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Groundwater Sampling Report (December 2019 Sampling Event) ServAll Laundry Site Site #1-52-077 Work Assignment No. D007626-17.3

Final

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1.0 Introduction

AECOM Technical Services Northeast, Inc. (AECOM) has prepared this Groundwater Monitoring Report for the ServAll Laundry Site (Site) in Bay Shore, New York (Site No. 1-52-077). This work was performed for the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment D007626-17.3. Previous long-term monitoring was performed under Work Assignment D004445-14. As part of the long-term monitoring plan for the Site, groundwater samples are collected from selected monitoring wells once every five quarters. This groundwater monitoring report provides the results of the groundwater sampling data collected in December 2019.

To date, twelve sampling events have been conducted under AECOM's long-term monitoring work assignments:

- The first round of samples (Round 1) was collected in June 2006.
- An abbreviated round of groundwater sampling (Round 1A) was conducted in April 2007 to confirm the concentration of tetrachloroethene (PCE) detected in monitoring well MW-6A; samples were collected from monitoring wells MW-4, MW-5, MW-6A and MW-6B.
- The second full round of samples (Round 2) was collected in August 2007.
- The third full round of samples (Round 3) was collected in November 2008.
- The fourth round of samples (Round 4) was collected in February 2010.
- The fifth round of samples (Round 5) was collected in May 2011.
- The sixth round of samples (Round 6) was collected in August 2012.
- The seventh round of samples (Round 7) was collected in November 2013.
- The eighth round of samples (Round 8) was collected in March 2015.
- The ninth round of samples (Round 9) was collected in May 2016.
- The tenth round of samples (Round 10) was collected in September 2017.
- The eleventh round of samples (Round 11) was conducted in November 2018.
- The twelfth round of sampling (Round 12) was conducted in December 2019.

2.0 Background Information

2.1 Site Description

The Site is located at 8 Drayton Avenue in Bay Shore, Suffolk County, New York (Figure 1) in a mixed use industrial/residential area. The ServAll Laundry facility was located on a 20,000 square foot property. The ServAll Uniform Rental, Inc. operated as a commercial laundry from 1969 to 1972, and as dry cleaner/laundry from 1972 to 1984. During this time, unknown quantities of wash water overflow containing PCE and heavy metals were pumped to, and occasionally overflowed from, on-Site cesspools.

2.2 Site History

In 1978, the Suffolk County Department of Health Services (SCDHS) conducted an on-Site sampling of cesspools and storm drains. Results from some of the samples showed detections of tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, chloroform, methylbenzenes, and a number of Target Analyte List (TAL) metals. ServAll Uniform cleaned the on-Site storm drains and an unknown number of cesspools in 1981 removing sludge and contaminated water.

In 1983, SCDHS performed a groundwater investigation and identified a volatile organics plume southeast of the Site. The plume was found to extend 0.3 miles upgradient from the Suffolk County Water Authority (SCWA) Thomas Avenue Wellfield (located 1 mile south of the Site). The Thomas Avenue Wellfield is located off Thomas Avenue, near the Bay Shore Middle School and northwest of MW-11 (see Figure 2).

A State-funded remedial investigation/feasibility study (RI/FS) was completed at the Site, in which field work was completed from November 1990 through December 1991. The results of the investigation were documented in the final report dated January 1992 (E.C. Jordan Co.). The RI/ FS confirmed the presence of volatile organic compounds (VOCs) in groundwater, delineated the groundwater plume, and quantified on-Site contamination.

The plume is located in the Upper Glacial Aquifer, which consists of coarsely stratified, fine to medium sand with trace amounts of gravel, cobbles, coarse sand, and silt. The aquifer ranges in thickness from 120 feet at the Site to 86 feet 1.5 miles downgradient of the Site. Groundwater flows to the southeast towards Penataquit Creek at about 910 feet per year (ft/year). The RI concluded that the plume appeared to be moving at approximately 443 to 484 ft/year from 1974 to 1988, and 355 ft/year since 1988 (E.C. Jordan, October 1991).

A Record of Decision (ROD) was issued by the NYSDEC for the Site on March 31, 1992. The remedy presented in the ROD was in-situ source soil treatment/source area groundwater extraction. The

ROD stated that treatment of the entire plume emanating from the Site was not found to be practical, and therefore, the selected remedy would not satisfy the statutory preference for complete treatment as a principal element. Determination of the ultimate fate of the untreated portion of the plume was determined by the ROD directed discharge study (ABB Environmental Services, December 1995), which was conducted on the leading edge (hydraulically downgradient) of the plume.

The ROD specified source removal work consisting of a soil vapor extraction (SVE) system. The SVE system was in operation from the Spring of 1996 to the Spring of 1998. The groundwater pump and treat remedial system operated from March 1998 through November 2001. The operation of the remedial system was terminated in November 2001 when NYSDEC determined further operations were not necessary as stated in a letter dated October 18, 2001 from NYSDEC to Earth Tech.

2.3 Deviations from the Site Management Plan

There were no deviations from the Site Management Plan (SMP, AECOM, 2015) during this round of sampling.

The field sampling crew misidentified MW-6A and MW-6B. This error was noted in the laboratory data where MW-6A (shallow well) has historically had much higher concentrations of PCE compared to MW-6B (deep well). The discrepancy was confirmed in the purge forms where the measured depth to bottom was recorded. Lab data for MW-6A and MW-6B have been switched to the correct well.

3.0 Field Activities

The twelfth sampling event occurred December 16 through 19, 2019. Sampling was conducted in accordance with the SMP prepared by AECOM, dated July 2015 (revision 1). All field work was performed in Level D personnel protection. Sampling activities were conducted by Yu & Associates, a subconsultant of AECOM.

3.1 Water Level Survey

Prior to the start of the December 2019 groundwater sampling event, water table measurements were collected from the 15 monitoring wells included in the sampling event. A summary of well data is included on Table 1. Water level measurements were recorded on the NYSDEC Monitoring Well Field Inspection Forms in Appendix A. A summary of groundwater elevations in selected monitoring wells is presented in Table 2. A groundwater contour map was prepared using data from the December 2019 sampling event and is presented in Figure 3. As shown on the map, groundwater flow is to the south-southeast. A groundwater hydrograph is shown on Figure 4. The hydraulic gradient was calculated for the Site. North of the Southern State Parkway (near the Site), the gradient is approximately 0.0020. At the southern end of the study area (near the Sunrise Highway), the gradient increases to approximately 0.0031. The gradient across the entire study area is 0.0026. These numbers represent fairly shallow gradients.

E.C Jordan (RI/FS Report, 1992) calculated the flow rate at the Site at 2.5 ft/day or 910 ft/year using the following equation:

$$flow\ rate\ = \frac{\mathrm{K\ (hydaulic\ gradient)}}{n}$$

Where K is the hydraulic conductivity (9.0 x 10^{-2} cm/sec or 255 ft/day and *n* = porosity, 0.30). E.C. Jordan measured the hydraulic gradient at 0.003, yielding a flow rate of 2.5 ft/day or 910 ft/year.

Using the same values for K and *n*, the estimated flow rate for the Site in December 2019 was:

Hydraulic gradient of 0.002 (northern area) = 1.7 ft/day or 620.5 ft/year

Hydraulic gradient of 0.0031 (southern) = 2.635 ft/day or 962 ft/year

Hydraulic gradient of 0.0026 (study area) = 2.21 ft/day or 807 ft/year

3.2 December 2019 Groundwater Sampling Event

Fourteen monitoring wells were identified for long-term monitoring at the Site. The selected wells included MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A, MW-6B, MW-11, MW-12, MW-13, MW-14,

MW-16, MW-23S and MW-23D. Each location was photo-documented and a hand-held GPS unit was used to record the coordinates. MW-1 was also included in this sampling round.

In accordance with the SMP, the monitoring wells were purged and sampled using low flow sampling techniques. A QED bladder pump with Teflon discharge tubing was used to purge each monitoring well. The flow rate was typically set between 300 and 500 milliliters per minute. Measurements of pH, specific conductance, temperature, oxidation reduction potential, and turbidity were recorded on the Well Sampling Forms during purging at five minute intervals. Well Sampling Forms are provided in Appendix B. A NYSDEC Monitoring Well Field Inspection Log was also completed for each well sampled and is included in Appendix A. The sample was carefully poured into laboratory supplied containers and placed in an ice-filled cooler. The samples were then transported to Hampton-Clarke Veritech via their courier. Proper chain-of-custody procedures and requirements were maintained throughout the sampling event in accordance with the SMP.

3.3 Site Inspection

In accordance with the SMP, the Site was inspected the week of December 16, 2019 as part of the 5-quarterly sampling event. The Site inspection form is included in Appendix C. The Site is in general disrepair. There is evidence of unauthorized entry into the Site building. The padlock on the side door of the building is missing. The rollup door on the front of the building appears secure. The tenants next door reported observing people entering the ServAll building. Vegetation growth in the back of the building is overgrown and the fence along the back property line is damaged.

4.0 Sampling Results

Groundwater samples were analyzed by Hampton-Clarke Veritech of Fairfield, New Jersey. Samples were analyzed for VOCs using SW-846 Method 8260C. Data packages consisted of a New York State Analytical Services Protocol (NYS ASP) Category A deliverable. As this is a long-term monitoring project, the data were not validated. An AECOM chemist provided a limited review of the data packages for completeness and readily apparent anomalies (see Section 4.2, below). The laboratory Data Summary Packages are in Appendix D. As noted in Section 2.3, the laboratory data for MW-6A and MW-6B have been switched on the tables and figures based on the recorded depth to bottom on the NYSDEC Monitoring Well Field Inspection Logs.

A summary of the VOC exceedances is presented on Figure 5. The sampling results are described below in Sections 4.1 and 4.2.

4.1 Volatile Organic Compounds

VOC data for the twelve long-term sampling events are summarized in Table 3. VOCs exceedances are shown on Figure 5. During the twelve sampling events conducted to date, 17 target compound list VOCs have been detected in the long-term monitoring wells. Of these 17 compounds, only nine have equaled or exceeded their Class GA criterion (vinyl chloride, acetone, benzene, methyl tert-butyl ether [MTBE], cis-1,2-dichloroethene [DCE], 1,1,1-trichloroethane, TCE, PCE, and toluene). Of these nine compounds, only five, MTBE, cis-1,2- DCE, TCE and PCE, have been detected three or more times in any one monitoring well. cis-1,2- DCE, TCE and PCE, as well as 1,1-DCE, 1,1-dichloroethane [DCA] and vinyl chloride, are listed as compounds of concern (COCs) in the ROD (NYSDEC, 1992). MTBE is not a COC. Summaries of detections for these three compounds are presented in Figure 6 (PCE), Figure 7 (TCE) and Figure 8 (cis-1,2-DCE). On each of these three figures, monitoring wells were selected based on the presence of the COC at or above its criterion. As shown on Figure 6, PCE has been detected in nine monitoring wells at or above the 5 microgram per liter (µg/L) criterion. TCE concentrations have only exceeded the 5 µg/L criterion in five monitoring wells as shown on Figure 7. Cis-1,2-DCE concentrations have only exceeded the 5 µg/L criterion in six monitoring wells as shown on Figure 8. 1,1-DCE and 1,1-DCA have not been detected above the criterion in any monitoring well during the long-term sampling (2006 through 2019). Vinyl chloride was detected above its criterion (2 µg/L) twice during the twelve rounds of sampling, in Round 6 at MW-16 at an estimated concentration of 2.1 µg/L, and in Round 10 at MW-11 at a concentration of 2.5 µg/L.

4.1.1 Upgradient Monitoring Wells

Three monitoring wells, MW-2, MW-3A and MW-3B, are located upgradient of the Site along Drayton Avenue as shown on Figure 2.

Monitoring well MW-2 was not located until the November 2008 sampling event. Benzene was detected above the Class GA criterion of 1 µg/L in monitoring well MW-2 at an estimated concentration of 1.7 µg/L during the November 2008 sampling event. Toluene was also detected at an estimated concentration of 1.4 µg/L (below the Class GA criterion of 5 µg/L). No VOCs were detected during the February 2010 sampling event. PCE was detected at an estimate concentration of 2.1 µg/L during the May 2011 sampling event. No VOCs were detected during the August 2012 or November 2013 sampling events. PCE was detected below the criterion during the March 2015 sampling event. An obstruction in the well prevented the field team from collecting a sample during the May 2016 sampling event. As noted above in Section 3, MW-2 could not be located during the September 2017 and November 2018 sampling events as the area around the well location had been disturbed which prevented the field team from collecting a sample. No VOCs were detected during this sampling event.

VOCs were not detected in monitoring well MW-3A during any of the first nine long-term monitoring events with one exception. During the August 2012 sampling event, chloroform was detected at an estimated concentration of 0.53 µg/L (Class GA criterion of 7 µg/L). During the September 2017 sampling event, TCE and PCE were detected at concentrations below the Class GA criterion of 5 µg/L. No VOCs were detected during the November 2018 or December 2019 sampling events.

MW-3B was not located until the November 2008 Round 3 sampling event. VOCs were not detected in monitoring wells MW-3B during any of the nine long-term monitoring sampling events conducted at the ServAll Site between 2008 and 2018. Acetone was detected at a concentration of 66 µg/L (Class GA criterion of 50 µg/L) in the December 2019 event; no other VOCs were detected.

4.1.2 Source Area Monitoring Wells

Five monitoring wells are located around the ServAll Laundry building. Monitoring well MW-1 is located on the ServAll property. Four monitoring wells, MW-4, MW-5, MW-6A and MW-6B, are located immediately south of the Site along Frederick Avenue. Well locations are shown on Figure 2.

Monitoring Well MW-1 was located during the fourth sampling event and was included in this sampling round. No VOCs were detected during this sampling event. MW-1 was not sampled during May 2011 sampling event. TCE was detected at a concentration of 3.8 µg/L (Class GA Criterion of 5 µg/L during this round. Historically, PCE has been detected above the criterion in five of eight sampling events conducted at this location with concentrations ranging from 5.6 µg/L to 50 µg/L. TCE, cis-1,2-DCE, and total xylenes have also been detected at this location but at concentrations below their respective Class GA criteria.

No VOCs have been detected in MW-4 during sampling rounds 1 through 12. The well was not sampled during Round 8 as the field crew mistakenly identified PZ-4 as MW-4. PZ-4 has a damaged well lid and is filled with soil.

MW-5 could not be sampled during Round 12 as there was insufficient water in the well for the pump to operate properly; similar to the situation in Rounds 7, 9, 10 and 11. Estimated concentrations of cis-1,2-DCE (3 µg/L and 2 µg/L) were detected during the June 2006 and April 2007 sampling events (Round 1 and 1A) but have not been detected since. PCE was detected at an estimated concentration of 2 µg/L only during the August 2007 sampling event (less than the Class GA criterion of 5 µg/L). Acetone was detected at a concentration of 170 µg/L (exceeding the Class GA criterion of 50 µg/L) only during the November 2008 sampling event. 2-Butanone was detected only during the November 2008 sampling event at an estimated concentration of 38 µg/L (less than the Class GA criterion of 50 µg/L). During the Round 3 event in November 2008, toluene was detected at a concentration of 1,200 µg/L and was detected again during the February 2010 sampling event at a concentration of 230 µg/L (Class GA criterion of 5 µg/L) but was not detected in May 2011, August 2012 or March 2015.

PCE was detected in monitoring well MW-6A during this sampling event at a concentration of 2.6 µg/L, below the Class GA criteria of 5 µg/L. PCE has been detected in three previous events, Rounds 5, 10 and 11 at concentrations ranging from 1.2 µg/L to 15 µg/L, two of which exceeded the Class GA criterion. TCE was detected during rounds 9, 10 and 11 at concentrations ranging from 1.1 µg/L to 22 µg/L, only one of which exceeded the Class GA Criterion of 5 µg/L. During the November 2013, March 2015, and May 2016 sampling events, chloroform was detected at concentrations of 5.7 µg/L, 2.8 µg/L, and 1.8 µg/L, respectively (Class GA criterion of 7 µg/L).

Three VOCs were detected in monitoring well MW-6B above the Class GA criteria. Cis-1,2-DCE was detected above the Class GA criterion of 5 µg/L during 12 of 13 sampling events (includes the April 2007 confirmation round) at concentrations ranging from 44 µg/L to 210 µg/L. TCE was detected above the Class GA criterion of 5 µg/L during 12 of 13 sampling events (including the April 2007 confirmation round) at concentrations ranging from 7.3 µg/L to 85 µg/L. PCE was detected above the Class GA criterion of 5 µg/L during all 13 sampling events (includes the April 2007 confirmation round) at concentrations ranging from 23 µg/L to 2,000 µg/L.

