg/L	2.00		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.5	30-150			
LCS Dup (B219881-BSD1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		84.7	40-140	1.14	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	4.00	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.9	40-140	1.21	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.9	40-140	0.655	20	
Surrogate: Decachlorobiphenyl	*0.836*		µg/L	2.00		41.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.947*		µg/L	2.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.58*		µg/L	2.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219927 - SW-846 3510C										
Blank (B219927-BLK1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0774*		mg/L	0.100		77.4	50-150			
LCS (B219927-BS1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	0.813	0.075	mg/L	1.00		81.3	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0752*		mg/L	0.100		75.2	50-150			
LCS Dup (B219927-BSD1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	0.843	0.075	mg/L	1.00		84.3	60-120	3.61	30	
Surrogate: 2-Fluorobiphenyl	*0.0777*		mg/L	0.100		77.7	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219715 - SW-846 7470A Prep										
Blank (B219715-BLK1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	ND	0.00010	mg/L							
LCS (B219715-BS1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	0.00190	0.00010	mg/L	0.00200		95.2	80-120			
LCS Dup (B219715-BSD1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	0.00188	0.00010	mg/L	0.00200		94.2	80-120	1.09	20	
Batch B219822 - SW-846 3005A										
Blank (B219822-BLK1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B219822-BS1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	513	4.0	µg/L	500		103	80-120			
Barium	517	100	µg/L	500		103	80-120			
Cadmium	514	5.0	µg/L	500		103	80-120			
Chromium	518	10	µg/L	500		104	80-120			
Copper	1020	50	µg/L	1000		102	80-120			
Lead	509	10	µg/L	500		102	80-120			
Selenium	508	50	µg/L	500		102	80-120			
Silver	449	5.0	µg/L	500		89.8	80-120			
LCS Dup (B219822-BSD1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	506	4.0	µg/L	500		101	80-120	1.39	20	
Barium	516	100	µg/L	500		103	80-120	0.0774	20	
Cadmium	514	5.0	µg/L	500		103	80-120	0.0612	20	
Chromium	511	10	µg/L	500		102	80-120	1.43	20	
Copper	1000	50	µg/L	1000		100	80-120	1.20	20	
Lead	505	10	µg/L	500		101	80-120	0.677	20	
Selenium	499	50	µg/L	500		99.9	80-120	1.69	20	
Silver	468	5.0	µg/L	500		93.6	80-120	4.09	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219637 - SW-846 7196A										
Blank (B219637-BLK1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B219637-BS1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		94.6	80-120			
LCS Dup (B219637-BSD1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		94.6	80-120	0.00	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219881-BS1 Date(s) Analyzed: 12/27/2018 12/27/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.42	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.43	9.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219881-BSD1 Date(s) Analyzed: 12/27/2018 12/27/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Results Requested
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper					# of Containers	Preservation Code	Container Code
								H	I	A	A	I	I					3	2	1
								V	A	A	A	P	N					1	1	P
1	MW-16	12/19/18	1030		X	GW	U	X	X	X	X	X	X							
2	MW-15		1145																	
3	ECA-2		1230																	
4	MW-201		1310																	
5	MW-203		1345																	
6	MW-203		1410																	
7	DUP-1		—																	
8	TRIP BLANK		—																	

ANALYSIS REQUESTED

Comments: (1) Please bill Weston & Sampson directly, using Eversource rates.

Please send results to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature)	Date/Time:	Received by: (signature)	Date/Time:
12/19/18		12/19/18 1715	
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
12/19/18 1715		12/19/18 1900	
Relinquished by: (signature)	Date/Time:		
12/19/18 1900			

Program Information

- MCP Analytical Certification Form Required
- RCP Analysis Certification Form Required
- MA State DW Form Required
- PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Data Deliverables: ☐ CT DEEP RSRs (includes RES DEC & GA PMC)
Other:

Reasonable Confidence Protocols: ☐ Field Filtered ☐ Lab to Filter

Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Westcat Sampson

Received By LR Date 12/16/18 Time 1900

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.8

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? T

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? T

Do all samples have the proper pH? Acid T Base _____

MS/MSD? F

Is splitting samples required? F

On COC? T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	18	1 Liter Plastic		16 oz Amb.	
HCL-	17	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	4	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	10	Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A122618.SEC\A1226059.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1226059.D
Data File Path	X:\HPCHEM\1\DATA\A122618.SEC\
Operator	RMW
Date Acquired	12/26/2018 10:30
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.15	336743	352633	5
c - 10	1.51	342011	352633	3
c - 12	2.24	344832	352633	2
c - 14	2.90	358205	352633	-2
c - 16	3.50	364038	352633	-3
c - 18	4.08	364987	352633	-4
c - 20	4.70	368242	352633	-4
c - 22	5.21	368921	352633	-5
c - 24	5.65	365146	352633	-4
c - 26	6.04	362008	352633	-3
c - 28	6.40	361335	352633	-2
c - 30	6.73	361577	352633	-3
c - 32	7.04	343162	352633	3
c - 34	7.34	328123	352633	7
c - 36	7.62	320158	352633	9

*One compound allowed %D </=50%

Samples

18L0965-03
18L0967-02
18L0967-03
18L0967-04
18L0967-01
18L0967-05
18L0967-04
18L0967-06
18L0967-07
18L1005-01
18L0965-02
18L0969-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury AWC

Project Number: 18L0967

Laboratory Sample ID(s):
18L0967-01 thru 18L0967-08

Sample Date(s):
12/19/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020B, SW-846 7196A, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 12/28/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 28, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 10227659
Laboratory Work Order Number: 18L1024

Enclosed are results of analyses for samples received by the laboratory on December 20, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 12/28/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: 10227659

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L1024

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CCA-3	18L1024-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
CCA-4	18L1024-02	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-200	18L1024-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18L1024-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR-1	18L1024-05	Ground Water		SW-846 8270D	
Trip Blank	18L1024-06	Trip Blank Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
18L1024-03[MW-200], 18L1024-04[CCA-5], 18L1024-06[Trip Blank], B219919-BLK1, B219919-BS1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
B219919-BS1, S030708-CCV1

SW-846 8270D

Qualifications:

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-CCV1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260C

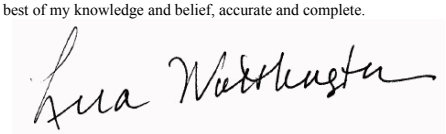
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Acenaphthylene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(a)anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(a)pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(b)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(g,h,i)perylene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(k)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chloroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Chrysene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Dibenz(a,h)anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Fluorene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Hexachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachloroethane	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Methylnaphthalene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Naphthalene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
2-Nitroaniline	ND	9.5	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Phenanthrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2	15-110		12/28/18 13:04
2-Fluorophenol (SIM)	65.4	15-110		12/28/18 12:35
Phenol-d6	35.7	15-110		12/28/18 13:04
Phenol-d6 (SIM)	40.0	15-110		12/28/18 12:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		78.0	30-130					12/28/18 13:04	
Nitrobenzene-d5		88.4	30-130					12/28/18 12:35	
2-Fluorobiphenyl		53.7	30-130					12/28/18 12:35	
2-Fluorobiphenyl		77.4	30-130					12/28/18 13:04	
2,4,6-Tribromophenol		88.7	15-110					12/28/18 13:04	
2,4,6-Tribromophenol (SIM)		92.7	15-110					12/28/18 12:35	
p-Terphenyl-d14		70.1	30-130					12/28/18 12:35	
p-Terphenyl-d14		89.8	30-130					12/28/18 13:04	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.072	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:11	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	84.2	50-150		12/27/18 20:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Barium	150	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/28/18 14:56	JLC
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/26/18	12/27/18 9:49	AJL
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/20/18	12/20/18 18:05	MG2/DJM

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Bis(2-chloroethoxy)methane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-chloroethyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Bromophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Butylbenzylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Carbazole	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chloroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chloro-3-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Chloronaphthalene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Chlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chlorophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Di-n-butylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3,3-Dichlorobenzidine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Diethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dimethylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Dimethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dinitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,6-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Hexachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachlorobutadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachlorocyclopentadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachloroethane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Isophorone	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
2-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3/4-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
2-Nitroaniline	ND	9.8	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachlorophenol (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Nitrobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachloronitrobenzene	ND	9.8	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Phenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4,5-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4,6-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	52.8	15-110		12/28/18 13:28
2-Fluorophenol (SIM)	70.6	15-110		12/28/18 13:04
Phenol-d6	38.1	15-110		12/28/18 13:28
Phenol-d6 (SIM)	43.7	15-110		12/28/18 13:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		79.8	30-130					12/28/18 13:28	
Nitrobenzene-d5		83.7	30-130					12/28/18 13:04	
2-Fluorobiphenyl		76.8	30-130					12/28/18 13:28	
2-Fluorobiphenyl		51.4	30-130					12/28/18 13:04	
2,4,6-Tribromophenol		85.5	15-110					12/28/18 13:28	
2,4,6-Tribromophenol (SIM)		87.0	15-110					12/28/18 13:04	
p-Terphenyl-d14		89.2	30-130					12/28/18 13:28	
p-Terphenyl-d14		65.3	30-130					12/28/18 13:04	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.071	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 22:31	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	91.2	50-150		12/27/18 22:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/28/18 14:56	JLC
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/26/18	12/27/18 9:51	AJL
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/20/18	12/20/18 18:05	MG2/DJM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.4	70-130		12/24/18 21:59
Toluene-d8	97.6	70-130		12/24/18 21:59
4-Bromofluorobenzene	99.4	70-130		12/24/18 21:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		12/27/18 18:14
Decachlorobiphenyl [2]	88.9	30-150		12/27/18 18:14
Tetrachloro-m-xylene [1]	84.4	30-150		12/27/18 18:14
Tetrachloro-m-xylene [2]	88.1	30-150		12/27/18 18:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.071	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:28	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	86.5	50-150		12/27/18 20:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.6	70-130		12/24/18 22:26
Toluene-d8	97.0	70-130		12/24/18 22:26
4-Bromofluorobenzene	97.0	70-130		12/24/18 22:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.7	30-150		12/27/18 18:27
Decachlorobiphenyl [2]	86.3	30-150		12/27/18 18:27
Tetrachloro-m-xylene [1]	79.5	30-150		12/27/18 18:27
Tetrachloro-m-xylene [2]	82.7	30-150		12/27/18 18:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.074	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:46	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	85.7	50-150		12/27/18 20:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Bis(2-chloroethoxy)methane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-chloroethyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Bromophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Butylbenzylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Carbazole	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chloroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chloro-3-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Chloronaphthalene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Chlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chlorophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Di-n-butylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3,3-Dichlorobenzidine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Diethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dimethylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Dimethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dinitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,6-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Hexachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachlorobutadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachlorocyclopentadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachloroethane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Isophorone	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
2-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3/4-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
2-Nitroaniline	ND	9.8	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachlorophenol (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Nitrobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachloronitrobenzene	ND	9.8	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Phenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4,5-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4,6-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.9	15-110		12/28/18 13:52
2-Fluorophenol (SIM)	60.7	15-110		12/28/18 13:32
Phenol-d6	38.7	15-110		12/28/18 13:52
Phenol-d6 (SIM)	37.1	15-110		12/28/18 13:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		81.4	30-130					12/28/18 13:52	
Nitrobenzene-d5		81.0	30-130					12/28/18 13:32	
2-Fluorobiphenyl		49.1	30-130					12/28/18 13:32	
2-Fluorobiphenyl		78.6	30-130					12/28/18 13:52	
2,4,6-Tribromophenol		86.4	15-110					12/28/18 13:52	
2,4,6-Tribromophenol (SIM)		83.0	15-110					12/28/18 13:32	
p-Terphenyl-d14		87.0	30-130					12/28/18 13:52	
p-Terphenyl-d14		64.1	30-130					12/28/18 13:32	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: Trip Blank | Sampled: 12/20/2018 00:00

Sample ID: 18L1024-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: Trip Blank | Sampled: 12/20/2018 00:00

Sample ID: 18L1024-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.0	70-130		12/24/18 21:33
Toluene-d8	96.8	70-130		12/24/18 21:33
4-Bromofluorobenzene	95.8	70-130		12/24/18 21:33

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220047	1040	1.00	12/27/18
18L1024-02 [CCA-4]	B220047	1050	1.00	12/27/18
18L1024-03 [MW-200]	B220047	1050	1.00	12/27/18
18L1024-04 [CCA-5]	B220047	1020	1.00	12/27/18

Prep Method: SW-846 3005A-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219822	50.0	50.0	12/21/18
18L1024-02 [CCA-4]	B219822	50.0	50.0	12/21/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219756	50.0	50.0	12/20/18
18L1024-02 [CCA-4]	B219756	50.0	50.0	12/20/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219933	6.00	6.00	12/26/18
18L1024-02 [CCA-4]	B219933	6.00	6.00	12/26/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-03 [MW-200]	B219881	1000	10.0	12/22/18
18L1024-04 [CCA-5]	B219881	1000	10.0	12/22/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-03 [MW-200]	B219919	5	5.00	12/24/18
18L1024-04 [CCA-5]	B219919	5	5.00	12/24/18
18L1024-06 [Trip Blank]	B219919	5	5.00	12/24/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220070	1050	1.00	12/27/18
18L1024-02 [CCA-4]	B220070	1020	1.00	12/27/18
18L1024-05 [MW-AIR-1]	B220070	1020	1.00	12/27/18