4.1.3 Downgradient Monitoring Wells

Five monitoring wells are located downgradient of the Site. Wells MW-12, MW-13 and MW-14 are located along the Southern State Parkway, approximately 3,000 ft south of the Site. Monitoring well MW-11 is located in the Bay Shore Middle School athletic fields. Monitoring well MW-16 is located on Abrew Street, south of the Middle School. Well locations are shown on Figure 2.

Historically, three VOCs have been detected above the Class GA criterion in monitoring well MW-12. PCE was detected during all twelve sampling events (MW-12 could not be located during the September 2017 event) and eight samples exceeded the criterion; concentrations ranged from an estimated 0.8 µg/L to 60 µg/L. 1,2-Dichlorobenzene was detected at a concentration of 9 µg/L (Class GA criterion of 4.7 µg/L) during the June 2006 sampling event only. cis-1,2-DCE was detected in four of eleven sampling events but only exceeded the Class GA criterion of 5 µg/L during the August 2012

sampling event. Several compounds including methyl-tert-butyl-ether (MTBE), TCE and chlorobenzene, have been sporadically detected in MW-12 at concentrations below their respective Class GA criteria.

There were no detections noted at MW-13 during the Round 12 sampling event. Historically, the only VOC exceedance at this location was during Round 1 (June 2006) where PCE was detected at a concentration of 5 µg/L during the June 2006 sampling event. PCE was also detected at an estimated concentration of 1 µg/L during the November 2008 and August 2012 sampling events (Class GA criterion of 5 µg/L), and 1.3 µg/L during the September 2017 sampling event. Several compounds, including acetone, MTBE, chloroform, and TCE, have been sporadically detected in MW-13 at concentrations below their respective Class GA criteria.

No VOCs were detected above the Class GA criteria in MW-14 during any of the twelve sampling events. PCE was detected at an estimated concentration of 2 µg/L during the August 2007 sampling event. MTBE was detected during six sampling events at concentrations ranging from an estimated 0.81 µg/L to 8 µg/L (Class GA criterion of 10 µg/L).

Monitoring well MW-11 was included in the first sampling event (June 2006). It could not be sampled during the second event (August 2008) due to an obstruction in the well that prevented the pump from being lowered into the water column. The obstruction was cleared from the well during Round 3 (November 2008) which allowed for the collection of a sample. The well was vandalized sometime after the Round 3 event and was not sampled during the next five sampling events (February 2010 through March 2015). The well was properly abandoned in August 2015 and a replacement well was installed. Sampling resumed at MW-11 during Round 9 (May 2016). Four VOCs were detected in MW-11 during the Round 12 sampling event, while only PCE and cis-1,2-DCE exceeded the criteria. PCE has been detected above the 5 µg/L criterion during all six sampling events at MW-11 at concentrations ranging from 16 µg/L to 60 µg/L. cis-1,2-DCE has been detected above the 5 µg/L criterion in four of six sampling events at concentrations ranging from 3 µg/L to 13 µg/L. Vinyl chloride was detected twice during the five sampling events, exceeding the 2 µg/L criterion during Round 10 at a concentration of 2.5 µg/L. Historically, toluene exceeded the 5 µg/L criterion during the Round 3 sampling event at a concentration of 63 µg/L; it has not been detected in any other sampling event. MTBE and TCE have been detected in five of six sampling events but the concentrations were all were below their respective criteria. Chlorobenzene was detected during one sampling event at a concentration below its criterion.

Four VOCs were detected at MW-16 during the Round 12 sampling event; only PCE exceeded the criteria. Historically, PCE has been detected during 11 of 12 sampling events at concentrations ranging from an estimate 2 µg/L to 100 µg/L, nine of which exceeded the Class GA criterion of 5 µg/L. Cis-1,2-DCE was detected in ten of twelve rounds at concentrations ranging from 1.1 µg/L to 20 µg/L, seven of which exceeded the 5 µg/L criterion. MTBE equaled or exceeded the criterion during Rounds 9, 10 and 11 at concentrations of 13 µg/L, 11 µg/L and 10 µg/L (Class GA criterion is

10 µg/L). MTBE was also detected in four other rounds but at concentrations below the criterion. Vinyl chloride was detected during three previous sampling events, one of which exceeded the Class GA Criterion of 2 µg/L. TCE was detected in nine of twelve sampling events at concentrations ranging from an estimated 1.1 µg/L to 16 µg/L, four of which exceeded the Class GA criterion of 5 µg/L. 1,1,1-Trichloroethane (1,1,1-TCA) was detected in three of twelve sampling events at concentrations ranging from an estimated 1.7 µg/L to 5 µg/L, with one sample equaling the Class GA criterion of 5 µg/L. Two other VOCs, 1,1-dichloroethene and acetone, have been sporadically detected in samples from MW-16 but at concentrations below their Class GA criteria.

4.1.4 Sentinel Monitoring Wells

Two monitoring wells, MW-23S and MW-23D, are located south of the Sunrise Highway on Perkal Street, approximately 7,600 ft south of the Site.

PCE was detected above the Class GA criterion of 5 µg/L during all twelve sampling events at MW-23S at concentrations ranging from 390 µg/L to 5,200 µg/L. Cis-1,2-DCE has been detected in 11 of 12 sampling events; nine of the twelve samples exceeded the Class GA criterion of 5 µg/L at concentrations ranging from 9.8 µg/L to 360 µg/L. TCE was detected above the Class GA criterion of 5 µg/L during nine of eleven sampling events at concentrations ranging from 5.4 µg/L to 220 µg/L. MTBE has been detected in seven sampling events but at concentrations equal to, or below, the 10 µg/L criterion. Five other VOCs, including 1,1-DCE, trans-1,2-DCE, 1,1-dichloroethane, and 1,1,1-TCA, have been sporadically detected in samples from MW-23S at concentrations below their respective Class GA criterion.

Only PCE was detected above the Class GA criteria during Round 12 at MW-23D. Historically, PCE has been detected during all twelve sampling events at concentrations ranging from an estimated 4 µg/L to 280 µg/L, eleven of which exceeded the 5 µg/L criterion. Cis-1,2-DCE was detected during the last eight sampling events at concentrations ranging from an estimated 3 µg/L to 14 µg/L, six of which exceeded the 5 µg/L criterion. TCE was detected during the last eight sampling events at concentrations ranging from an estimated 1.2 µg/L to 9.8 µg/L, five of which were at or above the 5 µg/L criterion. MTBE was detected in MW-23D at concentrations below the Class GA criteria during six of the last seven rounds.

4.2 Round 12 (December 2019) Data Quality Review

In accordance with the project plans, data generated for this investigation were not subject to formal validation. However, AECOM's quality assurance officer (QAO) reviewed the data for reasonableness and the presence of any anomalies, including issues identified by the laboratory in the case narrative, and other items noted in review of shipping and handling documentation, inconsistencies with previous data, and review of the laboratory quality assurance (QA) forms.

Volatiles (EPA Method 8260C)

Samples from 15 monitoring wells were prepared by SW-846 method 5030C and analyzed for target compound list (TCL) VOCs by SW-846 method 8260C and reported in one sample delivery group (SDG), AD14811. One trip blank was collected and submitted for VOC analysis. One field rinsate blank sample was collected. Sample MW-13 was designated as the quality control (QC) sample (matrix spike and matrix spike duplicate [MS/MSD] analysis), and field duplicate for the Round 12 sampling event.

Samples were collected on December 16, 17, 18 and 19, 2019. Samples were received in good condition at the lab on December 20, 2019. The samples were properly cooled (temperature between 0° and 6° C).

The laboratory did not flag any of the analytical results. Laboratory QC limits for the organic analysis were met for initial and continuing calibrations, and method blanks. No target or non-target compounds were detected in the trip blank or equipment blank.

SDG AD14811 included three batches; batch M8S83265 covered MW-2, 13, 13 MS, 13 MSD, 3B, 4, 6A, 6B, 1, and the equipment blank. Batch M8S83271 covered MW-16, 23S, 23D, 63, 14, 12, 11, 3A., and batch M8S83286 covered the reanalysis of MW-23S.

Recoveries were outside of criteria for the MW-13 MS/MSD in batch M8S8326 for camphene and 2-chloroethylvinylether although all target compound recoveries were within limits. It may be noted that 2-chloroethylvinylether had 0% recovery in the MS/MSD since the acid used in preserving the samples readily decomposes this compound, therefore all results for this compound will be non-detect.

The MS/MSD in batch M8S83271 also contained a similar number of exceedances however, that batch used a sample from an outside source.

The relative percent difference (RPD) for the MS/MSD results were all within limits except for two compounds: camphor and chlorodifluoromethane.

The laboratory control sample (LCS) (referred to as the Method Blank Spike by this laboratory) exceeded limits in each batch (1, 2, and 7 failures), although not for any site related contaminants of concern).

Due to high concentrations (exceeding the calibration range) of one target compound (PCE), one sample (MW-6A) required dilution at a dilution factor of 5. [Note the sample MW-23S was initially run at a high dilution (100) and was rerun (missing the holding time) with a dilution factor of 1.

As shown on Table 4, the field duplicate MW-13 was non-detect for all compounds in the initial sample and its duplicate. Therefore, the RPD values were all within limits.

5.0 Summary and Recommendations for Future Site Remediation Activities

5.1 Summary of VOCs

Three monitoring wells are located upgradient of the Site: MW-2, MW-3A and MW-3B (Figure 2). Monitoring well MW-2 was first sampled during the November 2008 event and a slight exceedance of benzene was noted; there were no further exceedances noted in the next six sampling events. MW-2 was not sampled during Round 9 due to an obstruction in the well and could not be located during rounds 10 and 11. No VOCs exceedances have been reported at MW-3A. PCE and TCE were detected during Round 10 at concentrations below the Class GA criteria. Chloroform was detected during Round 6 at a concentration below the Class GA criterion. No VOCs have been detected in MW-3B during any of the ten sampling rounds with the exception of acetone during Round 12. MW-3B was first sampled during the November 2008 Round 3 sampling event.

Monitoring well MW-1 is the only on-Site well. It has been sampled eight times during the twelve long-term sampling events. PCE was detected at a concentration below the criterion in MW-1 during the December 2019 sampling event. PCE has exceeded the Class GA criterion of 5 µg/L in five of the eight events at concentrations ranging from 5.6 µg/L to 50 µg/L. Concentrations of cis-1,2-DCE, TCE and total xylenes have been noted but at concentrations below their respective Class GA criteria.

Four monitoring wells are located immediately downgradient of the Site: MW-4, MW-5, MW-6A and MW-6B. No VOCs have been noted in MW-4. No exceedances (other than toluene and acetone which were attributed to laboratory artifacts) have been noted in MW-5 during eight rounds of sampling (MW-5 was not sampled during rounds 7, 9, 10, 11 and 12 as there was insufficient water to operate the pump). Prior to Round 10, there were no exceedances of VOCs in MW-6A (deep monitoring well). During Rounds 10 and 11, PCE was detected at concentrations above the Class GA criteria (11 µg/L and 15 µg/L, respectively) and was below the criterion during Round 12 (2.6 µg/L). TCE was detected above the criterion in Round 10 (22 µg/L), below the criterion in Round 11 (2.7 µg/L), and not detected during Round 12.

Exceedances of PCE, TCE and cis-1,2-dichloroethene have been noted at shallow monitoring well MW-6B during the eleven rounds of long-term monitoring (plus the confirmation round in April 2007). A summary of historic PCE concentration data for selected monitoring wells is shown on Table 5. The data presented on this table is a compilation of data available for review during the preparation of this report. A graph of the historic PCE concentrations is also illustrated on Figure 9. Prior to the implementation of remedial measures, the PCE concentration at MW-6B was as high as 14,000 µg/L. As noted in Section 2, the groundwater pump and treat system began operation in 1998 and by July 2000, the PCE concentration had decreased to 160 µg/L. The treatment system was shut down in

2001. PCE concentrations rebounded during the June 2006 event (1,100 µg/L), then decreased by more than half for 2007 and 2008. The concentration then rebounded to 2,000 µg/L in February 2010, then dropped back to 23 µg/L by August 2012 and spiked to 1,500 µg/L in the November 2013 event and was at 1,200 µg/L in the March 2015 sampling event. The concentration had decreased significantly during Round 9 to 330 µg/L and remained fairly constant during Rounds 10 and 11 (340 µg/L and 470 µg/L, respectively). The concentration increased significantly during Round 12 to 1,200 µg/L.

Three of the monitoring wells sampled as part of the long-term monitoring program are located approximately halfway between the Site and the Bay Shore Middle School (MW-12, MW-13 and MW-14) along the Southern State Parkway. PCE was detected above the criterion in MW-12 in each event between 2006 and 2010 at concentrations ranging from 10 µg/L to 60 µg/L but was detected below the criterion (at 1.6 µg/L, 0.80 µg/L and 2.4 µg/L) in the May 2011, August 2012 and November 2013 sampling events. The concentrations in the March 2015 event (10 µg/L), May 2016 (13 µg/L), November 2018 (11 µg/L) and December 2019 (5.1 µg/L) all exceeded the criterion, extending the plume to the south as shown in Figures 10F, 10G, 10H and 10I; MW-12 could not be located during the September 2017 sampling event. PCE was detected at a concentration equal to the criterion in MW-13 during the June 2006 sampling event; it has been below the criterion or not detected during the last eleven sampling rounds. PCE has not been detected above the criterion in monitoring wells MW-14 during the twelve sampling events.

Of the two monitoring wells near the Bay Shore Middle School, the PCE concentrations at MW-11 were 56 µg/L and 60 µg/L for the June 2006 and November 2008 sampling events. An obstruction prevented the collection of a sample in August 2007 through March 2015. The well was replaced in August 2015. The four samples collected between May 2016 and December 2019 ranged in concentration from 16 µg/L to 29 µg/L. At MW-16, the other well near the school, the concentrations of VOCs have all decreased significantly since the August 2012 sampling event. The concentrations of vinyl chloride, TCE and PCE all exceeded the criterion in August 2012; however, the concentrations of these four VOCs all dropped to below their respective criteria in November 2013 and were not detected in March 2015. The concentrations of PCE and cis-1,2-DCE rose during the May 2016 event and both now have exceeded the criterion for the last four sampling events. A bar chart of the PCE concentrations at MW-11 and MW-16 for the twelve long-term sampling events is shown on Figure 6. A bar chart of the cis-1,2-DCE concentrations at MW-11 and MW-16 for the twelve long-term sampling events is shown on Figure 8. MTBE has equaled or exceeded the criterion during three of the last four sampling events at concentrations ranging from 4.1 µg/L to 13 µg/L at MW-16.

The two most downgradient monitoring wells, MW-23S and MW-23D, are located south of the Sunrise Highway (Figure 2). As shown on Figure 9, PCE concentrations in MW-23S spiked in June 2006 (5,200 µg/L), then decreased by an order of magnitude by November 2008 (500 µg/L). PCE concentrations increased over the next four sampling rounds peaking at 2,500 µg/L in November 2013. The concentration decreased to 390 µg/L during the March 2015 event then rose significantly

to 2,300 µg/L during the May 2016 event. The concentrations of PCE have dropped during the last three sampling events at MW-23S. Concentrations of TCE and cis-1,2-DCE have exceeded the criterion in nine of 12 sampling events as shown on Figures 7 and 8. PCE concentrations in MW-23D have been generally increasing since 2004 (0.6 µg/L) through November 2018 (240 µg/L); there was a significant decrease in December 2019 (70 µg/L).

Isoconcentration maps were prepared for PCE and are shown on Figure 10A (June 2006 data), Figure 10B (November 2008 data), Figure 10C (May 2011 data), Figure 10D (August 2012 data), Figure 10E (November 2013 data), Figure 10F (March 2015), Figure 10G (May 2016), Figure 10H (September 2017), 10I (November 2018) and 10J (December 2019). As shown on these maps, the PCE plume appears to have separated into two non-contiguous plumes starting with the May 2011 sampling event and continuing through the March 2015 sampling event: one near the Site and a second centered near MW-23S (immediately south of the Sunrise Highway). The two plumes merge starting with the May 2016 event. PCE concentrations in wells near the Site appear to be increasing at MW-6B. Further downgradient, near the Bay Shore High School, the PCE concentrations appear to be decreasing during the latest sampling event at MW-16 and are significantly less at MW-23D.

TCE has been detected above the Class GA criterion of 5 µg/L in five monitoring wells: MW-6A, MW-6B, MW-16, MW-23S and MW-23D. A graph of the TCE concentrations for these five wells is shown on Figure 7.

Cis-1,2-DCE has been detected above the Class GA criterion of 5 µg/L in six monitoring wells, MW-6B, MW-11, MW-12, MW-16, MW-23S and MW-23D. As shown on Figure 8, there does not appear to be any discernible trend in concentration.

5.2 Future Recommendations

Future recommendations for the ServAll Laundry Site are continued monitoring of selected monitoring wells for VOCs.

Monitoring well MW-5 could not be sampled during this round as there was insufficient water to operate the pump. This was also the case during the January 2013, May 2016, and September 2017 sampling events.

Monitoring well MW-1 should be included in future long-term sampling events.

The next round of groundwater sampling is scheduled for May 2021.

Tables

TABLE 1
SERVALL LAUNDRY SITE (1-52-077)
MONITORING WELL DATA

Well ID	NY State Plane Coordinates[1]		Well Screen Depth (ft bgs)	Top of Riser Elevation[1]	Comments
	Northing	Easting			
MW-1	193,973.43	2,204,502.95	76.5 - 86.5	64.79	Behind Servall Building
MW-2	194,178.63	2,204,535.21	71.8 - 81.8	64.47	Well could not be located prior to the November 2008 event
MW-3A	194,188.77	2,204,423.40	110.0 - 120.0	64.37	Well could not be located prior to the November 2008 event
MW-3B	194,189.80	2,204,411.51	78.0 - 88.0	64.54	West of the building on the north side of Drayton Avenue
MW-4	193,713.55	2,204,672.09	74.0 - 84.0	63.11	On north side of Frederick Avenue
MW-5	193,738.12	2,204,418.09	74.0 - 84.0	64.06	On north side of Frederick Avenue
MW-6A	193,723.62	2,204,573.71	53.0 - 63.0	63.87	On north side of Frederick Avenue
MW-6B	193,722.77	2,204,566.29	25.0 - 35.0	63.83	On north side of Frederick Avenue
MW-7	193,247.00	2,204,841.62	102.0 - 112.0	60.79	Well appears to be missing
MW-8	192,291.45	2,205,304.27	94.0 - 104.0	54.6	Well appears to be missing
MW-9	189,214.07	2,206,683.24	78.0 - 88.0	40.91	Well appears to have been paved over or removed
MW-10	188,924.35	2,207,905.95	78.7 - 88.7	40.22	Well appears to be missing
MW-11	188,889.82	2,207,272.76	80.0 - 90.0	37.07	In grass on field at Bay Shore Middle School
MW-12	191,051.70	2,205,475.34	78.8 - 88.8	50.61	In woods along Southern State Parkway near light pole
MW-13	190,990.06	2,205,989.11	88.0 - 98.0	50.33	In woods along Southern State Parkway near light pole
MW-14	191,009.26	2,206,506.46	83.3 - 93.3	49.98	In woods along Southern State Parkway near light pole
MW-15	190,264.25	2,206,372.05	87.0 - 97.0	48.78	Well appears to be missing
MW-16	188,111.44	2,207,779.29	84.0 - 94.0	36.50	South side of Abrew Street in roadway
MW-23S	187,099.54	2,208,295.49	66.0 - 69.0	24.38	In roadway on Cul-de-sac on Perkel Street
MW-23D	187,101.72	2,208,276.17	83.0 - 88.0	24.45	In roadway on Cul-de-sac on Perkel Street

Bolded monitoring wells are severely damaged and require repairs to the road box

1 - Coordinates and elevations taken from E.C. Jordan RI/FS Report, January 1992 and ABB Plume Discharge Study, December 1995.

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-1	64.79	2/1/10	22.87	41.92	February 2010 sampling event
		5/9/11			not collected
		8/20/12	24.65	40.14	August 2012 sampling event
		11/11/13	26.42	38.37	November 2013 sampling event
		3/23/15	23.14	41.65	March 2015 sampling event
		5/9/16	25.31	39.48	May 2016 sampling event
		9/18/17	25.41	39.38	September 2017 sampling event
		11/8/18	25.80	38.99	November 2018 sampling event
		12/17/19	24.78	40.01	December 2019 samlping event
MW-2	64.47	6/6/06	--	--	could not locate
		8/20/07	--	--	could not locate
		11/11/08	23.82	40.65	November 2008 sampling event
		2/1/10	22.27	42.20	February 2010 sampling event
		5/9/11	23.19	41.28	May 2011 sampling event
		8/20/12	24.00	40.47	August 2012 sampling event
		11/11/13	25.72	38.75	November 2013 sampling event
		3/23/15	23.14	41.33	March 2015 sampling event
		5/9/16	24.76	39.71	May 2016 sampling event
		9/18/17			could not locate the well
		11/8/18			could not locate the well
		12/17/19	24.40	40.07	December 2019 samlping event
MW-3A (deep)	64.37	6/6/06	20.68	43.69	June 2006 sampling event
		8/20/07	22.00	42.37	August 2007 sampling event
		11/11/08	23.61	40.76	November 2008 sampling event
		2/1/10	22.07	42.30	February 2010 sampling event
		5/9/11	23.02	41.35	May 2011 sampling event
		8/20/12	23.81	40.56	August 2012 sampling event
		11/11/13	25.60	38.77	November 2013 sampling event
		3/23/15	22.75	41.62	March 2015 sampling event
		5/9/16	24.57	39.80	May 2016 sampling event
		9/21/17	25.96	38.41	September 2017 sampling event
		11/8/18	24.93	39.44	November 2018 sampling event
		12/19/19	24.10	40.27	December 2019 samlping event

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-3B	64.54	6/6/06	--	--	could not locate
(shallow)		8/20/07	--	--	could not locate
		11/11/08	23.81	40.73	November 2008 sampling event
		2/1/10	22.29	42.25	February 2010 sampling event
		5/9/11	23.20	41.34	May 2011 sampling event
		8/20/12	24.02	40.52	August 2012 sampling event
		11/11/13	25.80	38.74	Nov 2013 sampling event, <0.5 ft of water
		3/23/15	22.90	41.64	March 2015 sampling event
		5/9/16	24.78	39.76	May 2016 sampling event
		9/21/17	26.02	38.52	September 2017 sampling event
		11/5/18	24.69	39.85	November 2018 sampling event
		12/17/19	23.75	40.79	December 2019 samlping event
MW-4	63.11	6/16/06	20.34	42.77	June 2006 sampling event
		8/20/07	21.50	41.61	August 2007 sampling event
		11/11/08	23.35	39.76	November 2008 sampling event
		2/1/10	21.77	41.34	February 2010 sampling event
		5/9/11	22.57	40.54	May 2011 sampling event
		8/20/12	24.13	38.98	August 2012 sampling event
		11/11/13	25.21	37.90	November 2013 sampling event
		3/23/15	NA		well cap is missing
		5/9/16	24.16	38.95	May 2016 sampling event
		9/19/17	24.53	38.58	September 2017 sampling event
		11/5/18	24.75	38.36	November 2018 sampling event
		12/16/19	23.40	39.71	December 2019 samlping event
MW-5	64.06	6/15/06	20.98	43.08	June 2006 sampling event
		8/20/07	22.20	41.86	August 2007 sampling event
		11/11/08	23.99	40.07	November 2008 sampling event
		2/1/10	22.42	41.64	February 2010 sampling event
		5/9/11	23.29	40.77	May 2011 sampling event
		8/20/12	23.47	40.59	August 2012 sampling event
		11/11/13	25.94	38.12	November 2013 sampling event
		3/23/15	22.92	41.14	March 2015 sampling event
		5/9/16	24.03	40.03	May 2016 sampling event
		9/19/17	25.64	38.42	September 2017 sampling event
		11/5/18	25.08	38.98	November 2018 sampling event
		12/16/19	25.55	38.51	December 2019 samlping event

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-6A (deep)	63.87	6/15/06	20.93	42.94	June 2006 sampling event
		8/20/07	22.41	41.46	August 2007 sampling event
		11/11/08	24.01	39.86	November 2008 sampling event
		2/1/10	22.49	41.38	February 2010 sampling event
		5/9/11	23.28	40.59	May 2011 sampling event
		8/20/12	24.15	39.72	August 2012 sampling event
		11/11/13	25.87	38.00	November 2013 sampling event
		3/23/15	22.89	40.98	March 2015 sampling event
		5/9/16	24.78	39.09	May 2016 sampling event
		9/18/17	25.26	38.61	September 2017 sampling event
		11/5/18	25.48	38.39	November 2018 sampling event
		12/16/19	23.95	39.92	December 2019 samlping event
MW-6B (shallow)	63.83	6/15/06	20.89	42.94	June 2006 sampling event
		4/20/07	20.50	43.33	April 2007 confirmation sampling event
		8/20/07	22.16	41.67	August 2007 sampling event
		11/11/08	23.95	39.88	November 2008 sampling event
		2/1/10	22.36	41.47	February 2010 sampling event
		5/9/11	23.62	40.21	May 2011 sampling event
		8/20/12	24.17	39.66	August 2012 sampling event
		11/11/13	25.89	37.94	November 2013 sampling event
		3/23/15	22.82	41.01	March 2015 sampling event
		5/9/16	24.84	38.99	May 2016 sampling event
		9/18/17	25.05	38.78	September 2017 sampling event
		11/5/18	25.40	38.43	November 2018 sampling event
		12/16/19	24.11	39.72	December 2019 samlping event
MW-11	37.07	6/8/06	8.80	28.27	June 2006 sampling event
		8/20/07	6.57	30.50	August 2007 sampling event
		11/11/08	10.13	26.94	November 2008 sampling event
		2/1/10	9.13	27.94	February 2010 sampling event
		5/9/11	NA		vandalized, filled with debris
		8/20/12	NA		vandalized, filled with debris
		11/11/13	NA		vandalized, filled with debris
		3/23/15	NA		vandalized, filled with debris
		5/9/16	10.16	26.91	May 2016 sampling event
		9/21/17	11.02	26.05	September 2017 sampling event
		11/6/18	10.40	26.67	November 2018 sampling event
		12/19/19	9.10	27.97	December 2019 samlping event

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-12	50.61	6/15/06	14.15	36.46	June 2006 sampling event
		8/20/07	15.42	35.19	August 2007 sampling event
		11/11/08	16.74	33.87	November 2008 sampling event
		2/1/10	15.14	35.47	February 2010 sampling event
		5/9/11	15.60	35.01	May 2011 sampling event
		8/20/12	16.62	33.99	August 2012 sampling event
		11/11/13	18.41	32.20	November 2013 sampling event
		3/23/15	14.91	35.70	March 2015 sampling event
		5/9/16	17.02	33.59	May 2016 sampling event
		9/18/17			could not locate the well
		11/7/18	17.60	33.01	November 2018 sampling event
		12/18/19	16.30	34.31	December 2019 samlping event
MW-13	50.33	6/15/06	18.51	31.82	June 2006 sampling event
		8/20/07	15.87	34.46	August 2007 sampling event
		11/11/08	17.10	33.23	November 2008 sampling event
		2/1/10	15.54	34.79	February 2010 sampling event
		5/9/11	15.97	34.36	May 2011 sampling event
		8/20/12	16.93	33.40	August 2012 sampling event
		11/11/13	18.71	31.62	November 2013 sampling event
		3/23/15	15.20	35.13	March 2015 sampling event
		5/9/16	17.31	33.02	May 2016 sampling event
		9/20/17	17.56	32.77	September 2017 sampling event
		11/7/18	16.53	33.80	November 2018 sampling event
		12/18/19	16.65	33.68	December 2019 samlping event
MW-14	49.98	6/15/06	15.01	34.97	June 2006 sampling event
		8/20/07	16.26	33.72	August 2007 sampling event
		11/11/08	17.29	32.69	November 2008 sampling event
		2/1/10	15.84	34.14	February 2010 sampling event
		5/9/11	16.25	33.73	May 2011 sampling event
		8/20/12	17.14	32.84	August 2012 sampling event
		11/11/13	18.99	30.99	November 2013 sampling event
		3/23/15	15.41	34.57	March 2015 sampling event
		5/9/16	17.53	32.45	May 2016 sampling event
		9/20/17	18.26	31.72	September 2017 sampling event
		11/7/18	17.95	32.03	November 2018 sampling event
		12/18/19	16.75	33.23	December 2019 samlping event

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-16	36.50	6/15/06	10.52	25.98	June 2006 sampling event
		8/20/07	12.76	23.74	August 2007 sampling event
		11/11/08	12.35	24.15	November 2008 sampling event
		2/1/10	11.52	24.98	February 2010 sampling event
		5/9/11	11.68	24.82	May 2011 sampling event
		8/20/12	11.82	24.68	August 2012 sampling event
		11/11/13	13.35	23.15	November 2013 sampling event
		3/23/15	10.89	25.61	March 2015 sampling event
		5/9/16	12.24	24.26	May 2016 sampling event
		9/20/17	13.05	23.45	September 2017 sampling event
		11/7/18	12.22	24.28	November 2018 sampling event
		12/19/19	11.25	25.25	December 2019 samlping event
MW-23S (shallow)	24.38	6/8/06	5.25	19.13	June 2006 sampling event
		8/20/07	6.22	18.16	August 2007 sampling event
		11/11/08	6.09	18.29	November 2008 sampling event
		2/1/10	5.78	18.60	February 2010 sampling event
		5/9/11	5.62	18.76	May 2011 sampling event
		8/20/12	5.61	18.77	August 2012 sampling event
		11/11/13	6.60	17.78	November 2013 sampling event
		3/23/15	5.25	19.13	March 2015 sampling event
		5/9/16	5.85	18.53	May 2016 sampling event
		9/19/17	6.72	17.66	September 2017 sampling event
		11/6/18	5.70	18.68	November 2018 sampling event
		12/18/19	4.92	19.46	December 2019 samlping event
MW-23D (deep)	24.45	6/8/06	5.15	19.30	June 2006 sampling event
		8/20/07	6.14	18.31	August 2007 sampling event
		11/11/08	6.00	18.45	November 2008 sampling event
		2/1/10	5.62	18.83	February 2010 sampling event
		5/9/11	5.67	18.78	May 2011 sampling event
		8/20/12	5.56	18.89	August 2012 sampling event
		11/11/13	6.52	17.93	November 2013 sampling event
		3/23/15	5.36	19.09	March 2015 sampling event
		5/9/16	5.78	18.67	May 2016 sampling event
		9/19/17	6.62	17.83	September 2017 sampling event
		11/8/18	5.65	18.80	November 2018 sampling event
		12/18/19	4.95	19.50	December 2019 samlping event

All measurements and elevations are in feet, MSL.
All measurements were taken from the top of PVC casing.