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220174	1050	1.00	12/27/18
18L1024-02 [CCA-4]	B220174	1020	1.00	12/27/18
18L1024-05 [MW-AIR-1]	B220174	1020	1.00	12/27/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18L1024-01 [CCA-3]	B219822	50.0	12/21/18
18L1024-02 [CCA-4]	B219822	50.0	12/21/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219919 - SW-846 5030B										
Blank (B219919-BLK1)				Prepared & Analyzed: 12/24/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B219919 - SW-846 5030B											
Blank (B219919-BLK1)				Prepared & Analyzed: 12/24/18							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*21.1*		µg/L	25.0		84.2		70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0		70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0		70-130			
LCS (B219919-BS1)				Prepared & Analyzed: 12/24/18							
Acetone	115	10	µg/L	100		115		70-130			
Acrylonitrile	8.90	2.0	µg/L	10.0		89.0		70-130			
Benzene	9.61	0.50	µg/L	10.0		96.1		70-130			
Bromobenzene	10.1	0.50	µg/L	10.0		101		70-130			
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3		70-130			
Bromoform	9.92	0.50	µg/L	10.0		99.2		70-130			
Bromomethane	9.80	1.0	µg/L	10.0		98.0		70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2		70-130			
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.0		105		70-130			
Carbon Disulfide	9.82	5.0	µg/L	10.0		98.2		70-130			
Carbon Tetrachloride	9.17	0.50	µg/L	10.0		91.7		70-130			
Chlorobenzene	10.9	0.50	µg/L	10.0		109		70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103		70-130			
Chloroethane	9.71	0.50	µg/L	10.0		97.1		70-130			
Chloroform	9.47	0.50	µg/L	10.0		94.7		70-130			
Chloromethane	7.25	0.60	µg/L	10.0		72.5		70-130			
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.37	0.50	µg/L	10.0		83.7		70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101		70-130			
Dibromomethane	9.70	0.50	µg/L	10.0		97.0		70-130			
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,3-Dichlorobenzene	10.8	0.50	µg/L	10.0		108		70-130			
1,4-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
trans-1,4-Dichloro-2-butene	9.44	2.0	µg/L	10.0		94.4		70-130			
Dichlorodifluoromethane (Freon 12)	5.62	0.50	µg/L	10.0		**56.2**	*	70-130			L-03
1,1-Dichloroethane	9.76	0.50	µg/L	10.0		97.6		70-130			
1,2-Dichloroethane	8.65	0.50	µg/L	10.0		86.5		70-130			
1,1-Dichloroethylene	8.98	0.50	µg/L	10.0		89.8		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219919 - SW-846 5030B										
LCS (B219919-BS1)				Prepared & Analyzed: 12/24/18						
cis-1,2-Dichloroethylene	9.24	0.50	µg/L	10.0		92.4	70-130			
trans-1,2-Dichloroethylene	9.37	1.0	µg/L	10.0		93.7	70-130			
1,2-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichloropropane	9.27	0.50	µg/L	10.0		92.7	70-130			
2,2-Dichloropropane	9.42	0.50	µg/L	10.0		94.2	70-130			
1,1-Dichloropropene	9.30	0.50	µg/L	10.0		93.0	70-130			
cis-1,3-Dichloropropene	9.95	0.50	µg/L	10.0		99.5	70-130			
trans-1,3-Dichloropropene	9.93	0.50	µg/L	10.0		99.3	70-130			
Ethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130			V-36
2-Hexanone (MBK)	89.3	5.0	µg/L	100		89.3	70-130			
Isopropylbenzene (Cumene)	11.5	0.50	µg/L	10.0		115	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	0.50	µg/L	10.0		108	70-130			
Methyl tert-Butyl Ether (MTBE)	9.25	0.50	µg/L	10.0		92.5	70-130			
Methylene Chloride	8.14	5.0	µg/L	10.0		81.4	70-130			
4-Methyl-2-pentanone (MIBK)	86.7	5.0	µg/L	100		86.7	70-130			
Naphthalene	8.89	2.0	µg/L	10.0		88.9	70-130			
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130			
Tetrahydrofuran	8.80	10	µg/L	10.0		88.0	70-130			
Toluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2,3-Trichlorobenzene	9.54	0.50	µg/L	10.0		95.4	70-130			
1,2,4-Trichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
1,1,1-Trichloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Trichlorofluoromethane (Freon 11)	8.23	2.0	µg/L	10.0		82.3	70-130			
1,2,3-Trichloropropane	7.89	0.50	µg/L	10.0		78.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	0.50	µg/L	10.0		103	70-130			
1,2,4-Trimethylbenzene	9.91	0.50	µg/L	10.0		99.1	70-130			
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107	70-130			
Vinyl Chloride	7.89	1.0	µg/L	10.0		78.9	70-130			
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.4*		µg/L	25.0		85.5	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220070 - SW-846 3510C										
Blank (B220070-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-34
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							V-35
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B220070 - SW-846 3510C											
Blank (B220070-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L							V-16	
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*105*		µg/L	200		52.5	15-110				
Surrogate: Phenol-d6	*77.3*		µg/L	200		38.7	15-110				
Surrogate: Nitrobenzene-d5	*79.4*		µg/L	100		79.4	30-130				
Surrogate: 2-Fluorobiphenyl	*78.5*		µg/L	100		78.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*174*		µg/L	200		87.2	15-110				
Surrogate: p-Terphenyl-d14	*93.0*		µg/L	100		93.0	30-130				
LCS (B220070-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene	40.2	5.0	µg/L	50.0		80.3	40-140				
Acenaphthylene	41.0	5.0	µg/L	50.0		82.0	40-140				
Aniline	36.6	5.0	µg/L	50.0		73.2	40-140			V-34	†
Anthracene	42.0	5.0	µg/L	50.0		84.0	40-140				
Benzo(a)anthracene	43.0	5.0	µg/L	50.0		86.0	40-140				
Benzo(a)pyrene	43.1	5.0	µg/L	50.0		86.2	40-140				
Benzo(b)fluoranthene	40.1	5.0	µg/L	50.0		80.3	40-140				
Benzo(g,h,i)perylene	47.2	5.0	µg/L	50.0		94.5	40-140				
Benzo(k)fluoranthene	41.4	5.0	µg/L	50.0		82.8	40-140				
Bis(2-chloroethoxy)methane	48.5	10	µg/L	50.0		96.9	40-140				
Bis(2-chloroethyl)ether	45.5	10	µg/L	50.0		91.0	40-140				
Bis(2-chloroisopropyl)ether	49.1	10	µg/L	50.0		98.3	40-140				
Bis(2-Ethylhexyl)phthalate	48.8	10	µg/L	50.0		97.6	40-140				
4-Bromophenylphenylether	42.8	10	µg/L	50.0		85.7	40-140				
Butylbenzylphthalate	48.5	10	µg/L	50.0		97.0	40-140				
Carbazole	40.4	10	µg/L	50.0		80.9	40-140				
4-Chloroaniline	36.2	10	µg/L	50.0		72.4	40-140				†
4-Chloro-3-methylphenol	43.7	10	µg/L	50.0		87.3	30-130				
2-Chloronaphthalene	36.3	10	µg/L	50.0		72.7	40-140				
2-Chlorophenol	42.3	10	µg/L	50.0		84.7	30-130				
4-Chlorophenylphenylether	41.9	10	µg/L	50.0		83.8	40-140				
Chrysene	41.4	5.0	µg/L	50.0		82.8	40-140				
Dibenz(a,h)anthracene	44.2	5.0	µg/L	50.0		88.3	40-140				
Dibenzofuran	42.0	5.0	µg/L	50.0		84.1	40-140				
Di-n-butylphthalate	44.2	10	µg/L	50.0		88.4	40-140				
3,3-Dichlorobenzidine	47.7	10	µg/L	50.0		95.4	40-140				†
2,4-Dichlorophenol	42.2	10	µg/L	50.0		84.3	30-130				
Diethylphthalate	42.3	10	µg/L	50.0		84.6	40-140				
2,4-Dimethylphenol	44.8	10	µg/L	50.0		89.5	30-130				
Dimethylphthalate	42.7	10	µg/L	50.0		85.3	40-140				
4,6-Dinitro-2-methylphenol	43.3	10	µg/L	50.0		86.6	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B220070 - SW-846 3510C											
LCS (B220070-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
2,4-Dinitrophenol	42.2	10	µg/L	50.0		84.5	30-130				
2,4-Dinitrotoluene	42.9	10	µg/L	50.0		85.9	40-140				
2,6-Dinitrotoluene	46.6	10	µg/L	50.0		93.1	40-140				
Di-n-octylphthalate	48.0	10	µg/L	50.0		96.0	40-140				
Fluoranthene	40.6	5.0	µg/L	50.0		81.1	40-140				
Fluorene	40.6	5.0	µg/L	50.0		81.2	40-140				
Hexachlorobenzene	43.7	10	µg/L	50.0		87.4	40-140				
Hexachlorobutadiene	40.0	10	µg/L	50.0		80.0	40-140				
Hexachlorocyclopentadiene	40.5	10	µg/L	50.0		81.0	30-140				
Hexachloroethane	41.8	10	µg/L	50.0		83.7	40-140				
Indeno(1,2,3-cd)pyrene	45.6	5.0	µg/L	50.0		91.3	40-140				
Isophorone	46.0	10	µg/L	50.0		91.9	40-140				
2-Methylnaphthalene	42.8	5.0	µg/L	50.0		85.7	40-140				
2-Methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
3/4-Methylphenol	37.1	10	µg/L	50.0		74.2	30-130				
Naphthalene	40.6	5.0	µg/L	50.0		81.1	40-140				
2-Nitroaniline	43.7	10	µg/L	50.0		87.4	40-140			V-35	
3-Nitroaniline	41.5	10	µg/L	50.0		83.0	40-140				†
4-Nitroaniline	42.1	10	µg/L	50.0		84.2	40-140				
Nitrobenzene	42.4	10	µg/L	50.0		84.8	40-140				
2-Nitrophenol	45.6	10	µg/L	50.0		91.3	30-130				
4-Nitrophenol	22.7	10	µg/L	50.0		45.3	10-130				
N-Nitrosodiphenylamine/Diphenylamine	43.8	10	µg/L	50.0		87.7	40-140				
N-Nitrosodi-n-propylamine	44.8	10	µg/L	50.0		89.6	40-140				
Pentachloronitrobenzene	42.6	10	µg/L	50.0		85.2	40-140			V-16	
Pentachlorophenol	42.5	10	µg/L	50.0		84.9	30-130				
Phenanthrene	42.0	5.0	µg/L	50.0		84.1	40-140				
Phenol	21.1	10	µg/L	50.0		42.1	20-130				
Pyrene	42.7	5.0	µg/L	50.0		85.5	40-140				
Pyridine	23.5	5.0	µg/L	50.0		46.9	10-140				†
1,2,4,5-Tetrachlorobenzene	40.8	10	µg/L	50.0		81.7	40-140				
1,2,4-Trichlorobenzene	40.2	5.0	µg/L	50.0		80.4	40-140				
2,4,5-Trichlorophenol	42.1	10	µg/L	50.0		84.2	30-130				
2,4,6-Trichlorophenol	44.6	10	µg/L	50.0		89.2	30-130				
Surrogate: 2-Fluorophenol	*117*		µg/L	200		58.4	15-110				
Surrogate: Phenol-d6	*82.7*		µg/L	200		41.4	15-110				
Surrogate: Nitrobenzene-d5	*87.3*		µg/L	100		87.3	30-130				
Surrogate: 2-Fluorobiphenyl	*87.8*		µg/L	100		87.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		95.0	15-110				
Surrogate: p-Terphenyl-d14	*95.3*		µg/L	100		95.3	30-130				
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene	40.6	5.0	µg/L	50.0		81.3	40-140	1.14	20		
Acenaphthylene	41.5	5.0	µg/L	50.0		83.0	40-140	1.12	20		
Aniline	35.3	5.0	µg/L	50.0		70.7	40-140	3.59	50	V-34	† ‡
Anthracene	42.4	5.0	µg/L	50.0		84.8	40-140	0.995	20		
Benzo(a)anthracene	43.2	5.0	µg/L	50.0		86.5	40-140	0.510	20		
Benzo(a)pyrene	43.3	5.0	µg/L	50.0		86.5	40-140	0.440	20		
Benzo(b)fluoranthene	40.7	5.0	µg/L	50.0		81.5	40-140	1.51	20		
Benzo(g,h,i)perylene	44.9	5.0	µg/L	50.0		89.8	40-140	5.08	20		
Benzo(k)fluoranthene	41.8	5.0	µg/L	50.0		83.7	40-140	1.01	20		
Bis(2-chloroethoxy)methane	47.9	10	µg/L	50.0		95.8	40-140	1.22	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B220070 - SW-846 3510C											
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Bis(2-chloroethyl)ether	42.6	10	µg/L	50.0		85.2	40-140	6.54	20		
Bis(2-chloroisopropyl)ether	45.8	10	µg/L	50.0		91.5	40-140	7.08	20		
Bis(2-Ethylhexyl)phthalate	47.6	10	µg/L	50.0		95.2	40-140	2.49	20		
4-Bromophenylphenylether	43.5	10	µg/L	50.0		87.0	40-140	1.55	20		
Butylbenzylphthalate	47.7	10	µg/L	50.0		95.3	40-140	1.73	20		
Carbazole	41.0	10	µg/L	50.0		82.1	40-140	1.52	20		
4-Chloroaniline	36.8	10	µg/L	50.0		73.6	40-140	1.62	20		†
4-Chloro-3-methylphenol	42.6	10	µg/L	50.0		85.3	30-130	2.39	20		
2-Chloronaphthalene	37.4	10	µg/L	50.0		74.7	40-140	2.82	20		
2-Chlorophenol	40.5	10	µg/L	50.0		81.0	30-130	4.42	20		
4-Chlorophenylphenylether	42.0	10	µg/L	50.0		84.1	40-140	0.310	20		
Chrysene	41.6	5.0	µg/L	50.0		83.2	40-140	0.554	20		