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	Can't	Can't	SL-MW-2	SL-MW-2	SL-MW-2	SL-MW-2	SL-MW-2
Laboratory ID	Ground	Locate	Locate	G2115-14	J0196-06	K0834-09	L1786-11	AC75681-003
Sample Date	Water	6/6/06	8/21/07	11/14/08	2/4/10	5/11/11	08/22/12	11/12/13
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	NA	NA	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	NA	NA	ND	ND	ND	ND	ND
Acetone	50	NA	NA	ND	ND	ND	ND	ND
Benzene	1	NA	NA	***1.7 J***	ND	ND	ND	ND
2-Butanone	50	NA	NA	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NA	NA	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	NA	NA	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	NA	NA	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NA	NA	ND	ND	ND	ND	ND
Chloroform	7	NA	NA	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	NA	NA	ND	ND	ND	ND	ND
Trichloroethene	5	NA	NA	ND	ND	ND	ND	ND
Tetrachloroethene	5	NA	NA	ND	ND	2.1 J	ND	ND
Xylenes (Total)	5	NA	NA	ND	ND	ND	ND	ND
Toluene	5	NA	NA	1.4 J	ND	ND	ND	ND
Chlorobenzene	5	NA	NA	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	NA	NA	ND	ND	ND	ND	ND
Number of VOC TICs				1				
Total VOC TIC conc.				38 J				ND

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	SL-MW-2	SL-MW-2	SL-MW-2	SL-MW-2	SL-MW-2
Laboratory ID	Ground	AC83904-009				AD14811-004
Sample Date	Water	3/23/15	5/11/16	9/22/17	11/8/18	12/17/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	an	the well	the well	ND
1,1-Dichloroethene	5	ND	obstruction	could not	could not	ND
Acetone	50	ND	in the well	be located,	be located,	ND
Benzene	1	ND	prevented	the area was	the area was	ND
2-Butanone	50	ND	sampling	recently	recently	ND
trans-1,2-Dichloroethene	5	ND		repaved	repaved	ND
Methyl tert-butyl ether	10	ND				ND
1,1-Dichloroethane	5	ND				ND
cis-1,2-Dichloroethene	5	ND				ND
Chloroform	7	ND				ND
1,1,1-Trichloroethane	5	ND				ND
Trichloroethene	5	ND				ND
Tetrachloroethene	5	1.1				ND
Xylenes (Total)	5	ND				ND
Toluene	5	ND				ND
Chlorobenzene	5	ND				ND
1,2-Dichlorobenzene	4.7	ND				ND
Number of VOC TICs						
Total VOC TIC conc.		ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-3A	MW-3A	MW-3A	MW-3A	MW-3A	MW-3A
Sample ID	Class GA	SMW-3A	SMW-3A	SL-MW-3A	SL-MW-3A	SL-MW-3A	SL-MW-3A
Laboratory ID	Ground	E0773-18	F1174-02C	G2115-16	J0196-02	K0834-10	L1820-01
Sample Date	Water	6/6/06	8/21/07	11/14/08	2/3/10	5/11/11	08/27/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	0.53 J
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	1			
Total VOC TIC conc.		ND	ND	19 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-3A	MW-3A	MW-3A	MW-3A	MW-3A	MW-3A
Sample ID	Class GA	SL-MW-3A	SL-MW-3A	SL-MW-3A	SL-MW-3A	SL-MW-3A	SL-MW-3A
Laboratory ID	Ground	AC75711-005	AC83904-011	AC91322-010	AD00205-001	AD07645-006	AD14811-013
Sample Date	Water	11/12/13	3/23/15	5/11/16	9/22/17	11/8/18	12/19/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	2.6	ND	ND
Tetrachloroethene	5	ND	ND	ND	1.2	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B
Sample ID	Class GA	Can't	Can't	SL-MW-3B	SL-MW-3B	SL-MW-3B	SL-MW-3B
Laboratory ID	Ground	Locate	Locate	G2115-17	J0196-07	K0834-11	L1820-02
Sample Date	Water	6/6/06	8/21/07	11/14/08	2/4/10	5/11/11	08/27/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	NA	NA	ND	ND	ND	ND
1,1-Dichloroethene	5	NA	NA	ND	ND	ND	ND
Acetone	50	NA	NA	ND	ND	ND	ND
Benzene	1	NA	NA	ND	ND	ND	ND
2-Butanone	50	NA	NA	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NA	NA	ND	ND	ND	ND
Methyl tert-butyl ether	10	NA	NA	ND	ND	ND	ND
1,1-Dichloroethane	5	NA	NA	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NA	NA	ND	ND	ND	ND
Chloroform	7	NA	NA	ND	ND	ND	ND
1,1,1-Trichloroethane	5	NA	NA	ND	ND	ND	ND
Trichloroethene	5	NA	NA	ND	ND	ND	ND
Tetrachloroethene	5	NA	NA	ND	ND	ND	ND
Xylenes (Total)	5	NA	NA	ND	ND	ND	ND
Toluene	5	NA	NA	ND	ND	ND	ND
Chlorobenzene	5	NA	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	NA	NA	ND	ND	ND	ND
Number of VOC TICs				1			
Total VOC TIC conc.				19 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B
Sample ID	Class GA	SL-MW-3B	SL-MW-3B	SL-MW-3B	SL-MW-3B	SL-MW-3B	SL-MW-3B
Laboratory ID	Ground	AC75711-001	AC83904-013	AC91322-009	AD00205-002	AD07645-007	AD14811-014
Sample Date	Water	11/12/13	3/23/15	5/10/16	9/22/17	11/5/18	12/17/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	***66***
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
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ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID	Class GA				SL-MW-1		SL-MW-1	SL-MW-1
Laboratory ID	Ground				J0196-01		L1786-10	AC75681-001
Sample Date	Water	6/6/06	8/21/07	11/14/08	2/3/10	5/11/11	08/22/12	11/12/13
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	NA	NA	NA	ND	NA	ND	ND
1,1-Dichloroethene	5	NA	NA	NA	ND	NA	ND	ND
Acetone	50	NA	NA	NA	ND	NA	ND	ND
Benzene	1	NA	NA	NA	ND	NA	ND	ND
2-Butanone	50	NA	NA	NA	ND	NA	ND	ND
trans-1,2-Dichloroethene	5	NA	NA	NA	ND	NA	ND	ND
Methyl tert-butyl ether	10	NA	NA	NA	ND	NA	ND	ND
1,1-Dichloroethane	5	NA	NA	NA	ND	NA	ND	ND
cis-1,2-Dichloroethene	5	NA	NA	NA	2.3 J	NA	1.2 J	ND
Chloroform	7	NA	NA	NA	ND	NA	ND	ND
1,1,1-Trichloroethane	5	NA	NA	NA	ND	NA	ND	ND
Trichloroethene	5	NA	NA	NA	1.8 J	NA	0.81 J	ND
Tetrachloroethene	5	NA	NA	NA	***50.0***	NA	***18.0***	***5.6***
Xylenes (Total)	5	NA	NA	NA	1.1 J	NA	ND	ND
Toluene	5	NA	NA	NA	ND	NA	ND	ND
Chlorobenzene	5	NA	NA	NA	ND	NA	ND	ND
1,2-Dichlorobenzene	4.7	NA	NA	NA	ND	NA	ND	ND
Number of VOC TICs								
Total VOC TIC conc.								ND

Notes:
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ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID	Class GA	SL-MW-1	SL-MW-1	SL-MW-1	SL-MW-1	SL-MW-1
Laboratory ID	Ground	AC83904-001	AC91322-008	AD00205-003	AD07645-002	AD14811-018
Sample Date	Water	3/23/15	5/10/16	9/21/17	11/8/18	12/17/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	***14.0***	***15.0***	ND	ND	3.8
Xylenes (Total)	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND
Number of VOC TICs						
Total VOC TIC conc.		ND				

Notes:
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ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Sample ID	Class GA	SMW-4	SMW-4	SMW-4	SL-MW-4	SL-MW-4	SL-MW-4	SL-MW-4
Laboratory ID	Ground	E0832-10	F0495-02B	F1174-03C	G2115-09	J0196-08	K0834-12	L1820-07
Sample Date	Water	6/16/06	4/20/07	8/21/07	11/13/08	2/4/10	5/12/11	08/29/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	0	1			
Total VOC TIC conc.		ND	ND	ND	28 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Sample ID	Class GA	SL-MW-4	SL-MW-4	SL-MW-4	SL-MW-4	SL-MW-4	SL-MW-4
Laboratory ID	Ground	AC75711-014		AC91322-016	AD00135-001	AD07645-008	AD14811-015
Sample Date	Water	11/13/13	3/23/15	5/12/16	9/19/17	11/5/18	12/16/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	well cap	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	is missing	ND	ND	ND	ND
Acetone	50	ND	and the	ND	ND	ND	ND
Benzene	1	ND	well is	ND	ND	ND	ND
2-Butanone	50	ND	filled with	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	soil	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND		ND	ND	ND	ND
1,1-Dichloroethane	5	ND		ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND		ND	ND	ND	ND
Chloroform	7	ND		ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND		ND	ND	ND	ND
Trichloroethene	5	ND		ND	ND	ND	ND
Tetrachloroethene	5	ND		ND	ND	ND	ND
Xylenes (Total)	5	ND		ND	ND	ND	ND
Toluene	5	ND		ND	ND	ND	ND
Chlorobenzene	5	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND		ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND			ND		

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Sample ID	Class GA	SMW-5	SMW-5	SMW-5	SL-MW-5	SL-MW-5	SL-MW-5	SL-MW-5
Laboratory ID	Ground	E0832-05	F0495-04B	F1174-13B	G2115-13	J0196-09	K0834-15	L1820-06
Sample Date	Water	6/15/06	4/20/07	8/27/07	11/13/08	2/4/10	5/12/11	08/29/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	***170***	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	38 J	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	3.0 J	2.0 J	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	1.5 J	ND
Tetrachloroethene	5	ND	ND	2.0 J	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	***1,200***	***230 D***	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	0	1			
Total VOC TIC conc.		ND	ND	ND	330 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Sample ID	Class GA	SL-MW-5	SL-MW-5	SL-MW-5	SL-MW-5	SL-MW-5	SL-MW-5
Laboratory ID	Ground		AC83924-001				
Sample Date	Water	1/13/13	3/24/15	5/10/16	9/19/17	11/5/18	12/16/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	Could not	ND	Could not	Could not	Could not	Could not
1,1-Dichloroethene	5	sample,	ND	sample,	sample,	sample,	sample,
Acetone	50	less than	ND	less than	less than	less than	less than
Benzene	1	1 ft of	ND	1.7 ft of	0.4 ft of	0.9 ft of	1.2 ft of
2-Butanone	50	water in	ND	water in	water in	water in	water in
trans-1,2-Dichloroethene	5	the well.	ND	the well.	the well.	the well.	the well.
Methyl tert-butyl ether	10		ND				
1,1-Dichloroethane	5		ND				
cis-1,2-Dichloroethene	5		ND				
Chloroform	7		ND				
1,1,1-Trichloroethane	5		ND				
Trichloroethene	5		ND				
Tetrachloroethene	5		ND				
Xylenes (Total)	5		ND				
Toluene	5		ND				
Chlorobenzene	5		ND				
1,2-Dichlorobenzene	4.7		ND				
Number of VOC TICs							
Total VOC TIC conc.			ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
Sample ID	Class GA	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SL-MW-6A
Laboratory ID	Ground	E0832-06	F0495-01B	F1174-04C	G2115-10	J0196-10	K0834-13	L1820-03
Sample Date	Water	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10	5/12/11	08/27/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	1.2 J	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	0	1			
Total VOC TIC conc.		ND	ND	ND	28 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
Sample ID	Class GA	SL-MW-6A	SL-MW-6A	SL-MW-6A	SL-MW-6A	SL-MW-6A	SL-MW-6A
Laboratory ID	Ground	AC75711-012	AC83904-020	AC91322-006	AD00135-003	AD07645-010	AD14811-017
Sample Date	Water	11/13/13	3/24/15	5/10/16	9/19/17	11/5/18	12/16/2019
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	5.7	2.8	1.8	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	1.1	***22.0***	2.7	ND
Tetrachloroethene	5	ND	ND	ND	***11.0***	***15.0***	2.6
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
Sample ID	Class GA	SMW-6B	SMW-6B	SMW-6B	SMW-6B	SMW-6B	SMW-6B	SL-MW-6B
Laboratory ID	Ground	E0832-07	F0495-03B	F1174-05C	G2115-12	J0196-11	K0834-14	L1820-04
Sample Date	Water	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10	5/12/11	08/27/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	3.7 J
Benzene	1	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***210 D***	***120***	***130***	***140***	***190***	***44.0***	0.50 J
Chloroform	7	ND	ND	ND	2.0 J	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	***85.0***	***27.0***	***26.0***	***30.0***	***40.0***	***7.3***	ND
Tetrachloroethene	5	***1,100 D***	***650***	***480 D***	***470 D***	***2,000 D***	***150***	***23.0***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	0	1			
Total VOC TIC conc.		ND	ND	ND	28 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
Sample ID	Class GA	SL-MW-6B	SL-MW-6B	SL-MW-6B	SL-MW-6B	SL-MW-6B	SL-MW-6B
Laboratory ID	Ground	AC75711-010	AC83904-018	AC91322-002	AD00135-002	AD07645-009	AD14811-016
Sample Date	Water	11/13/13	3/24/15	5/10/16	9/19/17	11/5/18	2/16/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***140***	***100***	***44.0***	***51.0***	***78.0***	***120***
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	***30.0***	***31.0***	***12.0***	***8.1***	***9.2***	***17.0***
Tetrachloroethene	5	***1,500***	***1,200***	***330***	***340***	***470 D***	***1,200***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
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ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
Sample ID	Class GA	SMW-12	SMW-12	SL-MW-12	SL-MW-12	SL-MW-12	SL-MW-12
Laboratory ID	Ground	E0832-01	F1174-08C	G2115-06	J0189-01	K0834-01	L1786-07
Sample Date	Water	6/15/06	8/22/07	11/12/08	2/2/10	5/10/11	08/22/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	1.7 J	0.68 J
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	2.0 J	3.1 J	ND	1.8 J	***5.6***
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	1.0 J	ND	ND	ND	1.1 J
Tetrachloroethene	5	***17.0***	***17.0***	***60.0***	***10.0***	1.6 J	0.80 J
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	4.0 J	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	***9.0***	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	1			
Total VOC TIC conc.		ND	ND	26			

Notes:
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BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
Sample ID	Class GA	SL-MW-12	SL-MW-12	SL-MW-12	SL-MW-12	SL-MW-12	SL-MW-12
Laboratory ID	Ground	AC75711-027	AC83904-016	AC91322-011		AD07645-012	AD14811-011
Sample Date	Water	11/14/13	3/24/15	5/11/16	9/21/17	11/7/18	12/18/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	well could	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	not be	ND	ND
Acetone	50	ND	ND	ND	located, the	ND	ND
Benzene	1	ND	ND	ND	area has	ND	ND
2-Butanone	50	ND	ND	ND	recently been	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	landscaped	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND		ND	ND
1,1-Dichloroethane	5	ND	ND	ND		ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND		ND	ND
Chloroform	7	ND	ND	ND		ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND		ND	ND
Trichloroethene	5	ND	ND	ND		ND	ND
Tetrachloroethene	5	2.4	***10.0***	***13.0***		***11.0***	***5.1***
Xylenes (Total)	5	ND	ND	ND		ND	ND
Toluene	5	ND	ND	ND		ND	ND
Chlorobenzene	5	ND	ND	ND		ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND		ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
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ND - Not detected
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J - Estimated value, VOCs
NA - Not analyzed
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Upgradient Wells
Source Area Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-13		MW-13		MW-13		MW-13		MW-13		MW-13	
Sample ID	Class GA	SMW-13		SMW-13		SL-MW-13		SL-MW-13		SL-MW-13		SL-MW-13	
Laboratory ID	Ground	E0832-02		F1174-07C		G2115-07		J0189-02		K0834-02		L1786-04	
Sample Date	Water	6/15/06		8/22/07		11/12/08		2/2/10		5/10/11		8/21/12	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Vinyl Chloride	2	ND		ND		ND		ND		ND		ND	
1,1-Dichloroethene	5	ND		ND		ND		ND		ND		ND	
Acetone	50	4.0	J	ND		ND		ND		ND		ND	
Benzene	1	ND		ND		ND		ND		ND		ND	
2-Butanone	50	ND		ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND	
Methyl tert-butyl ether	10	ND		ND		ND		ND		ND		6.7	
1,1-Dichloroethane	5	ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND	
Chloroform	7	ND		6.0		2.7	J	ND		ND		ND	
1,1,1-Trichloroethane	5	ND		ND		ND		ND		ND		ND	
Trichloroethene	5	3.0	J	ND		ND		ND		ND		0.71	J
Tetrachloroethene	5	***5.0***		ND		1.0	J	ND		ND		1.0	J
Xylenes (Total)	5	ND		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	4.7	ND		ND		ND		ND		ND		ND	
Number of VOC TICs		0		0		1							
Total VOC TIC conc.		ND		ND		26	J						

Notes:
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NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
Sample ID	Class GA	SL-MW-13	SL-MW-13	SL-MW-13	SL-MW-13	SL-MW-13	SL-MW-13
Laboratory ID	Ground	AC75711-029	AC83924-007	AC91322-012	AD00342-002	AD07645-013	AD14811-006
Sample Date	Water	11/14/13	3/24/15	5/11/16	9/28/17	11/7/18	12/18/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	1.2	1.4	0.57	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	1.3	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
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Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID	Class GA	SMW-14	SMW-14	SL-MW-14	SL-MW-14	SL-MW-14	SL-MW-14
Laboratory ID	Ground	E0832-03	F1174-06C	G2115-18	J0189-04	K0834-05	L1786-08
Sample Date	Water	6/15/06	8/22/07	11/14/08	2/2/10	5/10/11	08/22/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	1.1 J	8.0	4.6 J
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	2.0 J	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs		0	0	1			
Total VOC TIC conc.		ND	ND	20 J			ND

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID	Class GA	SL-MW-14	SL-MW-14	SL-MW-14	SL-MW-14	SL-MW-14	SL-MW-14
Laboratory ID	Ground	AC75711-031	AC83924-003	AC91322-013	AD00205-005	AD07645-014	AD14811-010
Sample Date	Water	11/14/13	3/25/15	5/11/16	9/21/17	11/7/18	12/18/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	6.8	0.81	0.67	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		12.0 J	4.8 J				

Notes:
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ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SMW-11	SMW-11	SL-MW-11	SL-MW-11	SL-MW-11	SL-MW-11
Laboratory ID	Ground	E0773-19		G2115-01			
Sample Date	Water	6/8/06	8/20/07	11/11/08	2/1/10	5/10/11	08/22/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	NA	ND	NA	NA	NA
1,1-Dichloroethene	5	ND	NA	ND	NA	NA	NA
Acetone	50	ND	NA	ND	NA	NA	NA
Benzene	1	ND	NA	ND	NA	NA	NA
2-Butanone	50	ND	NA	ND	NA	NA	NA
trans-1,2-Dichloroethene	5	ND	NA	ND	NA	NA	NA
Methyl tert-butyl ether	10	ND	NA	1.8 J	NA	NA	NA
1,1-Dichloroethane	5	ND	NA	ND	NA	NA	NA
cis-1,2-Dichloroethene	5	3.0 J	NA	***13.0***	NA	NA	NA
Chloroform	7	ND	NA	ND	NA	NA	NA
1,1,1-Trichloroethane	5	ND	NA	ND	NA	NA	NA
Trichloroethene	5	4.0 J	NA	ND	NA	NA	NA
Tetrachloroethene	5	***56.0***	NA	***60.0***	NA	NA	NA
Xylenes (Total)	5	ND	NA	ND	NA	NA	NA
Toluene	5	ND	NA	***63.0***	NA	NA	NA
Chlorobenzene	5	ND	NA	4.8 J	NA	NA	NA
1,2-Dichlorobenzene	4.7	ND	NA	ND	NA	NA	NA
Number of VOC TICs		1		1			
Total VOC TIC conc.		6 J	NA	22 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SL-MW-11	SL-MW-11	SL-MW-11	SL-MW-11	SL-MW-11	SL-MW-11
Laboratory ID	Ground			AC91322-001	AD00205-006	AD07645-011	AD14811-012
Sample Date	Water	11/12/13	3/25/15	5/9/16	9/21/17	11/6/18	12/19/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	NA	NA	1.8	***2.5***	ND	ND
1,1-Dichloroethene	5	NA	NA	ND	ND	ND	ND
Acetone	50	NA	NA	ND	ND	ND	ND
Benzene	1	NA	NA	ND	ND	ND	ND
2-Butanone	50	NA	NA	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NA	NA	ND	ND	ND	ND
Methyl tert-butyl ether	10	NA	NA	6.9	5.1	1.8	1.4
1,1-Dichloroethane	5	NA	NA	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NA	NA	***5.9***	***6.1***	3.4	***6.8***
Chloroform	7	NA	NA	ND	ND	ND	ND
1,1,1-Trichloroethane	5	NA	NA	ND	ND	ND	ND
Trichloroethene	5	NA	NA	2.4	1.9	2.6	2.5
Tetrachloroethene	5	NA	NA	***28.0***	***18.0***	***16.0***	***29.0***
Xylenes (Total)	5	NA	NA	ND	ND	ND	ND
Toluene	5	NA	NA	ND	ND	ND	ND
Chlorobenzene	5	NA	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	NA	NA	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.							

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-16		MW-16		MW-16		MW-16		MW-16		MW-16	
Sample ID	Class GA	SMW-16		SMW-16		SL-MW-16		SL-MW-16		SL-MW-16		SL-MW-16	
Laboratory ID	Ground	E0832-04		F1174-12B		G2115-05		J0189-05		K0834-08		L1786-09	
Sample Date	Water	6/15/06		8/27/07		11/12/08		2/2/10		5/11/11		08/22/12	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Vinyl Chloride	2	ND		ND		ND		1.2	J	ND		***2.1***	***J***
1,1-Dichloroethene	5	4.0	J	ND		ND		2.4	J	ND		1.1	J
Acetone	50	ND		ND		ND		ND		ND		ND	
Benzene	1	ND		ND		ND		ND		ND		ND	
2-Butanone	50	ND		ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND	
Methyl tert-butyl ether	10	2.0	J	ND		ND		ND		ND		1.4	J
1,1-Dichloroethane	5	ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	***15.0***		ND		2.1	J	***16.0***		***8.0***		***20.0***	
Chloroform	7	ND		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	5	***5.0***		ND		ND		2.8	J	ND		1.7	J
Trichloroethene	5	***16.0***		ND		1.1	J	***11.0***		***7.5***		***9.5***	
Tetrachloroethene	5	***25.0***		2.0	J	***6.9***		***48.0***		***95.0***		***100***	
Xylenes (Total)	5	ND		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	4.7	ND		ND		ND		ND		ND		ND	
Number of VOC TICs		0		0		1							
Total VOC TIC conc.		ND		ND		23	J						

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Sample ID	Class GA	SL-MW-16	SL-MW-16	SL-MW-16	SL-MW-16	SL-MW-16	SL-MW-16
Laboratory ID	Ground	AC75711-007	AC83924-005	AC91322-014	AD00205-007	AD07645-015	AD14811-001
Sample Date	Water	11/12/13	3/24/15	5/11/16	9/20/17	11/7/18	12/19/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	1.2	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	13.0	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	0.7	ND	***13.0***	***11.0***	***10.0***	3.4
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	1.1	ND	***6.8***	***7.4***	***7.2***	4.1
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	3.0	3.6	3.2	2.2
Tetrachloroethene	5	3.7	ND	***22.0***	***23.0***	***26.0***	***13.0***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S
Sample ID	Class GA	SMW-23S	SMW-23S	SL-MW-23S	SL-MW-23S	SL-MW-23S	SL-MW-23S
Laboratory ID	Ground	E0773-20	F1174-11B	G2115-03	J0196-03	K0834-06	L1786-03
Sample Date	Water	6/8/06	8/27/07	11/12/08	2/3/10	5/11/11	8/21/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	2.5 J	2.2 J
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	1.0 J	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	1.0 J	ND	5.4	3.9 J	9.5
1,1-Dichloroethane	5	ND	ND	ND	ND	1.6 J	ND
cis-1,2-Dichloroethene	5	***360 D***	***180 D***	***45.0***	***38.0***	***83.0***	***47.0***
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	1.6 J	1.3 J	3.8 J	3.5 J
Trichloroethene	5	***220 D***	***99.0***	***18.0***	***15.0***	***46.0***	***28.0***
Tetrachloroethene	5	***5,200 D***	***1,700 D***	***500 D***	***590 D***	***1,500 D***	***1,800 D***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs		2	0	1			
Total VOC TIC conc.		1,250 JD	ND	21 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S
Sample ID	Class GA	SL-MW-23S	SL-MW-23S	SL-MW-23S	SL-MW-23S	SL-MW-23S	SL-MW-23S
Laboratory ID	Ground	AC75711-020	AC83924-009	AC91322-018	AD00135-006	AD07645-016	AD14811-002
Sample Date	Water	11/13/13	3/25/15	5/12/16	9/19/17	11/6/18	12/18/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	2.4	***10.0***	ND	1.7	2.6
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	***12.0***	ND	***15.0***	***9.8***	3.2
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	***5.4***	ND	***8.3***	***6.4***	2.7
Tetrachloroethene	5	***2,500***	***390***	***2,300***	***1,000***	***470***	***100***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D
Sample ID	Class GA	SMW-23D	SMW-23D	SL-MW-23D	SL-MW-23D	SL-MW-23D	SL-MW-23D
Laboratory ID	Ground	E0773-21	F1174-09B	G2115-04	J0196-04	K0834-07	L1786-01
Sample Date	Water	6/8/06	8/27/07	11/12/08	2/3/10	5/11/11	8/21/12
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	0.97 J
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	3.0 J	***5.5***
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	1.2 J	2.8 J
Tetrachloroethene	5	4.0 J	***6.0***	***7.7***	***8.3***	***25.0***	***57.0***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs		1	0	1			
Total VOC TIC conc.		6 J	ND	25 J			

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
PERIODIC SAMPLING - 2006 THROUGH 2019 SAMPLING EVENTS
SUMMARY OF VOCs IN GROUNDWATER

Sample Location	NYSDEC	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D
Sample ID	Class GA	SL-MW-23D	SL-MW-23D	SL-MW-23D	SL-MW-23D	SL-MW-23D	SL-MW-23D
Laboratory ID	Ground	AC75711-024	AC83924-011	AC91322-017	AD00135-007	AD07645-017	AD14811-003
Sample Date	Water	11/13/13	3/25/15	5/12/16	9/19/17	11/8/18	12/18/19
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	1.1	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	1.8	1.5	1.1	1.6	1.2	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***10.0***	***9.3***	***9.3***	***14.0***	***13.0***	3.2
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	1.1	ND	ND	ND	ND
Trichloroethene	5	***5.2***	***6.2***	***5.0***	***9.8***	***6.7***	1.5
Tetrachloroethene	5	***130***	***110***	***170***	***280***	***240***	***70.0***
Xylenes (Total)	5	ND	ND	ND	ND	1.9	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of VOC TICs							
Total VOC TIC conc.		ND	ND				

Notes:
All values are in micrograms per liter (µg/L)
ND - Not detected
D - Dilution
J - Estimated value, VOCs
NA - Not analyzed
BOLD/ITALICS - exceeds criterion

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells
Compounds of Concern

TABLE 4
SERVALL LAUNDRY SITE (SITE 1-52-077)
FIELD DUPLICATE DATA - VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
DECEMBER 2019 SAMPLING EVENT

Sample Location	MW-13	MW-13	Precision as
Sample ID	MW-13	MW-63	Relative
Laboratory ID	AD14811-006	AD14811-007	Percent
Sample Date	12/18/2019	12/18/2019	Difference
	conc. Q	conc. Q	(RPD)
1,1,1-Trichloroethane	ND	ND	NC
1,1,2,2-Tetrachloroethane	ND	ND	NC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	NC
1,1,2-Trichloroethane	ND	ND	NC
1,1-Dichloroethane	ND	ND	NC
1,1-Dichloroethene	ND	ND	NC
1,2,3-Trichlorobenzene	ND	ND	NC
1,2,4-Trichlorobenzene	ND	ND	NC
1,2-Dibromo-3-chloropropane	ND	ND	NC
1,2-Dibromoethane	ND	ND	NC
1,2-Dichlorobenzene	ND	ND	NC
1,2-Dichloroethane	ND	ND	NC
1,2-Dichloropropane	ND	ND	NC
1,3-Dichlorobenzene	ND	ND	NC
1,4-Dichlorobenzene	ND	ND	NC
1,4-Dioxane	ND	ND	NC
2-Butanone	ND	ND	NC
2-Hexanone	ND	ND	NC
4-Methyl-2-pentanone	ND	ND	NC
Acetone	ND	ND	NC
Benzene	ND	ND	NC
Bromochloromethane	ND	ND	NC
Bromodichloromethane	ND	ND	NC
Bromoform	ND	ND	NC
Bromomethane	ND	ND	NC
Carbon disulfide	ND	ND	NC
Carbon tetrachloride	ND	ND	NC
Chlorobenzene	ND	ND	NC
Chloroethane	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
cis-1,2-Dichloroethene	ND	ND	NC
cis-1,3-Dichloropropene	ND	ND	NC
Cyclohexane	ND	ND	NC
Dibromochloromethane	ND	ND	NC
Dichlorodifluoromethane	ND	ND	NC
Ethylbenzene	ND	ND	NC
Isopropylbenzene	ND	ND	NC
m&p-Xylenes	ND	ND	NC
Methyl Acetate	ND	ND	NC
Methylcyclohexane	ND	ND	NC
Methylene chloride	ND	ND	NC

TABLE 4
SERVALL LAUNDRY SITE (SITE 1-52-077)
FIELD DUPLICATE DATA - VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
DECEMBER 2019 SAMPLING EVENT

Methyl-tert-butyl ether	ND	ND	NC
o-Xylene	ND	ND	NC
Styrene	ND	ND	NC
Tetrachloroethene	ND	ND	NC
Toluene	ND	ND	NC
trans-1,2-Dichloroethene	ND	ND	NC
trans-1,3-Dichloropropene	ND	ND	NC
Trichloroethene	ND	ND	NC
Trichlorofluoromethane	ND	ND	NC
Vinyl chloride	ND	ND	NC
Xylenes (Total)	ND	ND	NC

Notes:
All values in µg/L
NC - Not Calculable (analyte not detected in one or both analyses)
ND - Not Detected
J - Estimated value (greater than MDL but less than RL)

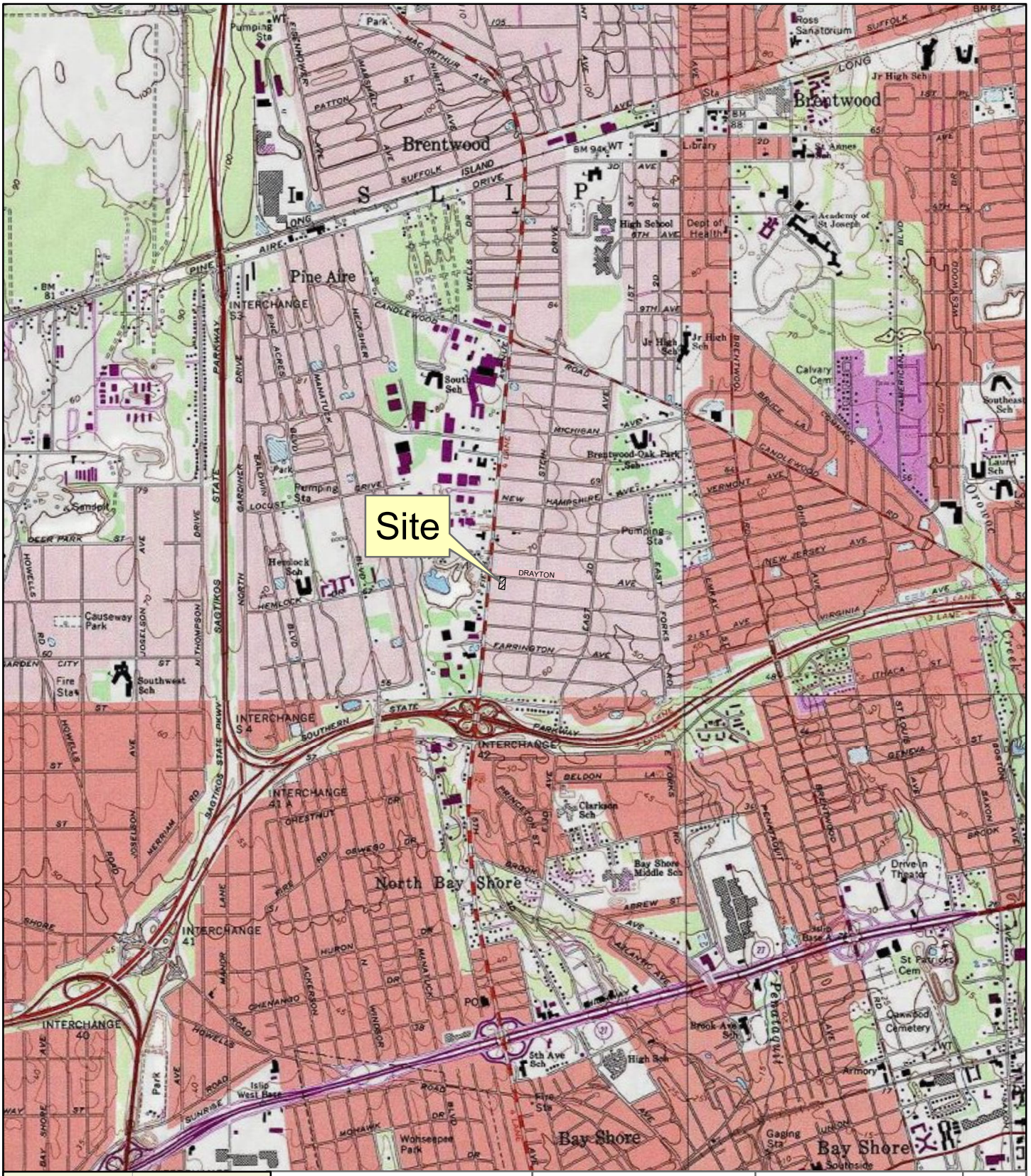
TABLE 5
SUMMARY OF HISTORIC TETRACHLOROETHENE CONCENTRATIONS IN SELECTED MONITORING WELLS
SERVALL LAUNDRY SITE (SITE 1-52-077)