Dibenz(a,h)anthracene	42.7	5.0	µg/L	50.0		85.5	40-140	3.29	20		
Dibenzofuran	42.6	5.0	µg/L	50.0		85.1	40-140	1.21	20		
Di-n-butylphthalate	44.2	10	µg/L	50.0		88.3	40-140	0.0905	20		
3,3-Dichlorobenzidine	48.6	10	µg/L	50.0		97.3	40-140	1.93	20		† ‡
2,4-Dichlorophenol	42.5	10	µg/L	50.0		85.1	30-130	0.874	20		
Diethylphthalate	41.6	10	µg/L	50.0		83.2	40-140	1.67	20		
2,4-Dimethylphenol	44.9	10	µg/L	50.0		89.7	30-130	0.201	20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.4	40-140	1.06	50		
4,6-Dinitro-2-methylphenol	44.4	10	µg/L	50.0		88.8	30-130	2.60	50		
2,4-Dinitrophenol	43.1	10	µg/L	50.0		86.1	30-130	1.92	50		
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.9	40-140	1.17	20		
2,6-Dinitrotoluene	46.6	10	µg/L	50.0		93.2	40-140	0.0644	20		
Di-n-octylphthalate	47.4	10	µg/L	50.0		94.8	40-140	1.32	20		
Fluoranthene	41.7	5.0	µg/L	50.0		83.4	40-140	2.82	20		
Fluorene	40.9	5.0	µg/L	50.0		81.9	40-140	0.834	20		
Hexachlorobenzene	44.5	10	µg/L	50.0		89.0	40-140	1.81	20		
Hexachlorobutadiene	40.1	10	µg/L	50.0		80.2	40-140	0.325	20		
Hexachlorocyclopentadiene	42.2	10	µg/L	50.0		84.5	30-140	4.21	50		
Hexachloroethane	39.4	10	µg/L	50.0		78.8	40-140	5.98	50		
Indeno(1,2,3-cd)pyrene	43.9	5.0	µg/L	50.0		87.8	40-140	3.86	50		
Isophorone	45.1	10	µg/L	50.0		90.2	40-140	1.87	20		
2-Methylnaphthalene	42.4	5.0	µg/L	50.0		84.9	40-140	0.915	20		
2-Methylphenol	41.7	10	µg/L	50.0		83.3	30-130	4.50	20		
3/4-Methylphenol	35.8	10	µg/L	50.0		71.6	30-130	3.48	20		
Naphthalene	40.2	5.0	µg/L	50.0		80.4	40-140	0.892	20		
2-Nitroaniline	43.4	10	µg/L	50.0		86.9	40-140	0.574	20	V-35	
3-Nitroaniline	42.2	10	µg/L	50.0		84.5	40-140	1.77	20		†
4-Nitroaniline	41.7	10	µg/L	50.0		83.5	40-140	0.930	20		
Nitrobenzene	41.8	10	µg/L	50.0		83.5	40-140	1.50	20		
2-Nitrophenol	46.1	10	µg/L	50.0		92.2	30-130	1.05	20		
4-Nitrophenol	22.6	10	µg/L	50.0		45.2	10-130	0.354	50		‡
N-Nitrosodiphenylamine/Diphenylamine	45.1	10	µg/L	50.0		90.1	40-140	2.72	20		
N-Nitrosodi-n-propylamine	41.5	10	µg/L	50.0		83.0	40-140	7.58	20		
Pentachloronitrobenzene	42.7	10	µg/L	50.0		85.4	40-140	0.188	20	V-16	
Pentachlorophenol	42.5	10	µg/L	50.0		84.9	30-130	0.0236	50		
Phenanthrene	43.0	5.0	µg/L	50.0		85.9	40-140	2.21	20		
Phenol	20.3	10	µg/L	50.0		40.5	20-130	3.87	20		
Pyrene	41.9	5.0	µg/L	50.0		83.9	40-140	1.87	20		
Pyridine	23.0	5.0	µg/L	50.0		45.9	10-140	2.15	50		†
1,2,4,5-Tetrachlorobenzene	42.3	10	µg/L	50.0		84.6	40-140	3.56	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220070 - SW-846 3510C										
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18						
1,2,4-Trichlorobenzene	40.0	5.0	µg/L	50.0		80.0	40-140	0.574	20	
2,4,5-Trichlorophenol	43.2	10	µg/L	50.0		86.4	30-130	2.60	20	
2,4,6-Trichlorophenol	45.2	10	µg/L	50.0		90.3	30-130	1.27	50	
Surrogate: 2-Fluorophenol	*112*		µg/L	200		55.8	15-110			
Surrogate: Phenol-d6	*78.7*		µg/L	200		39.3	15-110			
Surrogate: Nitrobenzene-d5	*85.6*		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	*88.8*		µg/L	100		88.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*189*		µg/L	200		94.4	15-110			
Surrogate: p-Terphenyl-d14	*93.3*		µg/L	100		93.3	30-130			
Batch B220174 - SW-846 3510C										
Blank (B220174-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*120*		µg/L	200		60.2	15-110			
Surrogate: Phenol-d6	*80.5*		µg/L	200		40.3	15-110			
Surrogate: Nitrobenzene-d5	*85.8*		µg/L	100		85.8	30-130			
Surrogate: 2-Fluorobiphenyl	*53.4*		µg/L	100		53.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.4	15-110			
Surrogate: p-Terphenyl-d14	*70.4*		µg/L	100		70.4	30-130			
LCS (B220174-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene (SIM)	36.6	7.5	µg/L	50.0		73.2	40-140			
Acenaphthylene (SIM)	38.3	7.5	µg/L	50.0		76.6	40-140			
Anthracene (SIM)	40.0	5.0	µg/L	50.0		80.0	40-140			
Benzo(a)anthracene (SIM)	38.7	1.2	µg/L	50.0		77.4	40-140			
Benzo(a)pyrene (SIM)	41.1	2.5	µg/L	50.0		82.2	40-140			
Benzo(b)fluoranthene (SIM)	41.9	1.2	µg/L	50.0		83.8	40-140			
Benzo(g,h,i)perylene (SIM)	40.1	12	µg/L	50.0		80.2	40-140			
Benzo(k)fluoranthene (SIM)	40.9	5.0	µg/L	50.0		81.8	40-140			
Chrysene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140			
Dibenz(a,h)anthracene (SIM)	41.9	5.0	µg/L	50.0		83.8	40-140			
Fluoranthene (SIM)	35.0	12	µg/L	50.0		70.0	40-140			
Fluorene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	42.9	5.0	µg/L	50.0		85.8	40-140			
2-Methylnaphthalene (SIM)	36.6	25	µg/L	50.0		73.2	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B220174 - SW-846 3510C											
LCS (B220174-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Naphthalene (SIM)	33.4	25	µg/L	50.0		66.8		40-140			
Pentachlorophenol (SIM)	ND	25	µg/L	50.0			*	40-140			
Phenanthrene (SIM)	37.4	1.2	µg/L	50.0		74.9		40-140			
Pyrene (SIM)	35.1	25	µg/L	50.0		70.2		40-140			
Surrogate: 2-Fluorophenol	*97.1*		µg/L	200		48.6		15-110			
Surrogate: Phenol-d6	*69.3*		µg/L	200		34.6		15-110			
Surrogate: Nitrobenzene-d5	*72.4*		µg/L	100		72.4		30-130			
Surrogate: 2-Fluorobiphenyl	*54.4*		µg/L	100		54.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*154*		µg/L	200		77.0		15-110			
Surrogate: p-Terphenyl-d14	*58.2*		µg/L	100		58.2		30-130			
LCS Dup (B220174-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene (SIM)	38.8	7.5	µg/L	50.0		77.5		40-140	5.71	20	
Acenaphthylene (SIM)	40.8	7.5	µg/L	50.0		81.5		40-140	6.20	20	
Anthracene (SIM)	42.5	5.0	µg/L	50.0		85.0		40-140	5.94	20	
Benzo(a)anthracene (SIM)	41.4	1.2	µg/L	50.0		82.7		40-140	6.69	20	
Benzo(a)pyrene (SIM)	44.3	2.5	µg/L	50.0		88.6		40-140	7.49	20	
Benzo(b)fluoranthene (SIM)	45.0	1.2	µg/L	50.0		90.0		40-140	7.08	20	
Benzo(g,h,i)perylene (SIM)	43.4	12	µg/L	50.0		86.8		40-140	7.78	20	
Benzo(k)fluoranthene (SIM)	44.3	5.0	µg/L	50.0		88.6		40-140	7.99	20	
Chrysene (SIM)	40.1	5.0	µg/L	50.0		80.2		40-140	7.30	20	
Dibenz(a,h)anthracene (SIM)	45.8	5.0	µg/L	50.0		91.6		40-140	8.84	20	
Fluoranthene (SIM)	41.7	12	µg/L	50.0		83.4		40-140	17.5	20	
Fluorene (SIM)	39.9	25	µg/L	50.0		79.8		40-140	3.83	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.6	5.0	µg/L	50.0		93.1		40-140	8.16	20	‡
2-Methylnaphthalene (SIM)	39.0	25	µg/L	50.0		78.0		40-140	6.22	20	
Naphthalene (SIM)	35.8	25	µg/L	50.0		71.6		40-140	6.93	20	
Pentachlorophenol (SIM)	25.2	25	µg/L	50.0		50.4		40-140	2.21	20	
Phenanthrene (SIM)	40.3	1.2	µg/L	50.0		80.6		40-140	7.33	20	
Pyrene (SIM)	40.0	25	µg/L	50.0		80.1		40-140	13.2	20	
Surrogate: 2-Fluorophenol	*83.6*		µg/L	200		41.8		15-110			
Surrogate: Phenol-d6	*68.7*		µg/L	200		34.4		15-110			
Surrogate: Nitrobenzene-d5	*78.5*		µg/L	100		78.5		30-130			
Surrogate: 2-Fluorobiphenyl	*59.8*		µg/L	100		59.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.7		15-110			
Surrogate: p-Terphenyl-d14	*64.8*		µg/L	100		64.8		30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219881 - SW-846 3510C										
Blank (B219881-BLK1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.46*		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.51*		µg/L	2.00		75.4	30-150			
LCS (B219881-BS1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		83.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.3	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.5	40-140			
Surrogate: Decachlorobiphenyl	*1.51*		µg/L	2.00		75.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/L	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.56*		µg/L	2.00		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.5	30-150			
LCS Dup (B219881-BSD1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		84.7	40-140	1.14	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	4.00	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.9	40-140	1.21	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.9	40-140	0.655	20	
Surrogate: Decachlorobiphenyl	*0.836*		µg/L	2.00		41.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.947*		µg/L	2.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.58*		µg/L	2.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220047 - SW-846 3510C										
Blank (B220047-BLK1)				Prepared & Analyzed: 12/27/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0906*		mg/L	0.100		90.6	50-150			
LCS (B220047-BS1)				Prepared & Analyzed: 12/27/18						
CT ETPH	0.921	0.075	mg/L	1.00		92.1	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0819*		mg/L	0.100		81.9	50-150			
LCS Dup (B220047-BSD1)				Prepared & Analyzed: 12/27/18						
CT ETPH	0.889	0.075	mg/L	1.00		88.9	60-120	3.56	30	
Surrogate: 2-Fluorobiphenyl	*0.0830*		mg/L	0.100		83.0	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219822 - SW-846 3005A										
Blank (B219822-BLK1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B219822-BS1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	513	4.0	µg/L	500		103	80-120			
Barium	517	100	µg/L	500		103	80-120			
Cadmium	514	5.0	µg/L	500		103	80-120			
Chromium	518	10	µg/L	500		104	80-120			
Copper	1020	50	µg/L	1000		102	80-120			
Lead	509	10	µg/L	500		102	80-120			
Selenium	508	50	µg/L	500		102	80-120			
Silver	449	5.0	µg/L	500		89.8	80-120			
LCS Dup (B219822-BSD1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	506	4.0	µg/L	500		101	80-120	1.39	20	
Barium	516	100	µg/L	500		103	80-120	0.0774	20	
Cadmium	514	5.0	µg/L	500		103	80-120	0.0612	20	
Chromium	511	10	µg/L	500		102	80-120	1.43	20	
Copper	1000	50	µg/L	1000		100	80-120	1.20	20	
Lead	505	10	µg/L	500		101	80-120	0.677	20	
Selenium	499	50	µg/L	500		99.9	80-120	1.69	20	
Silver	468	5.0	µg/L	500		93.6	80-120	4.09	20	
Batch B219933 - SW-846 7470A Prep										
Blank (B219933-BLK1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	ND	0.00010	mg/L							
LCS (B219933-BS1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	0.00195	0.00010	mg/L	0.00200		97.6	80-120			
LCS Dup (B219933-BSD1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120	3.35	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219756 - SW-846 7196A										
Blank (B219756-BLK1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B219756-BS1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100		97.5	80-120			
LCS Dup (B219756-BSD1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		95.2	80-120	2.44	20	
Duplicate (B219756-DUP1)		**Source: 18L1024-02**		Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B219756-MS1)		**Source: 18L1024-02**		Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100	ND	97.5	75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219881-BS1 Date(s) Analyzed: 12/27/2018 12/27/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.42	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.43	9.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219881-BSD1 Date(s) Analyzed: 12/27/2018 12/27/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

RL 1024

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

Turn Requested (Prior notice required)

7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

Check Applicable Deliverables

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☑ EXCEL ☑
Other: _____
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsoni@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper						# of Containers	[2] Preservation Code	[3] Container Code
								V	A	A	A	P	P								
								3	2	2	2	1	1								
								H	I	I	I	N	I								
1	CCA-3	12/2/18	1020		X	GW	U			X	X	X	X								
2	CCA-4		1130							X	X	X	X								
3	MW-300		1230					X	X	X											
4	CCA-5		1300					X	X	X											
5	MW-AIR-1		1400								X										
6	TRIP BLANK		-					X													

Comments: (1) Please bill Weston & Sampson directly, using Eversource rates.

Please send results to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Data Package Options (circle all that apply)

MA ☐
CT ☐
Other ☐

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
_____

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)
_____

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)
_____

Deliverables / Matrix Groups

○ Field Filtered
○ Lab to Filter

Deliverables / Matrix Groups

○ Field Filtered
○ Lab to Filter

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	12/3/18		12/3/18 1630				12/3/18 1815				12/20/18 1815

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By LR Date 12/20/18 Time 1815

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.8, 4.3

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? T

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? T

Do all samples have the proper pH? T

Who was notified? _____

Who was notified? _____

Who was notified? Dwd

MS/MSD? F

Is splitting samples required? F

On COC? T

Acid T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	14	1 Liter Plastic	2	16 oz Amb.	
HCL-	8	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	4	Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

X:\HPCHEM\1\DATA\A122718.SEC\A1227047.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1227047.D
Data File Path	X:\HPCHEM\1\DATA\A122718.SEC\
Operator	RMW
Date Acquired	12/27/2018 7:18
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.15	338999	357703	5
c - 10	1.51	344070	357703	4
c - 12	2.24	346152	357703	3
c - 14	2.90	360222	357703	-1
c - 16	3.50	366954	357703	-3
c - 18	4.08	368640	357703	-3
c - 20	4.70	372010	357703	-4
c - 22	5.21	373520	357703	-4
c - 24	5.65	370233	357703	-4
c - 26	6.04	367502	357703	-3
c - 28	6.40	368072	357703	-3
c - 30	6.73	370411	357703	-4
c - 32	7.04	353121	357703	1
c - 34	7.33	337516	357703	6
c - 36	7.62	328120	357703	8

*One compound allowed %D </=50%

Samples

18L1004-02
18L1024-01
18L1024-03
18L1024-04
18L1004-01
18L1005-12
18L1005-09
18L1005-08
18L1024-02
18L1145-02

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18L1024

Laboratory Sample ID(s):

18L1024-01 thru 18L1024-06

Sample Date(s):

12/20/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020B, SW-846 7196A, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

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.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 12/28/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

Appendix D

Generic Low Flow Purge Report

Record: 19	
Location	SimsburyAWC
Date and Time On Site	2018-03-28 09:19:30
Sampled By	Gabriella pagliuca
Temperature (F)	30
Weather Conditions	Cloudy, Drizzly
Ground Conditions	Wet

Well Details	
Well ID	Cca-3
Well Type	Pvc
Total Depth (Feet)	17.29
Initial DTW (Feet)	14.79
Sample Collection Status	Yes
Sample Collected	9:35
Sample Date and Time	2018-03-28 09:35:04
Notes	DTW dropped .3 feet within ten minutes so went straightntonsampling due to low amount of water in well

Purge Details	
Time	09:26:00
DTW	14.94
TURB	57.6
ORP	189
Temp	11.90
SpC	1.16
DO	9.83
pH	5.55

Purge Details	
Time	09:31:00
DTW	15.02
TURB	37.1
ORP	166
Temp	11.54
SpC	1.18
DO	9.50
pH	5.59

powered by ZerionSoftware

Well Details	
Well ID	Mw-cca4
Total Depth (Feet)	18.97
Initial DTW (Feet)	7.35
Sample Collection Status	Yes
Field Filtered	No
Sample Date and Time	2018-03-28 10:38:42

Purge Details	
Time	10:34:00
Flow	160
DTW	7.43
TURB	42.4
ORP	164
Temp	11.44
SpC	0.138
DO	8.98
pH	5.84

Purge Details	
Time	10:51:00
Flow	160
DTW	7.40
TURB	39.9
ORP	169
Temp	11.63
SpC	0.126
DO	8.92
pH	5.91

Purge Details	
Time	10:55:00
Flow	160
DTW	7.41
TURB	35.3
ORP	174
Temp	11.65
SpC	0.123
DO	8.83
pH	5.95

Purge Details	
Time	10:59:00
Flow	160
DTW	7.41
TURB	34.1
ORP	173
Temp	11.77
SpC	0.123
DO	8.68
pH	5.97

Purge Details	
Time	11:03:00
Flow	160
DTW	7.42
TURB	26.2
ORP	175
Temp	11.65
SpC	0.122
DO	8.61
pH	6.00

Purge Details	
Time	11:07:00
Flow	160
DTW	7.41
TURB	22.4
ORP	176
Temp	11.54
SpC	.122
DO	8.63
pH	6.05

Purge Details	
Time	11:11:00
Flow	160
DTW	7.41
TURB	18.5
ORP	177
Temp	11.49
SpC	0.121
DO	8.64
pH	6.05

Purge Details	
Time	11:15:00
Flow	160
DTW	7.41
TURB	15.7
ORP	180
Temp	11.77
SpC	0.120
DO	8.58
pH	6.06

Purge Details	
Time	11:19:00
Flow	160
DTW	7.42
TURB	13.8
ORP	181
Temp	11.71
SpC	0.119
DO	8.51
pH	6.04

Purge Details	
Time	11:23:00
Flow	160
DTW	7.43
TURB	13.3
ORP	182
Temp	11.58
SpC	0.119
DO	8.54
pH	6.07

Purge Details	
Time	11:27:00
Flow	160
DTW	7.42
TURB	11.4
ORP	182
Temp	11.59
SpC	0.118
DO	8.50
pH	6.02

Purge Details	
Time	11:31:00
Flow	160
DTW	7.42
TURB	10.9
ORP	185
Temp	11.49
SpC	0.118
DO	8.49
pH	6.06

Purge Details	
Time	11:35:00
Flow	160
DTW	7.43
TURB	10.0
ORP	189
Temp	11.43
SpC	0.117
DO	8.52
pH	6.07

Well Details	
Well ID	Mw-310
Well Type	Pvc
Total Depth (Feet)	19.98
Initial DTW (Feet)	14.54
Sample Collection Status	Yes
Field Filtered	No
Sample Date and Time	2018-03-28 12:55:37
Notes	Dtw went down by 0.3 feet within the first minute. Went straight to sampling. Water ery turbid so let some sit to let the silt settle out and poured the water in the jar

Well Details	
Well ID	Mw-203
Total Depth (Feet)	20.0
Initial DTW (Feet)	9.8
Sample Collection Status	Yes
Sample Collected	1420
Field Filtered	No
Sample Date and Time	2018-03-28 14:20:57

Purge Details	
Time	13:45:00
Flow	240
DTW	9.8
TURB	61.6
ORP	174
Temp	14.57
SpC	0.360
DO	9.11
pH	6.22

Purge Details	
Time	13:49:00
Flow	240
DTW	9.8
TURB	56.6
ORP	173
Temp	13.26
SpC	0.369
DO	9.45
pH	6.32

Purge Details	
Time	13:53:00
Flow	20.0
DTW	9.8
TURB	42.1
ORP	173
Temp	13.68
SpC	0.364
DO	9.31
pH	6.29

Purge Details	
Time	13:57:00
Flow	240
DTW	9.8
TURB	41.2
ORP	173.
Temp	12.99
SpC	0.366
DO	9.34
pH	6.36

Purge Details	
Time	14:01:00
Flow	240
DTW	9.8
TURB	33.2
ORP	176
Temp	13.33
SpC	0.358
DO	9.18
pH	6.30

Purge Details	
Time	14:05:00
Flow	240
DTW	9.8
TURB	26.7
ORP	176
Temp	13.35
SpC	0.355
DO	9.05
pH	6.28

Purge Details	
Time	14:09:00
Flow	240
DTW	9.8
TURB	22.4
ORP	178
Temp	13.21
SpC	0.353
DO	9.13
pH	6.30

Purge Details	
Time	14:13:00
Flow	240
DTW	9.8
TURB	23.3
ORP	175
Temp	12.95
SpC	0.351
DO	9.10
pH	6.38

Purge Details	
Time	14:17:00
Flow	240
DTW	9.8
TURB	22.5
ORP	177
Temp	13.15
SpC	0.347
DO	8.85
pH	6.36

Well Details	
Well ID	Mw-2A
Well Type	Pvc
Riser Diameter (Inches)	4 in
Total Depth (Feet)	23.3
Initial DTW (Feet)	11.1
Sample Collection Status	Yes
Sample Collected	1528
Field Filtered	No
Sample Date and Time	2018-03-28 15:28:07

Purge Details	
Time	14:58:00
Flow	240
DTW	11.1
TURB	67.1
ORP	183
Temp	14.74
SpC	0.949
DO	8.15
pH	6.01

Purge Details	
Time	15:02:00
Flow	240
DTW	11.12
TURB	50.5
ORP	176
Temp	14.65
SpC	0.949
DO	7.93
pH	6.04

Purge Details	
Time	15:06:00
Flow	240
DTW	11.12
TURB	37.0
ORP	173
Temp	14.50
SpC	0.950
DO	8.05
pH	6.00

Purge Details	
Time	15:10:00
Flow	240
DTW	11.12
TURB	32.7
ORP	179
Temp	14.20
SpC	0.959
DO	7.93
pH	6.10

Purge Details	
Time	15:14:00
Flow	240
DTW	11.12
TURB	32.7
ORP	178
Temp	14.09
SpC	0.959
DO	8.09
pH	6.11

Purge Details	
Time	15:18:00
Flow	240
DTW	11.13
TURB	24.7
ORP	176
Temp	14.30
SpC	0.958
DO	7.69
pH	6.08

Purge Details	
Time	15:22:00
Flow	240
DTW	11.13
TURB	23.6
ORP	177
Temp	14.04
SpC	0.968
DO	7.79
pH	6.12

Purge Details	
Time	15:26:00
Flow	240
DTW	11.13
TURB	22.9
ORP	180
Temp	14.32
SpC	0.953
DO	7.91
pH	6.09

Well Details	
Well ID	MW-TRW1
Well Type	PVC
Riser Diameter (Inches)	4 inches
Initial DTW (Feet)	8.10
Sample Collection Status	Yes
Sample Collected	9:00
Field Filtered	No
Sample Date and Time	2018-03-30 09:00:09

Purge Details	
Time	08:35:00
Flow	140
DTW	8.09
TURB	3.94
ORP	-48.6
Temp	11.23
SpC	169
DO	1.26
pH	7.58

Purge Details	
Time	08:39:00
Flow	140
DTW	8.09
TURB	3.5
ORP	-45.2
Temp	11.19
SpC	168
DO	0.91
pH	7.28

Purge Details	
Time	08:43:00
Flow	140
DTW	8.09
TURB	2.5
ORP	-49.4
Temp	11.14
SpC	167
DO	0.77
pH	7.19

Purge Details	
Time	08:47:00
Flow	140
DTW	8.10
TURB	2.3
ORP	-50.6
Temp	11.12
SpC	166
DO	0.67
pH	7.14