	MW-2	MW-3A	MW-3B	MW-1	MW-4	MW-5	MW-6A	MW-6B	MW-12	MW-13	MW-14	MW-11	MW-16	MW-23S	MW-23D
Dec 2019	ND	ND	ND	3.8	ND	NA	2.6	***1,200***	***5.1***	ND	ND	***29***	***13***	***100***	***70***
Nov 2018	NA	ND	ND	ND	ND	NA	***15***	***470***	***11***	ND	ND	***16***	***26***	***470***	***240***
Sept 2017	NA	1.2	ND	ND	ND	NA	***11***	***340***	NA	1.3	ND	***18***	***23***	***1,000***	***280***
May 2016	NA	ND	ND	***15***	ND	NA	ND	***330***	***13***	ND	ND	***28***	***22***	***2,300***	***170***
Mar 2015	1.1	ND	ND	***14***	NA	ND	ND	***1,200***	***10***	ND	ND	NA	ND	***390***	***110***
Nov 2013	ND	ND	ND	***5.6***	ND	NA	ND	***1,500***	2.4	ND	ND	NA	3.7	***2,500***	***130***
Aug 2012	ND	ND	ND	***18***	ND	ND	ND	***23***	0.80 J	1.0 J	ND	NA	***100***	***1,800 D***	***57***
May 2011	2.1 J	ND	ND	NA	ND	ND	ND	***150***	1.6 J	ND	ND	NA	***95***	***1,500 D***	***25***
Feb 2010	ND	ND	ND	***50***	ND	ND	1.2 J	***2,000 D***	***10***	ND	ND	NA	***48***	***590 D***	***8.3***
Nov 2008	ND	ND	ND	NA	ND	ND	ND	***470 D***	***60***	1.0 J	ND	***60***	***6.9***	***500 D***	***7.7***
Aug 2007	ND	ND	NA	NA	ND	2.0 J	ND	***480 D***	***17***	ND	2 J	NA	2.0 J	***1,700 D***	***6.0***
Apr 2007	NA	NA	NA	NA	ND	ND	ND	***650***	NA	NA	NA	NA	NA	NA	NA
June 2006	NA	ND	NA	NA	ND	ND	ND	***1,100 D***	***17***	***5.0***	ND	***56***	***25***	***5,200 D***	4.0 J
May 2004	NA	NA	NA	NA	NA	NA	NA	NA	***7.0***	0.3 J	ND	NA	***410 E***	4.0	0.6 J
July 2000	NA	ND	ND	NA	NA	ND	ND	***160***	***820 D***	***6.0 J***	ND	***96***	***1,600 D***	***27***	***8.0 J***
Jan 1999	ND	NA	ND	NA	ND	3.0 J	1.0 J	***22 J***	***6.0 J***	4.0 J	ND	***290 J***	NA	***29 J***	3.0 J
Jan 1998	NA	ND	NA	NA	4.0	ND	2.0	***11,000***	2.0	ND	ND	***20***	***450***	NA	ND
Dec 1995	NA	0.34 J	ND	NA	ND	NA	ND	***8,400 E***	NA	***230***	NA	***800***	***1,700 E***	***7.8***	ND
Mar 1990	1.0 J	ND	***8.1 J***	NA	ND	ND	***100***	***13,000 DJ***	ND	***4,600 JD***	ND	***5,900***	***960 JD***	NA	NA
Feb 1990	***6.0***	ND	***6.0***	NA	ND	ND	***48***	***14,000***	ND	***5,800 D***	ND	***8,900***	***260***	NA	NA

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells

Notes:
Concentrations in µg/L
BOLD/ITALICIZED - equals or exceeds the Class GA criterion of 5 µg/L.
ND - Not detected
NA - Not sampled or data not available
E - Concentration exceeded the QC criterion, no dilution run data found
D - Dilution
J - Estimated concentration
The data presented in this table is a compilation of data available at the time of this report and is not a comprehensive listing of all data collected.
May 2004 - Data is very confusing. It is difficult to establish which well is presented on the Form 1s. (taken from report.hw152077.2004-05.GW04.pdf)
July 2000 data from H2M Labs, (ServAll Data Summary July 2000.pdf)
January 1999 & January 1998 (Harding Lawson, 1999 Groundwater Sampling Technical Memorandum (ServAll 1999 gw sampling.pdf)
December 1995 data from Plume Discharge Study (ServAll December 1995.pdf)
February and March 1990 data from E.C. Jordan, RI/FS 1992 (ServAll Jan 1992.pdf)

Figures



USGS NY Bay Shore West and Green Lawn Quadrangles

U.S.G.S. 1:24 000 SCALE TOPOGRAPHIC MAP

Prepared by: AECOM

Prepared for: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Multi Site G
Operation, Maintenance & Monitoring

Site Location
ServAll Laundry Site

Date:	Scale:	Figure No. :
January 2013	1 inch = 2,500 feet	1

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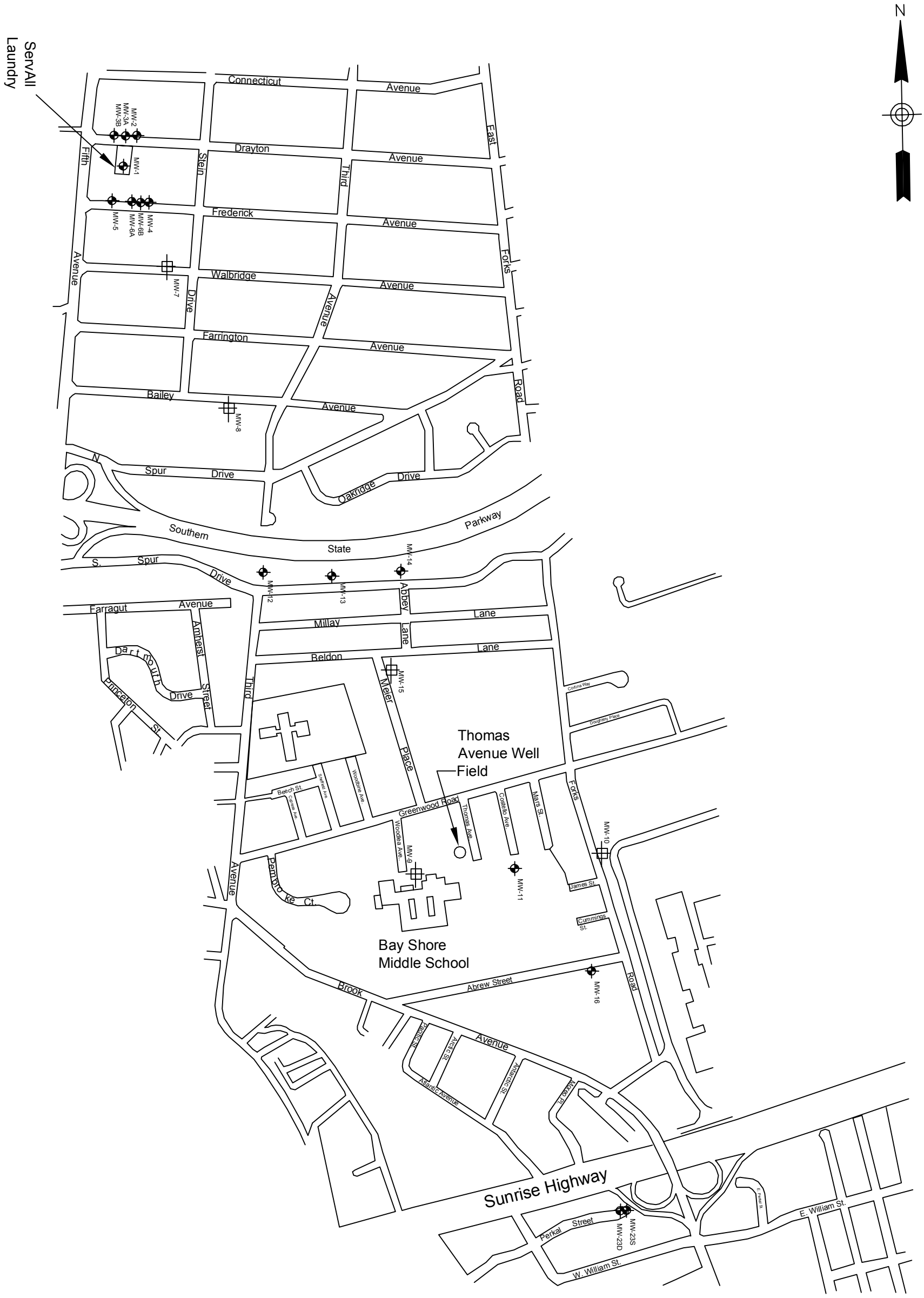

LEGEND:

MW-16 EXISTING MONITORING WELLS

MW-10 DAMAGED OR MISSING MONITORING WELLS

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK/jk	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**MONITORING WELL LOCATION MAP**
APPROVED BY : PK	DATE : AUGUST 2016 / SCALE : AS SHOWN / DRAWING NO. : **2**

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LEGEND:

- MW-16 — EXISTING MONITORING WELLS
- DAMAGED OR MISSING MONITORING WELLS
- GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
- GROUNDWATER ISOPLETH, CONTOUR INTERVAL IS 2.0 ft
- DIRECTION OF GROUNDWATER FLOW

GRAPHIC SCALE

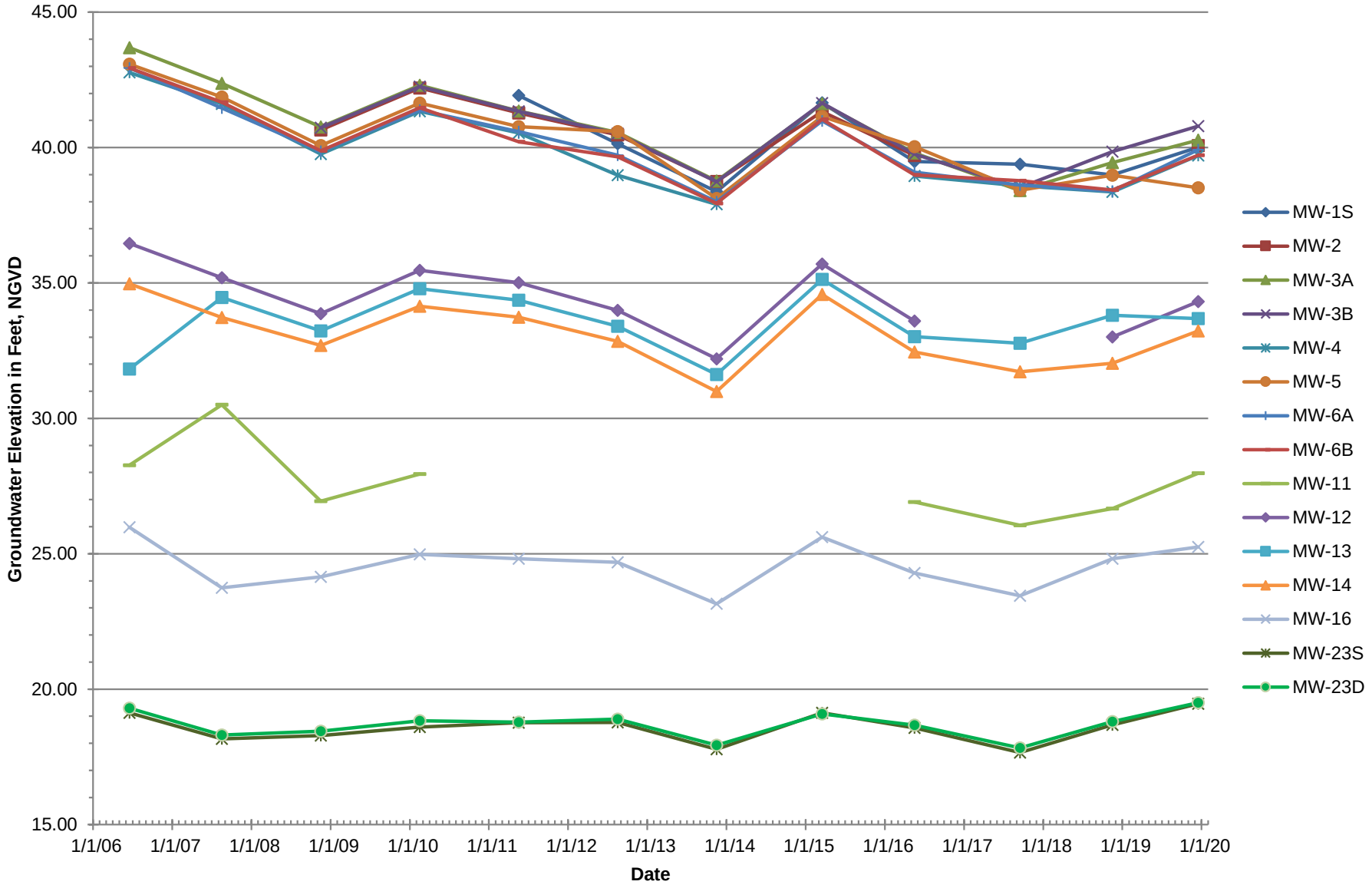
0 350 700 1400

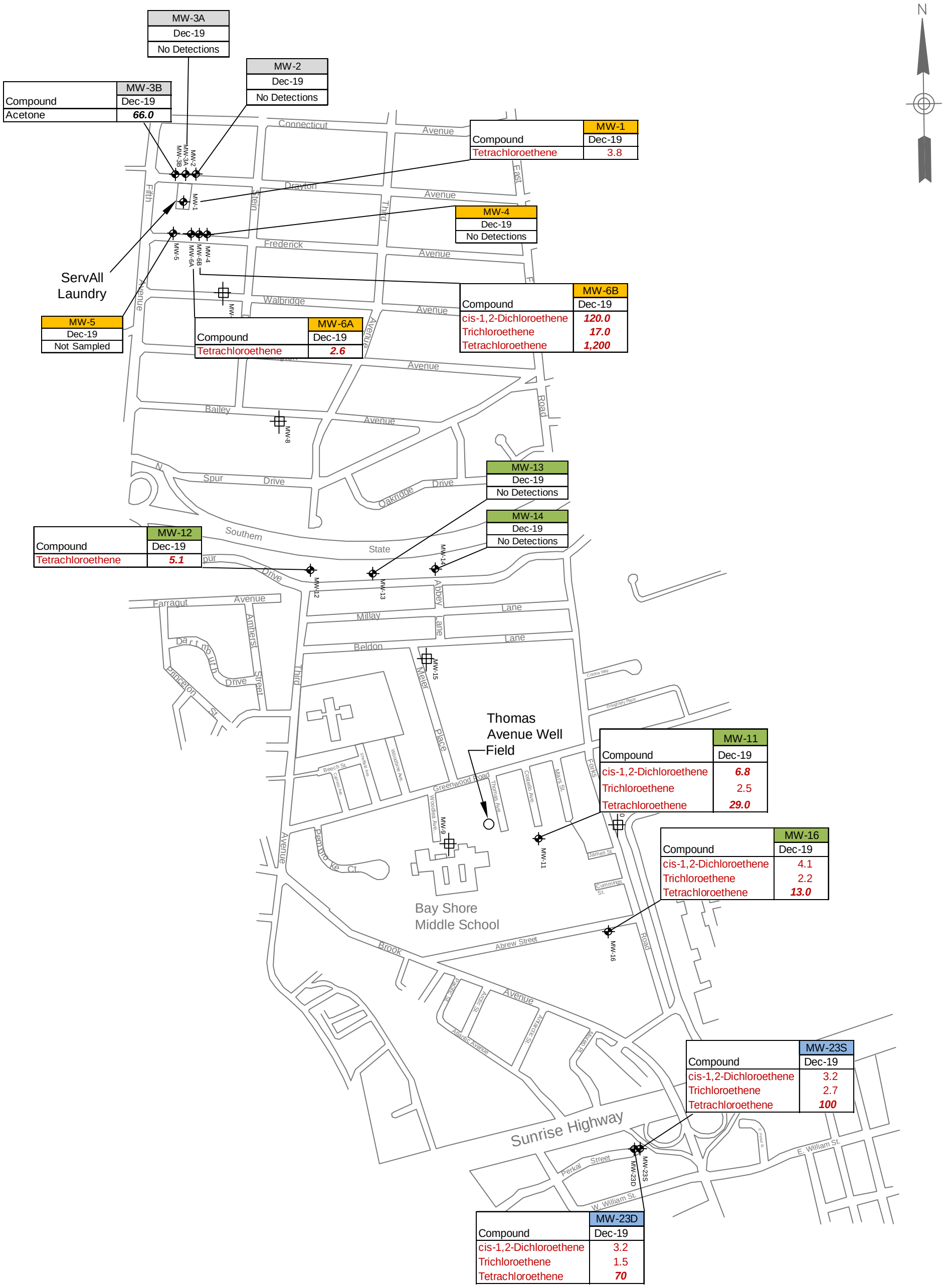
Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC/jk	**GROUNDWATER CONTOUR MAP DECEMBER 2019**
APPROVED BY : PK	DATE : APRIL 2020 / SCALE : AS SHOWN / DRAWING NO. : 3

FIGURE 4
GROUNDWATER HYDROGRAPH
SERVALL LAUNDRY SITE, #1-52-077





LEGEND:

MW-14 EXISTING MONITORING WELLS

MW-10 DAMAGED OR MISSING MONITORING WELL

Compound	NYSDEC Criteria
Vinyl Chloride	2
Methyl Tert Butyl Ether	10
cis-1,2-Dichloroethene	5
1,1,1-Trichloroethane	5
Trichloroethene	5
Tetrachloroethene	5