Purge Details	
Time	08:51:00
Flow	140
DTW	8.09
TURB	2.5
ORP	-57.1
Temp	11.12
SpC	166
DO	0.61
pH	7.10

Purge Details	
Time	08:55:00
Flow	140
DTW	8.1
TURB	2.3
ORP	-59.8
Temp	11.09
SpC	166
DO	0.62
pH	7.08

Well Details	
Well ID	MW-T3
Well Type	PVC
Riser Diameter (Inches)	4 inches
Initial DTW (Feet)	10.93
Sample Collection Status	Yes
Sample Collected	10:20
Field Filtered	No
Sample Date and Time	2018-03-30 10:20:16
Notes	DTW kept goin down but everything else stabilized so sampled

Purge Details	
Time	10:00:00
Flow	160
DTW	11.06
TURB	0.6
ORP	21.1
Temp	13.03
SpC	267
DO	3.58
pH	6.87

Purge Details	
Time	10:04:00
Flow	160
DTW	11.13
TURB	0.00
ORP	21.6
Temp	13.06
SpC	270
DO	3.30
pH	6.77

Purge Details	
Time	10:08:00
Flow	140
DTW	11.19
TURB	0.0
ORP	20.4
Temp	13.04
SpC	271
DO	3.27
pH	6.75

Purge Details	
Time	10:13:00
Flow	140
DTW	11.23
TURB	0.0
ORP	19.8
Temp	13.01
SpC	271
DO	3.26
pH	6.73

Generic Low Flow Purge Report

Record: 22	
Location	Simsbury awc
Date and Time On Site	2018-03-28 09:29:24
Sampled By	Wvs
Temperature (F)	37
Weather Conditions	Cloudy

Well Details	
Well ID	MW-16
Total Depth (Feet)	14.50
Initial DTW (Feet)	10.37
Intake Set At (Feet)	13.50
Sample Collection Status	Yes
Sample Collected	1000
Field Filtered	No
Sample Date and Time	2018-03-28 09:29:28
Notes	Plus dup 1

Purge Details	
Time	09:32:00
Flow	150
DTW	10.38
TURB	3.44
ORP	47
Temp	4.5
SpC	.543
DO	13.40
pH	5.88

Purge Details	
Time	09:38:00
Flow	150
DTW	10.37
TURB	2.55
ORP	34
Temp	6.9
SpC	.503
DO	11.60
pH	5.87

Purge Details	
Time	09:53:00
Flow	150
DTW	10.37
TURB	2.32
ORP	49
Temp	7.7
SpC	.481
DO	10.74
pH	5.94

Purge Details	
Time	09:58:00
Flow	150
DTW	10.37
TURB	2.05
ORP	41
Temp	7.8
SpC	.482
DO	10.74
pH	5.95

Purge Details	
Time	10:03:00
Flow	150
DTW	10.37
TURB	1.87
ORP	37
Temp	7.8
SpC	.482
DO	10.85
pH	5.95

Purge Details	
Time	10:08:00
Flow	150
DTW	10.37
TURB	1.70
ORP	43
Temp	7.8
SpC	.484
DO	10.74
pH	5.94

Well Details	
Well ID	MW-CCA2
Total Depth (Feet)	19.79
Initial DTW (Feet)	9.64
Intake Set At (Feet)	14'
Sample Collection Status	Yes
Sample Collected	1210
Field Filtered	No
Sample Date and Time	2018-03-28 11:47:22

Purge Details	
Time	11:48:00
Flow	155
DTW	9.70'
TURB	0.41
ORP	44
Temp	11.3
SpC	.459
DO	5.84
pH	5.87

Purge Details	
Time	11:53:00
Flow	155
DTW	9.70
TURB	0.35
ORP	40
Temp	11.3
SpC	.462
DO	5.78
pH	5.84

Purge Details	
Time	11:58:00
Flow	160
DTW	9.70
TURB	0.31
ORP	34
Temp	11.1
SpC	.465
DO	5.64
pH	5.83

Purge Details	
Time	12:06:00
Flow	160
DTW	9.71
TURB	1.14
ORP	37
Temp	11.1
SpC	.468
DO	5.67
pH	5.81

Well Details	
Well ID	MW-202
Screen Length (Feet)	10
Total Depth (Feet)	18.5
Initial DTW (Feet)	9.30
Intake Set At (Feet)	13.5
Sample Collection Status	Yes
Sample Collected	1345
Field Filtered	No
Sample Date and Time	2018-03-28 12:56:24

Purge Details	
Time	12:57:00
Flow	160
DTW	9.30
TURB	41.2
ORP	28
Temp	10.1
SpC	.150
DO	10.40
pH	6.63

Purge Details	
Time	13:05:00
Flow	155
DTW	9.30
TURB	37.2
ORP	15
Temp	11.3
SpC	.157
DO	10.46
pH	6.62

Purge Details	
Time	13:10:00
Flow	155
DTW	9.30
TURB	30.5
ORP	108
Temp	11.9
SpC	.176
DO	9.61
pH	6.73

Purge Details	
Time	13:15:00
Flow	155
DTW	9.30
TURB	29.1
ORP	102
Temp	12.1
SpC	.179
DO	8.99
pH	6.68

Purge Details	
Time	13:24:00
Flow	155
DTW	9.30
TURB	28.9
ORP	90
Temp	12.2
SpC	.182
DO	8.97
pH	6.68

Purge Details	
Time	13:29:00
Flow	160
DTW	9.30
TURB	28.5
ORP	81
Temp	12.5
SpC	.186
DO	9.09
pH	6.66

Purge Details	
Time	13:34:00
Flow	160
DTW	9.30
TURB	27.9
ORP	81
Temp	12.4
SpC	.184
DO	9.98
pH	6.66

Purge Details	
Time	13:39:00
Flow	160
DTW	9.30
TURB	27.0
ORP	88
Temp	12.2
SpC	.182
DO	9.68
pH	6.65

Well Details	
Well ID	Mw-201
Screen Length (Feet)	10
Total Depth (Feet)	17.5
Initial DTW (Feet)	8.35
Intake Set At (Feet)	11
Sample Collection Status	Yes
Sample Collected	1445
Field Filtered	No
Sample Date and Time	2018-03-28 14:06:03

Purge Details	
Time	14:07:00
Flow	160
DTW	8.37
TURB	72.6
ORP	164
Temp	13.0
SpC	.209
DO	8.12
pH	6.19

Purge Details	
Time	14:12:00
Flow	155
DTW	8.37
TURB	58.1
ORP	156
Temp	12.9
SpC	.209
DO	7.98
pH	6.20

Purge Details	
Time	14:17:00
Flow	160
DTW	8.37
TURB	32.9
ORP	154
Temp	12.5
SpC	.209
DO	7.96
pH	6.21

Purge Details	
Time	14:22:00
Flow	160
DTW	8.37
TURB	31.5
ORP	148
Temp	12.7
SpC	.209
DO	7.96
pH	6.20

Purge Details	
Time	14:27:00
Flow	160
DTW	8.37
TURB	30.0
ORP	140
Temp	12.8
SpC	.209
DO	7.66
pH	6.22

Purge Details	
Time	14:32:00
Flow	160
DTW	8.37
TURB	28.8
ORP	131
Temp	12.9
SpC	.209
DO	7.77
pH	6.22

Purge Details	
Time	14:37:00
Flow	160
DTW	8.37
TURB	27.8
ORP	127
Temp	12.7
SpC	.207
DO	7.89
pH	6.23

Purge Details	
Time	14:42:00
Flow	160
DTW	8.37
TURB	26.2
ORP	126
Temp	12.9
SpC	.207
DO	8.24
pH	6.23

Well Details	
Well ID	MW-10
Total Depth (Feet)	15.70
Initial DTW (Feet)	10.55
Intake Set At (Feet)	13.50
Sample Collection Status	Yes
Sample Collected	945 3/29
Sample Date and Time	2018-03-29 08:55:38

Purge Details	
Time	09:25:00
Flow	160
DTW	10.56
TURB	4.24
ORP	120
Temp	11.3
SpC	.341
DO	9.57
pH	6.32

Purge Details	
Time	09:30:00
Flow	160
DTW	10.55
TURB	3.76
ORP	126
Temp	9.3
SpC	.375
DO	11.12
pH	6.33

Purge Details	
Time	09:35:00
Flow	160
DTW	10.55
TURB	3.05
ORP	132
Temp	9.5
SpC	.373
DO	11.30
pH	6.33

Purge Details	
Time	09:40:00
Flow	160
DTW	10.55
TURB	2.89
ORP	131
Temp	9.3
SpC	.369
DO	11.30
pH	6.32

Well Details	
Well ID	MW-11A
Total Depth (Feet)	13.16
Initial DTW (Feet)	9.36
Intake Set At (Feet)	11.50
Sample Collection Status	Yes
Sample Collected	1040 3/29
Sample Date and Time	2018-03-29 10:05:46

Purge Details	
Time	10:06:00
Flow	160
DTW	9.37
TURB	32.6
ORP	106
Temp	10.8
SpC	.410
DO	8.57
pH	6.73

Purge Details	
Time	10:11:00
Flow	160
DTW	9.37
TURB	23.8
ORP	112
Temp	10.9
SpC	.405
DO	8.01
pH	6.70

Purge Details	
Time	10:16:00
Flow	160
DTW	9.37
TURB	15.9
ORP	113
Temp	10.9
SpC	.403
DO	7.73
pH	6.69

Purge Details	
Time	10:21:00
Flow	160
DTW	9.37
TURB	11.4
ORP	123
Temp	10.8
SpC	.405
DO	8.13
pH	6.68

Purge Details	
Time	10:26:00
Flow	160
DTW	9.37
TURB	7.12
ORP	128
Temp	10.9
SpC	.402
DO	7.80
pH	6.67

Purge Details	
Time	10:31:00
Flow	160
DTW	9.37
TURB	6.96
ORP	131
Temp	11.1
SpC	.394
DO	7.40
pH	6.64

Purge Details	
Time	10:36:00
Flow	160
DTW	9.37
TURB	6.75
ORP	133
Temp	11.0
SpC	.395
DO	7.22
pH	6.63

Well Details	
Well ID	MW-4R
Total Depth (Feet)	13.57
Initial DTW (Feet)	9.86
Intake Set At (Feet)	12.50
Sample Collection Status	Yes
Sample Collected	1120 3/29
Sample Date and Time	2018-03-29 10:58:07

Purge Details	
Time	10:58:00
Flow	160
DTW	9.88
TURB	51.7
ORP	92
Temp	10.7
SpC	.329
DO	7.17
pH	7.18

Purge Details	
Time	11:03:00
Flow	160
DTW	9.89
TURB	33.4
ORP	100
Temp	10.5
SpC	.331
DO	9.00
pH	7.15

Purge Details	
Time	11:08:00
Flow	160
DTW	9.89
TURB	19.6
ORP	101
Temp	10.4
SpC	.335
DO	8.93
pH	7.14

Purge Details	
Time	11:13:00
Flow	160
DTW	9.88
TURB	18.5
ORP	102
Temp	10.4
SpC	.333
DO	9.01
pH	7.18

Purge Details	
Time	11:18:00
Flow	160
DTW	9.89
TURB	18.0
ORP	102
Temp	10.4
SpC	.335
DO	8.99
pH	7.17

Well Details	
Well ID	MW-6
Total Depth (Feet)	16.80
Initial DTW (Feet)	9.92
Intake Set At (Feet)	14
Sample Collection Status	Yes
Sample Collected	1210 3/29
Sample Date and Time	2018-03-29 12:10:12

Purge Details	
Time	11:35:00
Flow	160
DTW	9.94
TURB	34.6
ORP	84
Temp	11.3
SpC	.188
DO	9.82
pH	6.75

Purge Details	
Time	11:40:00
Flow	160
DTW	9.93
TURB	26.7
ORP	91
Temp	11.2
SpC	.174
DO	9.54
pH	6.60

Purge Details	
Time	11:45:00
Flow	160
DTW	9.93
TURB	20.0
ORP	108
Temp	11.1
SpC	.173
DO	9.77
pH	6.55

Purge Details	
Time	11:50:00
Flow	160
DTW	9.93
TURB	13.9
ORP	109
Temp	11.1
SpC	.176
DO	9.78
pH	6.53

Purge Details	
Time	11:55:00
Flow	160
DTW	9.93
TURB	9.62
ORP	112
Temp	11.1
SpC	.174
DO	9.33
pH	6.52

Purge Details	
Time	12:00:00
Flow	160
DTW	9.93
TURB	9.05
ORP	109
Temp	11.0
SpC	.176
DO	9.78
pH	6.51

Purge Details	
Time	12:05:00
Flow	160
DTW	9.93
TURB	8.85
ORP	108
Temp	11.0
SpC	.177
DO	9.74
pH	6.51

Well Details	
Well ID	MW-T6
Total Depth (Feet)	16.92
Initial DTW (Feet)	7.13
Sample Collection Status	Yes
Sample Date and Time	2018-03-29 12:30:34