Upgradient Wells
Source Area Wells
Downgradient Wells
Sentinel Wells

Note:
All results are shown in micrograms per liter (ug/L)
BOLD: Results Exceeds Criterion
J: Estimated value
D: Dilution

GRAPHIC SCALE
0 350 700 1400
Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-077

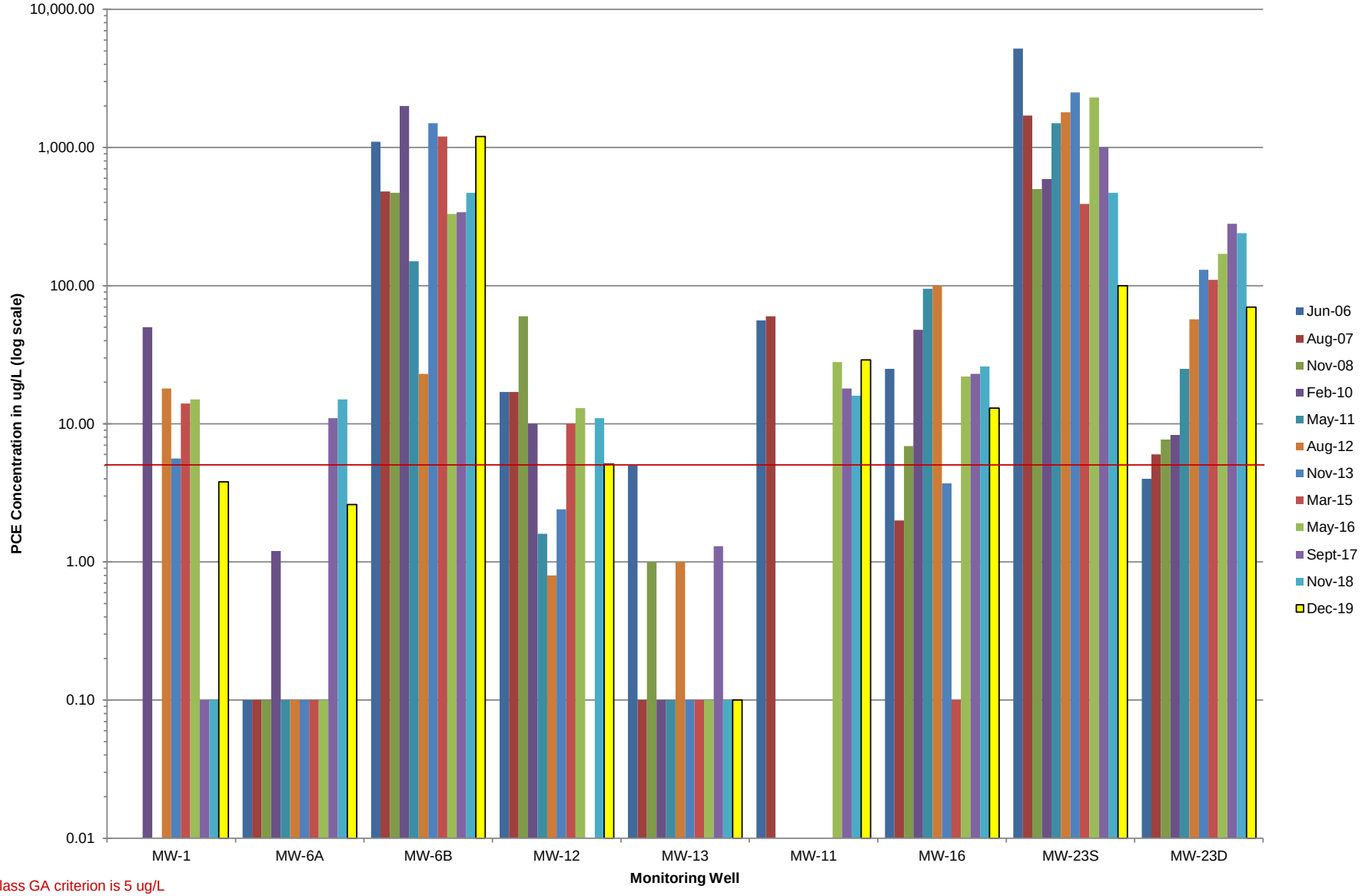
SUMMARY OF VOCs IN GROUNDWATER DECEMBER 2019

DATE : APRIL 2020

SCALE : AS SHOWN

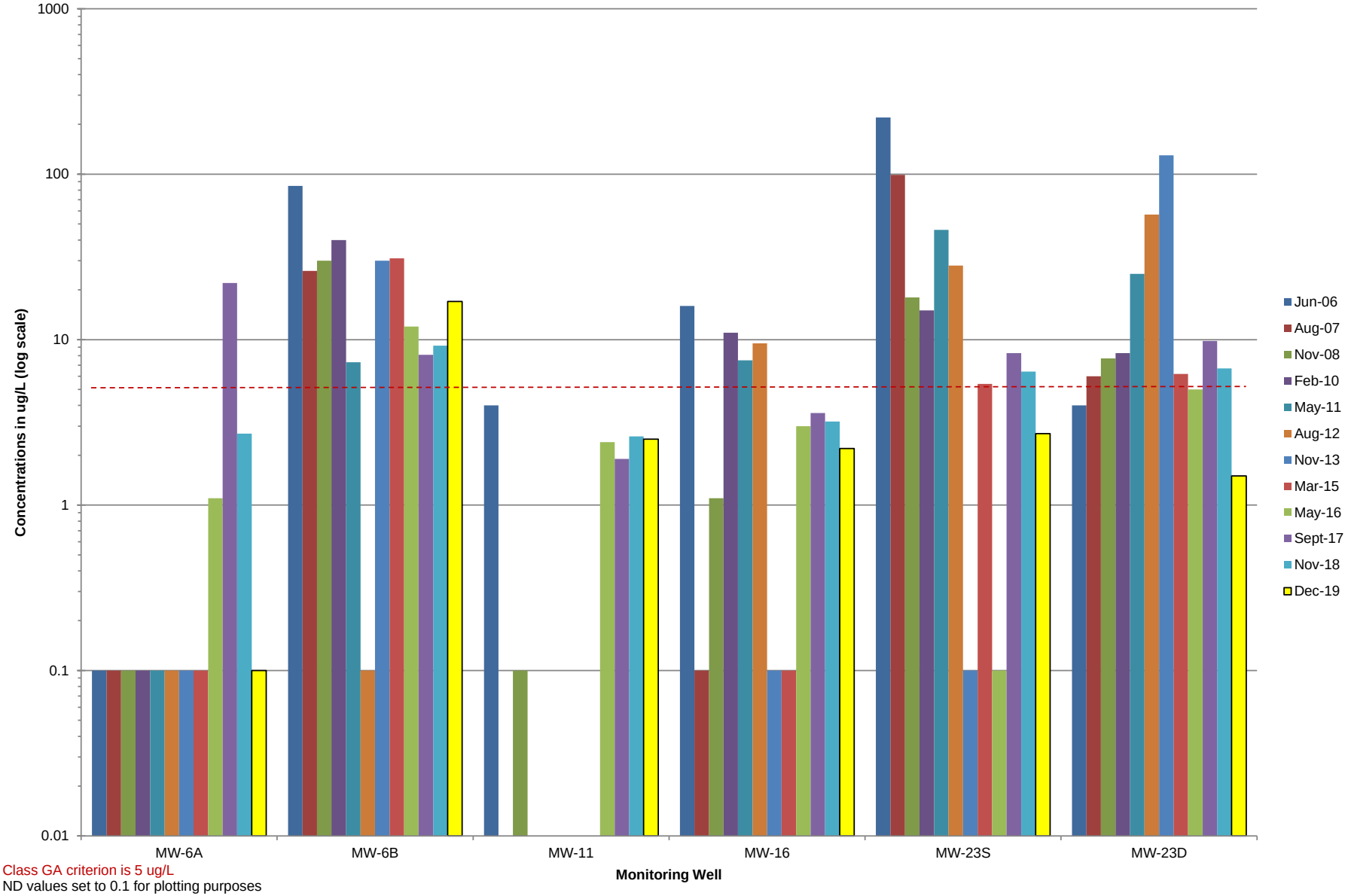
DRAWING NO. : 5

Figure 6
Tetrachloroethene Concentrations in Selected Monitoring Wells
ServAll Laundry Site (1-52-077)



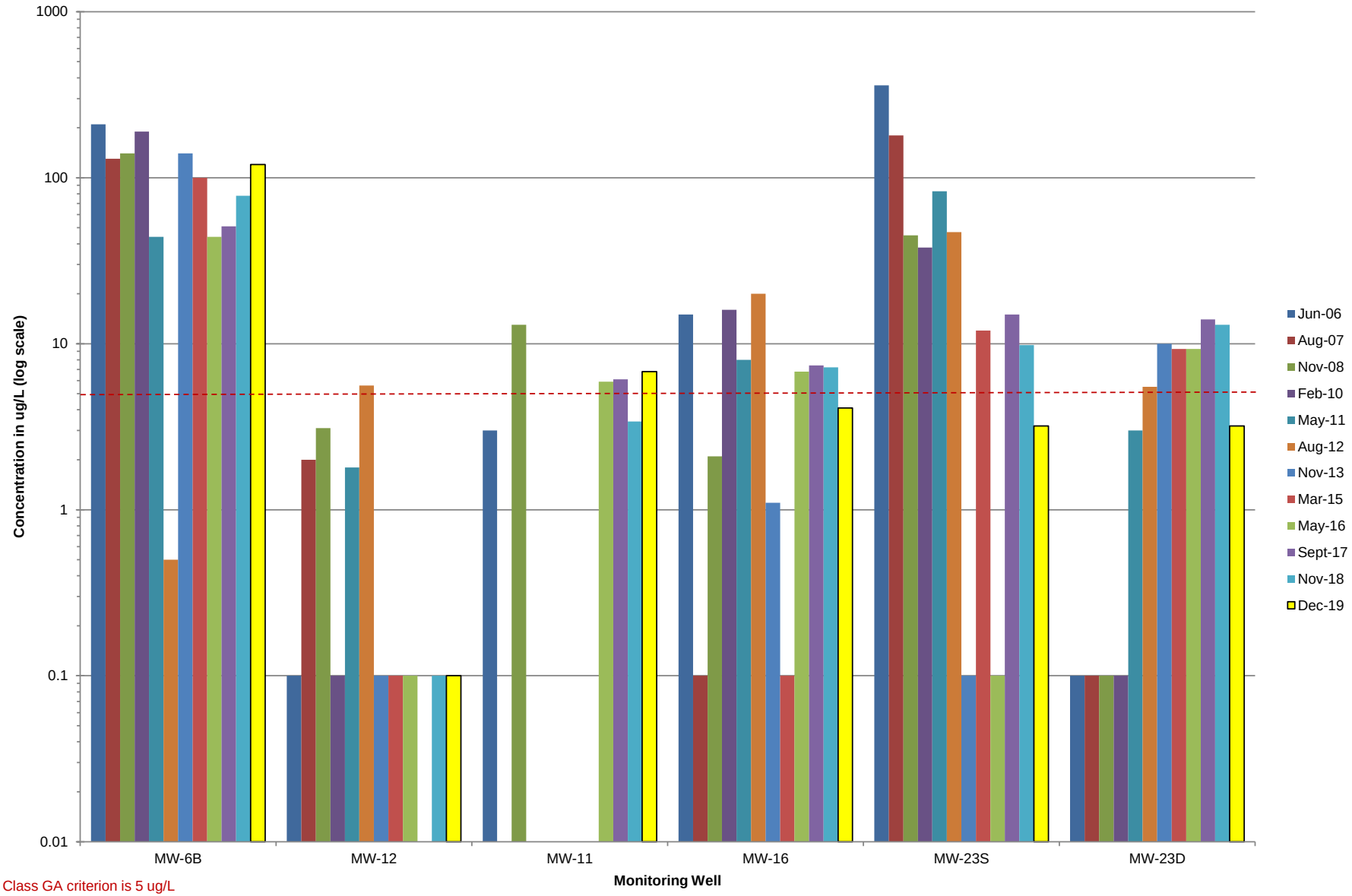
Class GA criterion is 5 ug/L
ND values set to 0.10 for plotting purposes

Figure 7
Trichloroethene Concentrations in Selected Monitoring Wells
ServAll Laundry Site (1-52-077)



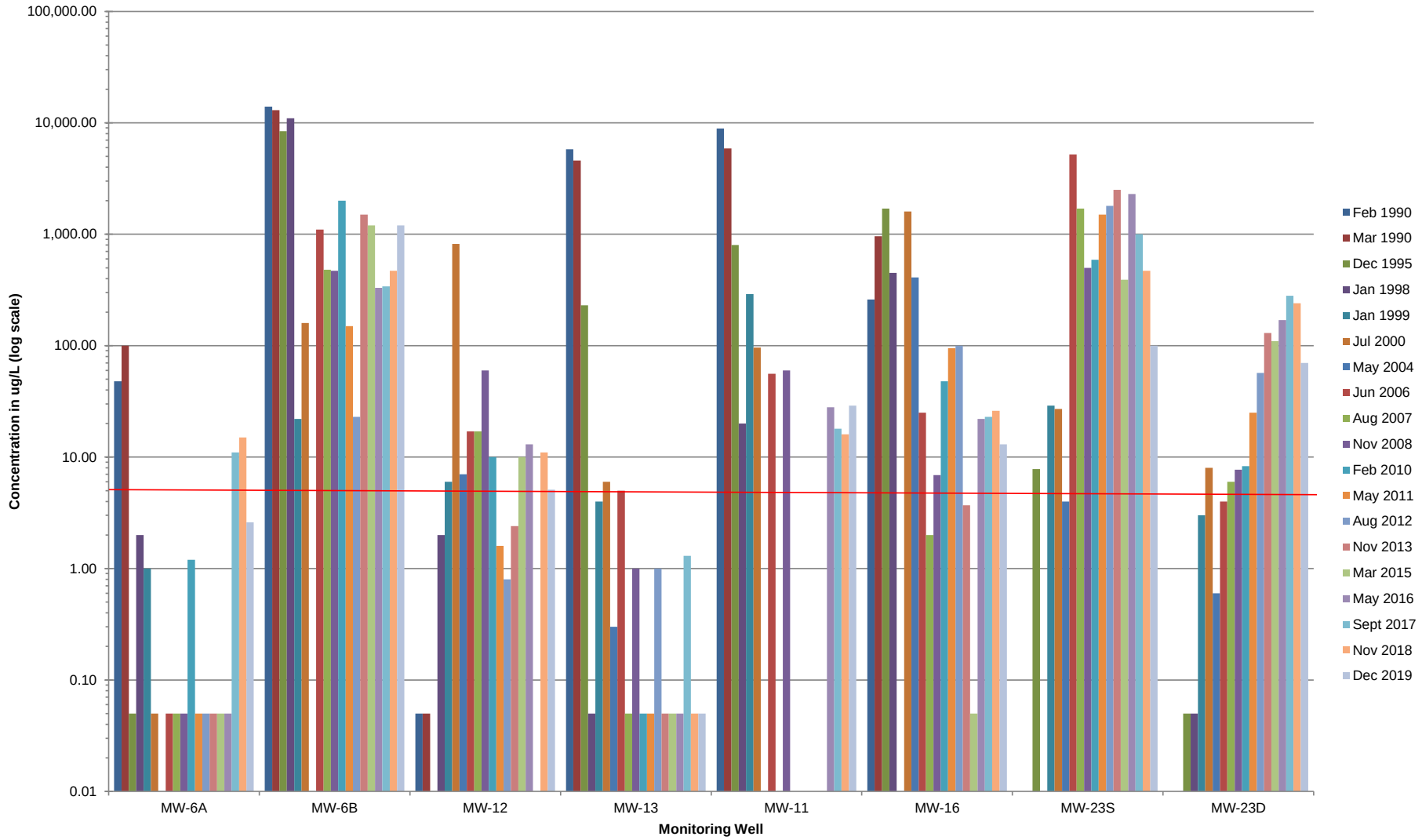
Class GA criterion is 5 ug/L
ND values set to 0.1 for plotting purposes

Figure 8
Cis-1,2-Dichloroethene Concentrations in Selected Monitoring Wells
ServAll Laundry Site (1-52-077)



Class GA criterion is 5 ug/L
ND values set to 0.1 for plotting purposes

FIGURE 9
HISTORIC PCE CONCENTRATIONS IN SELECTED MONITORING WELLS
SERVALL LAUNDRY SITE (1-52-077)



PCE Class GA criterion is 5 ug/L
ND values set to 0.05 ft to differentiate from "not collected"