Purge Details	
Time	12:11:00
Flow	160
DTW	7.20
TURB	6.52
ORP	79
Temp	11.0
SpC	.067
DO	10.27
pH	6.74

Purge Details	
Time	12:16:00
Flow	160
DTW	7.20
TURB	4.96
ORP	97
Temp	10.8
SpC	.064
DO	10.38
pH	6.67

Purge Details	
Time	12:21:00
Flow	160
DTW	7.20
TURB	4.54
ORP	91
Temp	10.8
SpC	.065
DO	10.50
pH	6.65

Purge Details	
Time	12:26:00
Flow	160
DTW	7.20
TURB	3.78
ORP	90
Temp	10.7
SpC	.065
DO	10.57
pH	6.65

Well Details	
Well ID	MW-15
Total Depth (Feet)	14.38
Initial DTW (Feet)	11.45
Intake Set At (Feet)	13.5
Sample Collection Status	Yes
Sample Date and Time	2018-03-30 09:15:33

Purge Details	
Time	08:46:00
Flow	160
DTW	11.47
TURB	3.38
ORP	32
Temp	9.9
SpC	.242
DO	10.54
pH	7.10

Purge Details	
Time	08:51:00
Flow	160
DTW	11.47
TURB	4.57
ORP	33
Temp	10.0
SpC	.238
DO	10.02
pH	6.91

Purge Details	
Time	08:56:00
Flow	160
DTW	11.47
TURB	3.87
ORP	31
Temp	10.0
SpC	.237
DO	10.21
pH	6.83

Purge Details	
Time	09:01:00
Flow	160
DTW	11.47
TURB	3.10
ORP	30
Temp	10.0
SpC	.236
DO	10.03
pH	6.78

Purge Details	
Time	09:06:00
Flow	160
DTW	11.47
TURB	2.85
ORP	30
Temp	10.1
SpC	.237
DO	10.05
pH	6.76

Well Details	
Well ID	MW-AIR-1
Total Depth (Feet)	15.00
Initial DTW (Feet)	11.32
Intake Set At (Feet)	13.50
Sample Collection Status	Yes
Sample Date and Time	2018-03-30 10:20:36

Purge Details	
Time	10:02:00
Flow	160
DTW	11.34
TURB	7.89
ORP	30
Temp	9.6
SpC	.200
DO	8.07
pH	6.33

Purge Details	
Time	10:07:00
Flow	160
DTW	11.34
TURB	2.51
ORP	16
Temp	9.6
SpC	.200
DO	7.75
pH	6.19

Purge Details	
Time	10:12:00
Flow	160
DTW	11.34
TURB	1.75
ORP	18
Temp	9.7
SpC	.195
DO	8.39
pH	6.19

Purge Details	
Time	10:17:00
Flow	160
DTW	11.34
TURB	1.55
ORP	21
Temp	9.7
SpC	.194
DO	8.47
pH	6.20

Well Details	
Well ID	MW-200
Screen Length (Feet)	10
Total Depth (Feet)	20.00
Initial DTW (Feet)	10.80
Intake Set At (Feet)	15.00
Sample Collection Status	Yes
Sample Date and Time	2018-03-30 11:40:48

Purge Details	
Time	11:13:00
Flow	160
DTW	10.83
TURB	57.1
ORP	31
Temp	11.4
SpC	.301
DO	9.36
pH	6.38

Purge Details	
Time	11:18:00
Flow	160
DTW	10.84
TURB	27.7
ORP	31
Temp	11.5
SpC	.303
DO	9.39
pH	6.33

Purge Details	
Time	11:23:00
Flow	160
DTW	10.84
TURB	17.0
ORP	31
Temp	11.3
SpC	.303
DO	9.44
pH	6.31

Purge Details	
Time	11:28:00
Flow	160
DTW	10.84
TURB	16.4
ORP	30
Temp	11.3
SpC	.302
DO	8.69
pH	6.32

Purge Details	
Time	11:33:00
Flow	160
DTW	10.84
TURB	16.2
ORP	36
Temp	11.3
SpC	.301
DO	8.74
pH	6.33

Well Details	
Well ID	MW-CCA5
Total Depth (Feet)	19.17
Initial DTW (Feet)	11.10
Intake Set At (Feet)	15.00
Sample Collection Status	Yes
Sample Date and Time	2018-03-30 12:20:20

Purge Details	
Time	11:53:00
Flow	160
DTW	11.12
TURB	17.3
ORP	48
Temp	9.9
SpC	.204
DO	9.97
pH	6.42

Purge Details	
Time	11:58:00
Flow	160
DTW	11.12
TURB	11.1
ORP	49
Temp	9.5
SpC	.200
DO	10.91
pH	6.45

Purge Details	
Time	12:03:00
Flow	160
DTW	11.12
TURB	8.05
ORP	51
Temp	9.2
SpC	.203
DO	10.71
pH	6.47

Purge Details	
Time	12:08:00
Flow	160
DTW	11.12
TURB	4.98
ORP	53
Temp	9.2
SpC	.207
DO	10.37
pH	6.49

Purge Details	
Time	12:13:00
Flow	160
DTW	11.12
TURB	4.02
ORP	55
Temp	9.2
SpC	.210
DO	10.53
pH	6.50

Purge Details	
Time	12:18:00
Flow	160
DTW	11.12
TURB	3.75
ORP	54
Temp	9.2
SpC	.208
DO	10.78
pH	6.48

Simsbury AWC Gauging Data Sheet

Date: 6/6/18

Measured by: WVS

Well	Well Depth (ft. btoc)	Depth to Oil (ft. btoc)	Depth to Water (ft. btoc)	Time	Well Diameter (inches)	Comments
RW-1	18.00	–	9.73	850	6	
MW-2A		–	10.90	838	4	
MW-4R	13.57	–	9.60	820	2	
MW-5	16.49				2	CAN NOT LOCATE
MW-6	16.80	–	9.65	837	2	
MW-8	16.47	–	11.00	818	2	No cover or cap
MW-10	15.70	–	10.29	817	2	Poor condition
MW-11A	13.16	–	9.06	815	4	
MW-14						Gauged for Sept. event
MW-15	14.38	–	11.15	800	4	
MW-16		–	10.10	805	2	Gauged for June event
MW-18						Gauged for Sept. event
MW-T1	16.75	–	7.82	834	4	
MW-T2	16.82	–	7.81	833	4	
MW-T3	16.90	–	11.36	835	4	
MW-T5	16.92	–	7.23	830	2	
MW-T6	16.92	–	7.27	831	2	
TRW-1	17.06	–	7.95	832	4	
CCA-1	13.96	–	6.90	720	2	
CCA-2	19.79	–	9.88	807	2	
CCA-3	17.29	–	15.20	810	2	
CCA-4	19.03	–	9.90	812	2	
CCA-5	19.17				2	
CCA-6	18.00	–	7.63	755	2	
MW-A1R-1	19.34	–	11.17	750	2	
MW-North	18.22				2	DESTROYED
MW-South	26.80				2	
MW-SA-South (R)	22.21	–	12.05	745	2	
MW-SA-North (R)	22.15	–	10.74	730	2	
MW-310		–	14.68	742	2	Installed in August 2017
MW-200		–	10.80	740		
MW-201		–	8.20	822		
MW-203		–	9.50	830		
MW-202		–	9.05	840		

General Comments

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name:	Simsbury AWC	Project #:		Date:	6/7/18
Well ID:	MW-AIR1	Well Diameter:	2"	Casing Type:	PVC
Initial Depth to Water:	11.17	Total Depth:	19.34	Screen Length:	
Pumping Method:	LF-PERISTALTIC				
Tube Intake Set at:	15.0'	Depth to Water with Tube:	11.17'	Sampled By:	WVS
Tube Diameter:	0.25"	Notes:			

Instrument Info
Flow Thru Cell: YSI Turbidity Meter: MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1145	150	11.20	6.67	180	14.4	.173	11.47	32.70	
1150	150	11.20	6.36	184	13.5	.167	6.69	25.64	
1155	150	11.20	6.27	184	13.4	.170	5.88	17.77	
1200	150	11.20	6.29	177	14.3	.112	7.80	10.26	
1205	150	11.20	6.27	179	14.4	.111	8.01	9.25	
1210	150	11.20	6.24	181	14.8	.106	8.20	8.98	
1215	150	11.20	6.22	183	14.0	.108	7.91	4.79	
1220	150	11.21	6.20	183	14.2	.107	7.62	4.01	
1225	150	11.21	6.22	182	14.3	.108	7.48	3.65	

Sample(s) Collected	Time	Color	Odor	Preservative
SVOCs	1230			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury AOC
Project #:
Date: 6/7/18
Well ID: CCA-5
Well Diameter: 2"
Casing Type: PVC
Initial Depth to Water: 11.10
Total Depth: 19.17'
Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 15.5'
Depth to Water with Tube: 11.10
Sampled By: WVS
Tube Diameter: 0.25"
Notes:

Instrument Info
Flow Thru Cell
Turbidity Meter

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1035	150	11.11	6.40	179	13.6	.142	9.99	5.15	
1040	150	11.11	6.35	180	14.4	.135	9.70	3.93	
1045	150	11.11	6.40	182	14.2	.145	9.19	3.65	
1050	150	11.11	6.40	183	14.4	.146	9.21	3.85	
1055	150	11.11	6.42	183	14.6	.148	8.89	3.01	
1100									

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH	1100			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury AWC Project #: Date: 6/7/18
Well ID: MW-200 Well Diameter: 2" Casing Type: PVC
Initial Depth to Water: 10.80 Total Depth: Screen Length: 2
Pumping Method: LF - PERISTALTIC
Tube Intake Set at: 15' Depth to Water with Tube: Sampled By: WVS
Tube Diameter: 0.25" Notes:

Instrument Info
Flow Thru Cell Turbidity Meter

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
940	150	10.83	6.85	153	14.1	.248	7.47	7.76	
945	150	10.83	6.06	183	13.6	.244	8.55	6.08	
950	150	10.83	6.14	181	13.8	.248	8.77	4.95	
955	150	10.83	6.18	182	13.8	.245	8.94	4.05	
1000	150	10.83	6.19	182	14.0	.244	8.99	3.50	

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH	1000			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury AWC Project #: Date: 6/6/18
Well ID: CCA-3 Well Diameter: 2" Casing Type: PVC
Initial Depth to Water: 15.20 Total Depth: Screen Length:
Pumping Method: LE - Peristaltic
Tube Intake Set at: 18' Depth to Water with Tube: Sampled By: AB
Tube Diameter: 0.25" Notes: Low water

Instrument Info
Flow Thru Cell 451 Turbidity Meter MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
910	150	15.75	7.71	4.8	12.6	1.21	12.74	17.7	
915	|	15.80	7.48	6.3	12.5	1.20	13.47	10.26	
920	|	15.90	7.49	5.9	12.5	1.21	14.26	9.91	
925		16.05	7.44	5.2	12.4	1.21	14.35	9.78	

Sample(s) Collected	Time	Color	Odor	Preservative
ETPH, SVOCs (PCB), 8 RCRA; Hex+TRI	925			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury Ave
Project #:
Date: 6/6/18
Well ID: MW-CCAY
Well Diameter: 2"
Casing Type: PVC
Initial Depth to Water: 8.9
Total Depth:
Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 11.5'
Depth to Water with Tube: 8.90'
Sampled By: AB
Tube Diameter: 0.25"
Notes:

Instrument Info
Flow Thru Cell: YSI
Turbidity Meter: MICROTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1010	150	8.85	7.32	24.6	15.7	.119	7.98	18.9	
1015	|	8.85	7.18	18.6	16.1	.107	7.87	17.85	
1020	|	8.85	7.18	21.7	16.1	.106	7.60	17.25	
1025	|	8.85	7.17	20.1	16.1	.105	7.43	16.85	

Sample(s) Collected	Time	Color	Odor	Preservative
ETPH, SVOCs (PCP), Hex+TRI RCRA	1025			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury AWC Project #: Date: 6/6/18
Well ID: MW-201 Well Diameter: 2" Casing Type: PVC
Initial Depth to Water: 8.20 Total Depth: Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 10.50' Depth to Water with Tube: Sampled By: AB
Tube Diameter: 0.25" Notes:

Instrument Info
Flow Thru Cell Mroft YSI Turbidity Meter MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1055	150	8.20	7.17	41.1	16.1	.171	8.05	9.90	
1100		8.20	7.28	44.4	16.2	.170	7.76	9.25	
1105		8.20	7.40	49.5	16.0	.176	7.20	7.70	
1110		8.20	7.44	52.5	15.9	.169	6.93	7.38	
1115		8.20	7.47	58.3	15.9	.168	6.81	7.10	

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH	1115			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury AWC
Project #:
Date: 6/6/18
Well ID: MW-15
Well Diameter: 4"
Casing Type: PVC
Initial Depth to Water: 11.15
Total Depth: 14.38'
Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at:
Depth to Water with Tube: 11.15
Sampled By: WVS
Tube Diameter: 0.25"
Notes:

Instrument Info
Flow Thru Cell YSI
Turbidity Meter MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1220	150	11.20	6.89	126	14.4	.211	9.70	4.40	
1225	150	11.19	6.57	131	14.5	.203	8.81	3.70	
1230	150	11.19	6.56	132	13.6	.201	8.87	3.05	
1235	150	11.19	6.56	132	13.7	.198	8.89	2.60	
1240	150	11.19	6.57	130	13.7	.198	9.20	1.95	

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH	1245			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury Alve Project #: Date: 6/6/18
Well ID: MW-16 Well Diameter: 4" Casing Type: PVC
Initial Depth to Water: 10.10 Total Depth: Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 13.50' Depth to Water with Tube: Sampled By: WS
Tube Diameter: 0.25" Notes:

Instrument Info
Flow Thru Cell YSI Turbidity Meter MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
850	150	10.15	5.99	165	11.1	.226	8.82	0.27	
855	150	10.15	5.93	169	11.1	.226	9.58	0.00	
900	150	10.14	5.93	171	11.1	.225	9.64	0.00	

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH, SVOCs, RCRA 8, Hex + TRI + Dup-1	900			

Well Purging-Groundwater Sampling Form

Weston & Sampson

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Project Name: Simsbury Ave Project #: Date: 6/6/18
Well ID: CCA-2 Well Diameter: Casing Type: PVC
Initial Depth to Water: 9.88 Total Depth: 19.79 Screen Length:
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: ~~15.0~~ 15.0' Depth to Water with Tube: 9.88 Sampled By: WWS
Tube Diameter: 0.25" Notes:

Instrument Info
Flow Thru Cell YSI Turbidity Meter MICROTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition

Purge Start Time

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1035	150	9.94	5.86	179	15.0	.472	6.92	0.34	
1040	150	9.94	5.73	179	15.0	.470	5.55	0.00	
1045	150	10.00	5.69	180	15.3	.492	5.32	0.00	
1050	150	10.00	5.70	184	15.3	.487	5.27	0.00	
1055	150	10.00	5.71	186	15.3	.483	5.22	0.00	
1100	150	10.00	5.72	188	15.3	.479	5.18	0.00	

Sample(s) Collected	Time	Color	Odor	Preservative
VOCs, PCBs, ETPH	1100			

Well Purging-Groundwater Sampling Form

Weston & Sampson

Page _____ of _____

Project Name: Simsbury Ave Project #: _____ Date: 6/7/18
Well ID: MW-202 Well Diameter: 2" Casing Type: 10
Initial Depth to Water: 9.05 Total Depth: _____ Screen Length: _____
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 11.50' Depth to Water with Tube: 9.05' Sampled By: WVS
Tube Diameter: _____ Notes: _____

Instrument Info
Flow Thru Cell: YSI Turbidity Meter: MicroTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition _____

Purge Start Time _____

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1200	150	8.95	8.52	16.5	16.0	.124	8.61	4.25	
1205	"	8.95	8.40	20.5	16.0	.124	8.44	3.99	
1210	"	8.95	8.37	27.9	16.1	.124	8.53	3.32	
1215	"	8.95	8.35	30.1	16.1	.123	8.40	3.23	

Sample(s) Collected	Time	Color	Odor	Preservative
	1220			

Well Purging-Groundwater Sampling Form

Weston & Sampson

Page _____ of _____

Project Name: Simsbury AWE
Project #: _____
Date: 6/7/18
Well ID: MW-203
Well Diameter: 2'
Casing Type: PVC
Initial Depth to Water: 9.50
Total Depth: _____
Screen Length: 10'
Pumping Method: LF-PERISTALTIC
Tube Intake Set at: 12'
Depth to Water with Tube: 9.50'
Sampled By: AB
Tube Diameter: 0.25"
Notes: _____

Instrument Info
Flow Thru Cell: YSI
Turbidity Meter: MICROTPW

Condition	Visual ID		Well Cap		Lock		Collar	
	Y	N	Y	N	Y	N	Good	Damaged

Comments on Well Condition _____

Purge Start Time _____

Time	Flow	DTW	PH	ORP	Temp	SpC	DO	Turb	Comments
Units	mL\min	Ft.	Units	mV	°C	mS/cm	mg\L	NTU's	
Min	ml/min	Not to exceed 0.3'	+/- 0.1	+/- 10	+/- 3%	+/- 3%	+/- 10% or 3 >0.5	+/- 10% or 3>5	
1235	150	9.50	8.42	31.6	16.5	.319	9.11	5.01	
1240	↓	9.50	8.38	37.3	16.3	.327	8.83	4.45	
1245		9.50	8.32	38.4	16.0	.325	8.70	2.68	
1250		9.50	8.30	40.2	16.0	.326	8.55	2.25	
1255	↓	9.50	8.30	41.1	16.1	.325	8.48	1.89	

Sample(s) Collected	Time	Color	Odor	Preservative
	1300			

Simsbury AWC Gauging Data Sheet

Date: 9/20/18

Measured by: WVS

Well	Well Depth (ft. btoc)	Depth to Oil (ft. btoc)	Depth to Water (ft. btoc)	Time	Well Diameter (inches)	Comments
RW-1	18.00	—	11.05	1000	6	
MW-2A		—	12.25	950		
MW-4R	13.57		10.90	945	2	
MW-5	16.49				2	CAN NOT LOCATE
MW-6	16.80	—	11.00	940	2	
MW-8	16.47	—	12.30	937	2	
MW-10	15.70		11.54	935	2	
MW-11A	13.16		10.41	930	4	
MW-14	CNL					Gauged for Sept. event
MW-15	14.38	—	12.15	855	4	
MW-16		—	11.22	900	2	Gauged for June event
MW-18	CNL					Gauged for Sept. event
MW-T1	16.75	—	7.85	923	4	
MW-T2	16.82	—	7.90	926	4	
MW-T3	16.90	—	11.66	925	4	
MW-T5	16.92	—	7.30	924	2	
MW-T6	16.92	—	7.35	922	2	
TRW-1	17.06	—	8.31	924	4	
CCA-1	13.96	—	9.50	830	2	
CCA-2	19.79	—	10.20	905	2	
CCA-3	17.29	—	17.00	907	2	
CCA-4	19.03	—	8.32	910	2	
CCA-5	19.17	—	12.50	835	2	
CCA-6	18.00	—	8.63	840	2	
MW-A1R-1	19.34	—	DRY	845	2	
~~MW-North~~	~~18.22~~				~~2~~	~~DESTROYED~~
~~MW-South~~	~~26.80~~				~~2~~	~~Destroyed~~
MW-SA-South (R)	22.21	—	13.44	850	2	
MW-SA-North (R)	22.15	—	12.10	852	2	
MW-310		—	15.53	920	2	Installed in August 2017
MW-200	—	—	12.22	837		
MW-201		—	9.66	912		
MW-203		—	11.00 ~~12.53~~	917		
MW-202			10.53	915		

General Comments

Well Purging/Groundwater Sampling Report

Project Name: Simsbury Ave Project #: 2180209 Date: 9/20/18
Well ID: MW-A1R1 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: DRY Total Depth: 19.25' Screen Length: _____
Sampling Method: –
Tube Intake Set at: – Depth to Water with Tube: _____ Sampled By: _____
Tube Diameter: – Notes: Well was Dry – NO Sampling

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	

Well Purging/Groundwater Sampling Report

Project Name: Simsbury AWC Project #: 2180209 Date: 9/20/18
Well ID: CCA4 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 8.32 Total Depth: 19' Screen Length:
Sampling Method: LF-Peristaltic
Tube Intake Set at: ~~15~~ 15.00' Depth to Water with Tube: Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3< 0.5	+/- 0.1	
1125	150	8.33	4.7	199	23.24	.132	6.62	6.22	
1130	150	8.33	4.0	205	23.37	.131	6.54	6.19	
1135	150	8.33	3.7	209	23.62	.128	6.45	6.18	

Sample(s) Collected	Time	Preservative
Eph, SVOCs, (PCP), 8 RCRA, Hex + TRI Cr + Cu	1140	

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The Connecticut Light and Power Company
d/b/a Eversource Energy
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Well Purging/Groundwater Sampling Report

Project Name: Simsbury A/C Project #: 2180209 Date: 9/20/18
Well ID: MW-201 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 9.66 Total Depth: Screen Length: 10'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 14.00' Depth to Water with Tube: 9.66' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3 < 5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1205	150	9.66	24.0	206	21.50	.151	6.83	6.19	
1210	150	9.66	10.4	217	21.93	.151	6.61	5.99	
1215	150	9.66	7.6	223	2222	.150	6.51	5.93	
1220	150	9.66	7.2	231	22.36	.146	6.51	5.83	
1225	150	9.66	7.0	229	22.61	.145	6.50	5.92	

Sample(s) Collected	Time	Preservative
VOCs, PCBs, E+PH	1230	

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The Connecticut Light and Power Company
d/b/a Eversource Energy
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Well Purging/Groundwater Sampling Report

Project Name: Simsbury AWC Project #: 2180209 Date: 9/20/18
Well ID: MW-16 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 11.22 Total Depth: Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 14.50' Depth to Water with Tube: 11.22 Sampled By: WVS
Tube Diameter: 0.25 Notes:

	mL\min	Ft	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
755	150	11.25	18.3	153	15.88	.155	8.00	6.69	
800	150	11.25	8.3	179	16.04	.155	7.90	6.03	
805	150	11.26	0.0	187	16.05	.152	7.88	5.95	
810	150	11.25	0.0	190	16.06	.150	7.86	5.95	
815	150	11.25	0.0	191	16.07	.149	7.85	5.96	

Sample(s) Collected	Time	Preservative
EtPH + SVOCs (PCP); 8 RCRA; Hex + Tri CR + CL	815 + Dup-1	

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Project Name: Simsbury, AWC Project #: 2180209 Date: 9/20/18
Well ID: MW-15 Well Diameter (in) 4 Casing Type: PVC
Depth to Water: 12.15 Total Depth: 14' Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 13.75 Depth to Water with Tube: 12.15' Sampled By: MVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
900	150	12.20	8.7	176	17.91	.194	7.94	6.64	
905	150	12.20	5.8	179	18.12	.194	7.84	6.60	
910	150	12.20	4.3	181	18.18	.193	7.82	6.60	
915	150	12.20	3.3	182	18.22	.192	7.82	6.60	
920	150	12.20	1.7	183	18.22	.192	7.82	6.60	

Sample(s) Collected	Time	Preservative
PCBs, VOCs, ETPH	920	

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Project Name: Simsbury AWC Project #: 2180209 Date: 9/20/18
Well ID: CCA-3 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 10.20 Total Depth: 19.75' Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 12.00' Depth to Water with Tube: Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
955	150	10.29	7.6	209	20.63	.253	4.58	5.62	
1000	150	10.30	6.7	217	20.64	.262	4.52	5.58	
1005	150	10.30	5.9	222	20.67	.276	4.45	5.55	
1010	150	10.30	5.1	225	20.73	.283	4.40	5.54	
1015	150	10.30	4.5	229	20.75	.292	4.23	5.53	
1020	150	10.30	4.1	232	20.76	.295	4.19	5.51	
1025	150	10.30	3.7	234	20.75	.296	4.16	5.51	

Sample(s) Collected	Time	Preservative
PCBs, VOCs, ETPH	1030	

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Project Name: Simsbury AWC Project #: 2180209 Date: 9/20/18
Well ID: CCA-3 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 17.00 Total Depth: _____ Screen Length: _____
Sampling Method: _____
Tube Intake Set at: _____ Depth to Water with Tube: _____ Sampled By: _____
Tube Diameter: _____ Notes: Well was nearly dry not enough water to grab sample

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	

Sample(s) Collected	Time	Preservative

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Project Name: Cimsbury AWC Project #: 2180209 Date: 9/21/18
Well ID: MW-200 Well Diameter (in) 2" Casing Type: PVC
Depth to Water: 12.28 Total Depth: _____ Screen Length: 10'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 14.50' Depth to Water with Tube: 12.22 Sampled By: WVS
Tube Diameter: 0.25" Notes: _____

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
830	150	12.28	28.1	225	15.40	.194	7.23	5.91	
835	150	12.28	2.1	236	15.57	.194	7.15	5.83	
840	150	12.28	3.7	242	15.76	.194	7.10	5.80	
845	150	12.28	4.7	244	15.92	.193	7.06	5.81	

Sample(s) Collected	Time	Preservative
VOC, PCB, ETPH	845	

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Well Purging/Groundwater Sampling Report

Project Name: Simsbury AWS Project #: 2180209 Date: 9/21/18
Well ID: CCA-5 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 12.50 Total Depth: 19.15 Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 15.0' Depth to Water with Tube: 12.50' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 0.5	+/- 0.1	
900	150	12.57	13.3	243	15.88	.218	7.70	6.19	
905	150	12.57	14.0	246	16.19	.217	7.60	6.16	
910	150	12.57	14.4	246	16.31	.216	7.59	6.21	

Sample(s) Collected	Time	Preservative
VOCs, PCBs, ETPH	915	

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Well Purging/Groundwater Sampling Report

Project Name: Simsbury ANC Project #: 2180209 Date: 9/21/18
Well ID: MW-202 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 10.53 Total Depth: Screen Length: 10.00'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 13.50' Depth to Water with Tube: 10.53' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3 < 5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1020	150	10.60	16.6	220	20.22	.188	7.89	6.63	
1025	150	10.60	18.2	225	20.42	.187	7.83	6.48	
1030	150	10.60	18.6	230	20.56	.187	7.82	6.46	
1035	150	10.60	18.5	233	20.61	.189	7.78	6.45	

Sample(s) Collected	Time	Preservative
ETPH	1040	

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Well Purging/Groundwater Sampling Report

Project Name: Simsbury AWC Project #: 2180209 Date: 9/21/18
Well ID: MW-203 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 11.00 Total Depth: Screen Length: 10'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 14.00' Depth to Water with Tube: 11.00 Sampled By: WUS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
1130	150	11.07	6.2	237	20.68	.238	8.15	6.63	
1135	150	11.07	4.7	238	21.01	.231	8.25	6.55	
1140	150	11.07	4.6	241	21.15	.226	8.22	6.53	
1145	150	11.07	3.9	243	21.24	.225	8.23	6.52	
1150	150	11.07	3.7	245	21.26	.226	8.24	6.51	

Sample(s) Collected	Time	Preservative
8+PH	1150	

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Simsbury AWC Gauging Data Sheet

Date: 12/19/18

Measured by: WILL SIROTNAK

Well	Well Depth (ft. btoc)	Depth to Oil (ft. btoc)	Depth to Water (ft. btoc)	Time	Well Diameter (inches)	Comments
RW-1	18.00	-	8.85	841	6	
MW-2A		-	10.00	845	4	
MW-4R	13.57	-	8.75	844	2	
MW-5	16.49				2	CAN NOT LOCATE
MW-6	16.80	-	8.85	843	2	
MW-8	16.47	-	10.15	842	2	
MW-10	15.70	-	9.45	841	2	
MW-11A	13.16	-	8.25	840	4	
MW-14	-	-	-	-		Gauged for Sept. event
MW-15	14.38	-	10.45	817	4	
MW-16	14.20	-	9.35	815	2	Gauged for June event
MW-18		-	-	-		Gauged for Sept. event
MW-T1	16.75	-	7.46	830	4	
MW-T2	16.82	-	7.50	831	4	
MW-T3	16.90	-	8.49	832	4	
MW-T5	16.92	-	6.94	833	2	
MW-T6	16.92	-	6.95	834	2	
TRW-1	17.06	-	7.70	835	4	
CCA-1	13.96	-	4.65	750	2	
CCA-2	19.79	-	9.37	819	2	
CCA-3	17.29	-	13.26	820	2	
CCA-4	19.03	-	7.00	821	2	
CCA-5	19.17	-	10.17	907	2	
CCA-6	18.00	-	6.60	810	2	
MW-A1R-1	19.34	-	10.20	808	2	
MW-North	18.22	-	-	-	2	DESTROYED
MW-South	26.80	-	-	-	2	
MW-SA-South (R)	22.21	-	10.97	807	2	
MW-SA-North (R)	22.15	-	9.70	905	2	
MW-310	20.00'	-	13.30	823	2	Installed in August 2017
MW-200	18.00'		9.90	800		
MW-201	18.00'	-	7.37	825		
MW-203	20.00'	-	8.70	826		
MW-202	19.00'	-	8.20	827	2	

General Comments

Well Purging/Groundwater Sampling Report

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Project Name: Simsbury Ave Project #: 2180209 Date: 12/19/18
Well ID: MW-208 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 8.20 Total Depth: 19.00' Screen Length: 10'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 13' Depth to Water with Tube: 8.20' Sampled By: WVS
Tube Diameter: 0.250" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3 < 5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1325	150	8.23	0.27	126	14.44	0.080	7.21	7.15	
1330	150	8.23	0.02	118	14.20	0.079	7.39	7.10	
1335	150	8.23	0.02	111	14.18	0.080 0.081	7.80	7.03	
1340	150	8.23	0.02	108	14.17	0.081	7.81	7.00	

Sample(s) Collected	Time	Preservative
ETPH	1345	

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/19/18
Well ID: MW-201 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 7.37 Total Depth: 18.00' Screen Length: 10'
Sampling Method: LF - PERISTALTIC
Tube Intake Set at: 12.50' Depth to Water with Tube: 7.37 ' Sampled By: WVJ
Tube Diameter: 0.25" Notes:

	ml\min	Ft	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3 < 5 NTU	+/- 10	+/-3%	+/-3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1250	150	7.40	0.02	146	13.78	.153	7.27	6.61	
1255	150	7.40	0.02	128	13.63	.139	7.28	6.50	
1300	150	7.40	0.02	126	13.55	.138	7.25	6.48	
1305	150	7.40	0.02	124	14.02	.138	7.38	6.40	
1310	150	7.40	0.02	123	13.92	.138	7.48	6.42	

Sample(s) Collected	Time	Preservative
VOCs	1310	
PCBs		
ETPH		

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/9/18
Well ID: MW-16 Well Diameter (in) 4 Casing Type: PVC
Depth to Water: 9.35 Total Depth: 14.20' Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 12.00 Depth to Water with Tube: 9.35' Sampled By: WKS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
955	155	9.41	9.29	203	7.88	.130	8.63	8.28	
1000	155	9.41	6.05	161	9.40	.128	8.22	7.82	
1005	155	9.40	2.55	136	9.49	.128	8.39	7.41	
1010	155	9.40	0.98	131	9.66	.124	8.42	7.15	
1015	155	9.40	0.85	130	9.37	.121	8.57	7.03	
1020	155	9.40	0.80	129	9.87	.123	8.47	6.97	
1025	155	9.40	0.67	128	9.84	.123	8.61	6.95	
1030	155	9.40	0.58	127	9.70	.124	8.63	6.93	

Sample(s) Collected	Time	Preservative
PCBs, ETPH, SVOCs (Penta)	1030 + Dup-1	
VOCs		
8 RCRA + Hex + Tr. Chr + Copper		

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4 Ambers 1L
2 Ambers 120ml
3 VIALS
1 HNO3
1 Unpreserved

Well Purging/Groundwater Sampling Report

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/19/18
Well ID: MW-203 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 8.70 Total Depth: 90.00' Screen Length: 10'
Sampling Method: LF- PERISTALTIC
Tube Intake Set at: 13.0' Depth to Water with Tube: 8.70' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3< 0.5	+/- 0.1	
1355	160	8.73	1.25	121	13.55	.175	8.29	6.95	
1400	155	8.73	0.75	118	13.74	.177	8.36	6.94	
1405	155	8.72	0.37	115	13.85	.177	8.57	6.92	

Sample(s) Collected	Time	Preservative
ETPH	1410	

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Project Name: Simsbury Ave Project #: 2180209 Date: 12/12/18
Well ID: MW-15 Well Diameter (in) 4 Casing Type: PVC
Depth to Water: 10.45 Total Depth: 14.30' Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 12.50' Depth to Water with Tube: 10.45' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
1120	160	10.47	0.45	119	10.15	.139	8.21	7.14	
1125	160	10.47	0.21	113	11.55	.108	8.43	7.11	
1130	155	10.47	0.10	111	10.89	.105	8.90	7.09	
1135	155	10.47	0.02	109	11.44	.108	8.90	7.09	
1140	155	10.47	0.02	108	11.16	.108	9.08	7.07	
1145	155	10.47	0.02	107	11.43	.108	8.95	7.07	

Sample(s) Collected	Time	Preservative
VOCs	1145	
PCBs		
ETPH		

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/19/18
Well ID: CCA-2 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 9.37 Total Depth: 19.95 Screen Length:
Sampling Method: LF - PERISTALTIC
Tube Intake Set at: 12.50' Depth to Water with Tube: 9.34' Sampled By: MVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/-3%	+/-3%	+/-10% OR 3<0.5	+/- 0.1	
1210	155	9.40	0.85	133	12.03	.587	5.96	6.13	
1215	155	9.40	0.02	136	12.09	.785	5.31	5.97	
1220	155	9.40	0.02	135	12.15	.811	5.46	5.91	
1225	155	9.40	0.02	134	12.14	.826	5.29	5.85	
1230	155	9.40	0.02	133	12.01	.832	5.28	5.87	

Sample(s) Collected	Time	Preservative
VOCs	1230	
PCBs		
ETPH		

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/20/18
Well ID: MW CCA-3 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 13.26' Total Depth: 17.29 Screen Length:
Sampling Method: CF-Peristaltic
Tube Intake Set at: 16.50' Depth to Water with Tube: 13.26 Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
950	155	13.45	27.2	245	10.23	.643	9.22	7.51	
955	155	13.53	8.65	216	10.38	.689	10.18	7.24	
1000	150	13.69	3.20	206	10.20	.704	1068	7.12	
1005	150	13.78	2.91	198	10.27	.720	10.85	7.03	
1010	150	13.86	2.50	193	10.35	.742	10.92	6.98	
1015	150	13.95	2.01	188	10.23	.757	10.93	6.93	
1020	150	14.01	1.85	185	10.41	.764	10.69	6.90	

Sample(s) Collected	Time	Preservative
ETPH + SVOCs (PCP)	1020	
RCRA 8		
Hex + Tri. Chromium + Copper		

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/20/18
Well ID: MW-AIR-1 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 10.20 Total Depth: 19.34 Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 13.00' Depth to Water with Tube: 10.20 Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/-3%	+/-3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1325	150	10.25	13.1	168	11.92	.103	8.85	6.93	
1330	150	10.25	8.65	152	11.98	.103	7.82	6.79	
1335	150	10.25	7.05	145	12.08	.103	7.27	6.72	
1340	150	10.25	5.12	141	12.11	.103	7.09	6.67	
1345	150	10.24	4.85	138	12.01	.103	7.12	6.65	
1350	150	10.24	4.70	136	12.07	.104	7.05	6.62	

Sample(s) Collected	Time	Preservative
SVOCs + PCP	1400	

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/20/18
Well ID: CCA-5 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 10.17 Total Depth: 19.17 Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 14.50' Depth to Water with Tube: 10.17' Sampled By: WVS
Tube Diameter: 0.25" Notes:

	mL\min	Ft	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3 < 5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3 < 0.5	+/- 0.1	
1240	150	10.27	1.35	140	11.57	.138	9.04	6.57	
1245	150	10.27	0.80	139	11.67	.141	8.94	6.55	
1250	150	10.27	0.25	137	11.55	.138	8.92	6.53	

Sample(s) Collected	Time	Preservative
VOCs	1300	
PCBs		
ETPH		

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Well Purging/Groundwater Sampling Report

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Project Name: Simsbury AWC Project #: 2180209 Date: 12/20/18
Well ID: MW-200 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 9.90 Total Depth: 18.00' Screen Length: 10'
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 13.00' Depth to Water with Tube: 9.90 Sampled By: WVS
Tube Diameter: 0.250" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
12.10	9.94/155	9.94	2.65	179	11.22	.165	9.80	6.95	
1215	155	9.94	1.10	164	11.37	.168	8.80	6.74	
1220	155	9.94	0.55	157	11.14	.166	8.44	6.64	
1225	155	9.94	0.10	151	11.13	.165	8.10	6.58	
1230	155	9.94	0.07	148	11.20	.165	7.96	6.56	

Sample(s) Collected	Time	Preservative
VOCs	1230	
PCBs		
ETPH		

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Well Purging/Groundwater Sampling Report

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Project Name: Simsbury NWC Project #: 2180209 Date: 12/20/18
Well ID: CCA-4 Well Diameter (in) 2 Casing Type: PVC
Depth to Water: 7.00 Total Depth: 19.0' Screen Length:
Sampling Method: LF-PERISTALTIC
Tube Intake Set at: 12.00' Depth to Water with Tube: 7.00' Sampled By: WS
Tube Diameter: 0.25" Notes:

	mL\min	Ft.	NTU's	mV	°C		mg\L	Units	
Time	Flow	DTW	Turb	ORP	Temp	SpC	DO	PH	Comments
Min	ml/min	+/- 0.02 .3	+/- 10% OR 3<5 NTU	+/- 10	+/- 3%	+/- 3%	+/- 10% OR 3<0.5	+/- 0.1	
1055	155	7.05	44.20	179	10.88	.105	11.42	7.44	
1100	155	7.05	28.7	155	12.01	.079	10.28	7.20	
1105	155	7.05	18.0	137	11.38	.071	9.63	7.01	
1110	155	7.05	7.46	136	10.95	.070	9.56	6.95	
1115	155	7.05	4.86	137	11.41	.071	9.34	6.93	
1120	155	7.05	2.98	134	11.23	.071	9.16	6.89	
1125	155	7.05	2.22	135	11.29	.071	9.32	6.86	

Sample(s) Collected	Time	Preservative
ETPH, SVOCs (DCP)	1130	
RCRA 8 Metals		
Tri+Hex CR + CU		

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