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LEGEND:

MW-16	EXISTING MONITORING WELLS
MW-10	DAMAGED OR MISSING MONITORING WELL
(60)	PCE CONCENTRATION IN ug/L
10	PCE ISOCONCENTRATION LINE (ug/L), BASED ON RESULTS FROM MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A, MW-6B, MW-11, MW-12, MW-13, MW-14, MW-16 MW-23S, AND MW-23D
NA	NOT SAMPLED
ND	NOT DETECTED
PCE	CLASS GA CRITERIA IS 5 ug/L

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK/jk

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-026

PCE ISOCONCENTRATION MAP JUNE 2006

DATE : JANUARY 2012

SCALE : AS SHOWN

DRAWING NO. : 10A

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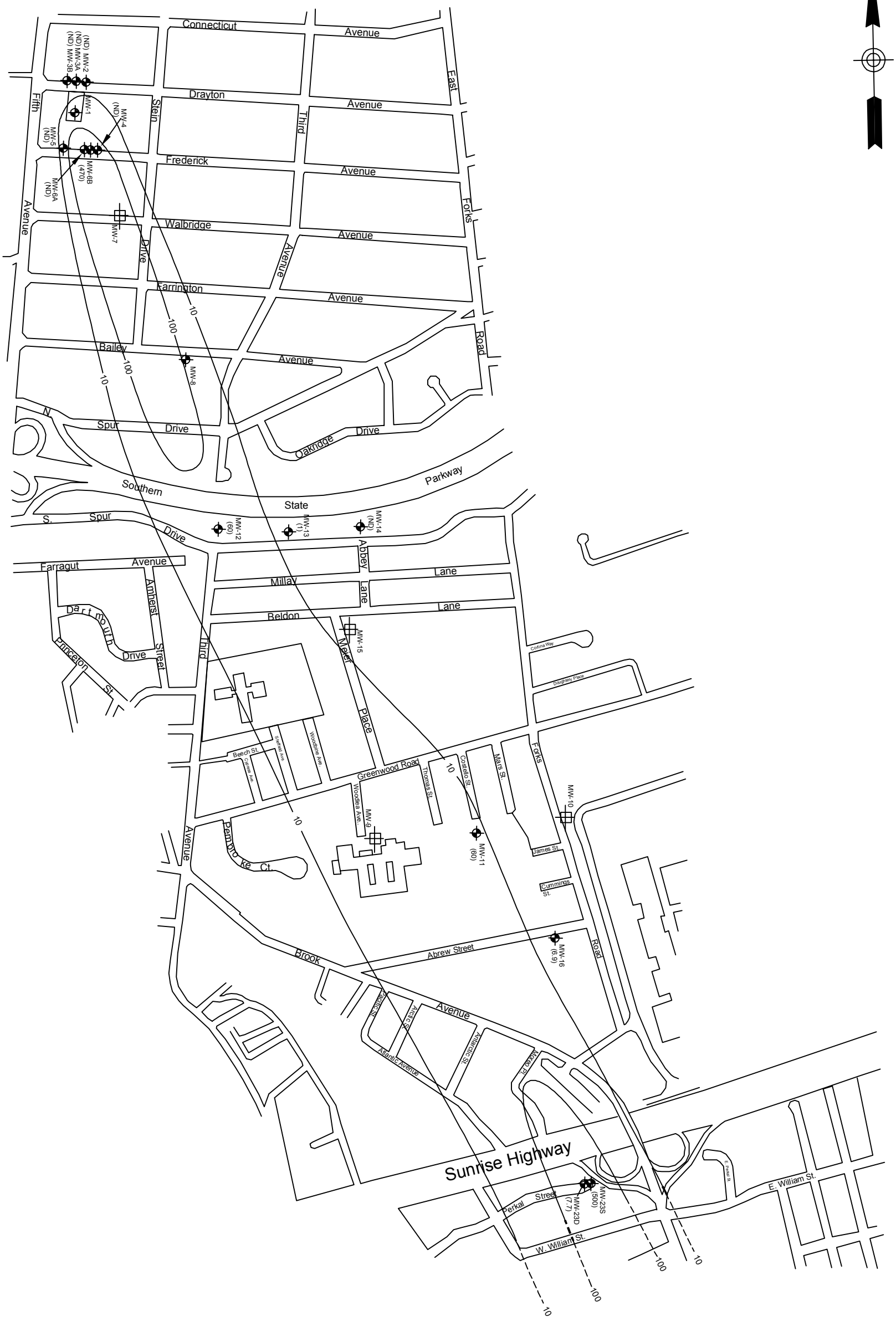

LEGEND:

MW-16	EXISTING MONITORING WELLS
MW-10	DAMAGED OR MISSING MONITORING WELL
(60)	PCE CONCENTRATION IN ug/L
10	PCE ISOCONCENTRATION LINE (ug/L), BASED ON RESULTS FROM MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A, MW-6B, MW-11, MW-12, MW-13, MW-14, MW-16 MW-23S, AND MW-23D
NA	NOT SAMPLED
ND	NOT DETECTED
PCE	CLASS GA CRITERIA IS 5 ug/L

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK/jk	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**PCE ISOCONCENTRATION MAP NOVEMBER 2008**
APPROVED BY : PK	DATE : JANUARY 2012 / SCALE : AS SHOWN / DRAWING NO. : 10B

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LEGEND:

MW-16	EXISTING MONITORING WELLS
MW-10	DAMAGED OR MISSING MONITORING WELL
(60)	PCE CONCENTRATION IN ug/L
10	PCE ISOCONCENTRATION LINE (ug/L), BASED ON RESULTS FROM MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A, MW-6B, MW-11, MW-12, MW-13, MW-14, MW-16 MW-23S, AND MW-23D
NA	NOT SAMPLED
ND	NOT DETECTED
PCE	CLASS GA CRITERIA IS 5 ug/L

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**PCE ISOCONCENTRATION MAP MAY 2011**
APPROVED BY : PK	DATE : JANUARY 2012 / SCALE : AS SHOWN / DRAWING NO. : 10C

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LEGEND:

MW-14 — EXISTING MONITORING WELLS

MISSING MONITORING WELLS

DAMAGED MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : VM/jk

APPROVED BY : PK

SERVALL LAUNDARY SITE
BAY SHORE, NEW YORK

PCE ISOCONCENTRATION MAP AUGUST 2012

DATE : OCTOBER 2012

SCALE : AS SHOWN

DRAWING NO. : 10D

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LEGEND:

- MW-14 — EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- DAMAGED MONITORING WELLS
- PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE
0 350 700 1400
Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : VM/jk

APPROVED BY : PK

SERVALL LAUNDARY SITE
BAY SHORE, NEW YORK

PCE ISOCONCENTRATION MAP NOVEMBER 2013

DATE :	SCALE :	DRAWING NO. :
NOVEMBER 2013	AS SHOWN	10E

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LEGEND:

MW-14 — EXISTING MONITORING WELLS

MISSING MONITORING WELLS

DAMAGED MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-026

PCE ISOCONCENTRATION MAP MARCH 2015

DATE : APRIL 2015

SCALE : AS SHOWN

DRAWING NO. : 10F

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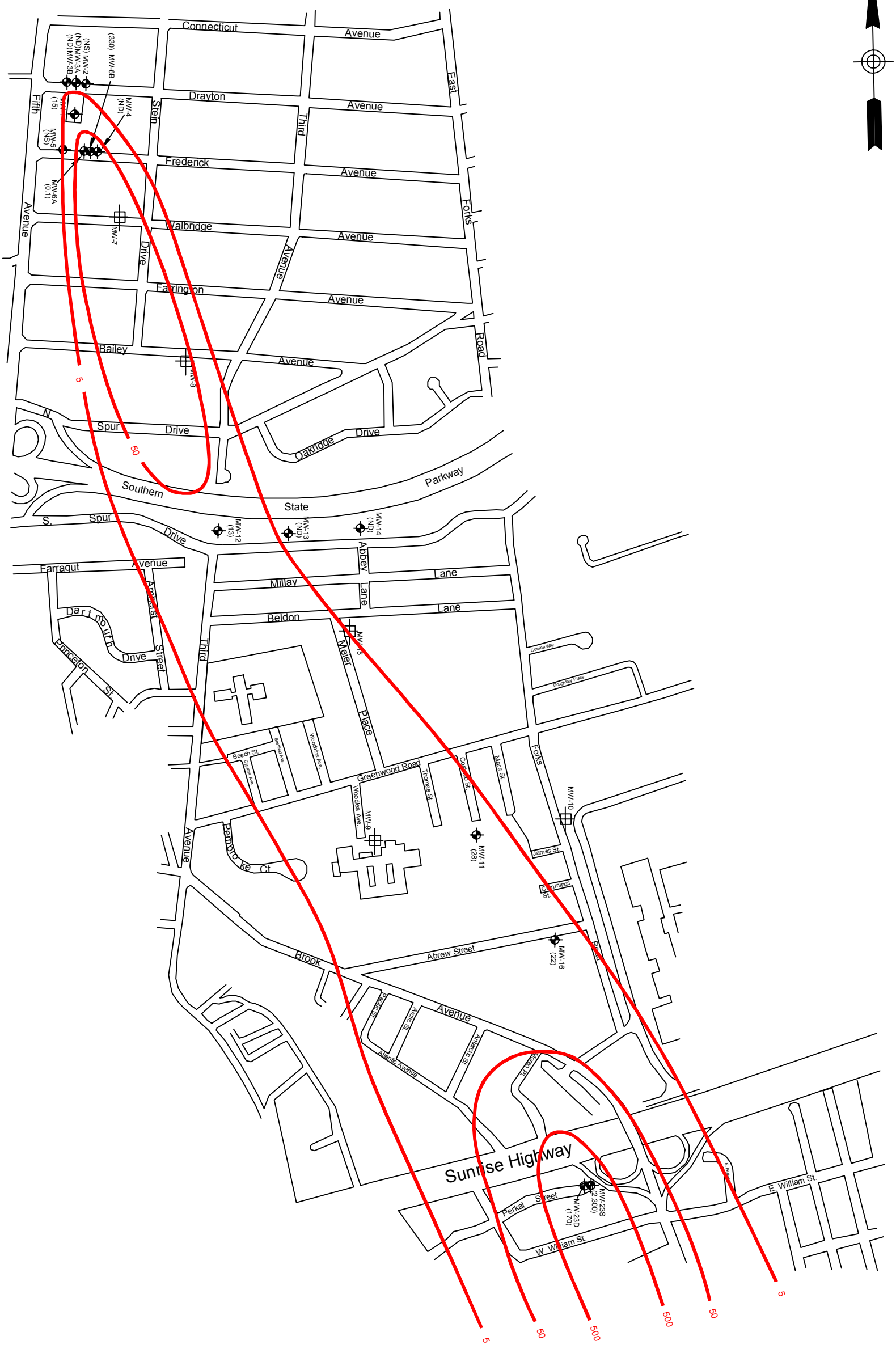

LEGEND:

MW-14 — EXISTING MONITORING WELLS

DAMAGED OR MISSING MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NS: Not sampled
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**PCE ISOCONCENTRATION MAP MAY 2016**
APPROVED BY : PK	DATE : AUGUST 2016 / SCALE : AS SHOWN / DRAWING NO. : **10G**

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LEGEND:

MW-14 — EXISTING MONITORING WELLS

DAMAGED OR MISSING MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NS: Not sampled
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE

0 350 700 1400

Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-026

PCE ISOCONCENTRATION MAP SEPTEMBER 2017

DATE : NOVEMBER 2017

SCALE : AS SHOWN

DRAWING NO. : 10H

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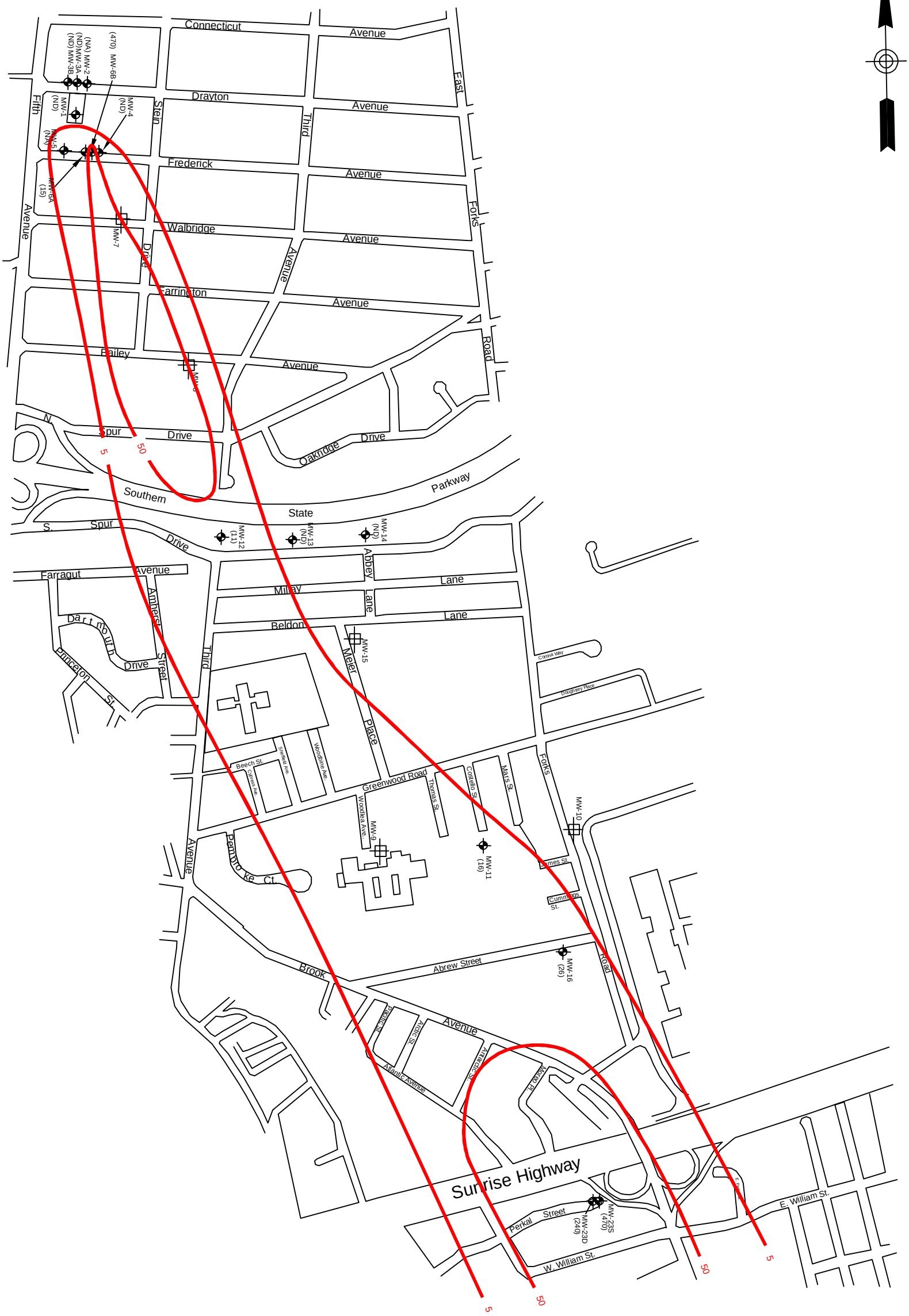

LEGEND:

MW-14 — EXISTING MONITORING WELLS

DAMAGED OR MISSING MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NS: Not sampled
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE
0 350 700 1400
Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-026

PCE ISOCONCENTRATION MAP NOVEMBER 2018

DATE : FEBRUARY 2019

SCALE : AS SHOWN

DRAWING NO. : **10I**

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LEGEND:

MW-14 — EXISTING MONITORING WELLS

DAMAGED OR MISSING MONITORING WELLS

PCE PLUME

Note:
- All results are in micrograms per liter (ug/L)
- J: Estimated value
- NS: Not sampled
- NA: Not analyzed
- ND: Non detect

Note: Monitoring wells MW-6B and MW-6A are screened at a higher elevation within the glacial drift sand (not directly on top of the glacial marine clay).

GRAPHIC SCALE
0 350 700 1400
Scale in Feet

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**PCE ISOCONCENTRATION MAP DECEMBER 2019**
APPROVED BY : PK	DATE : APRIL 2020 / SCALE : AS SHOWN / DRAWING NO. : **10J**

Appendix A

NYSDEC Monitoring Well Field Inspection Logs

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/17/19 0830
Well ID.: MW-1

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	1.6
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.70
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.78
MEASURE WELL DIAMETER (Inches):	4
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED BEHIND KC SCHOOBS PRODUCTS IN PARKING LOT

VEHICLES PARKED NEAR WELL

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL IN PAVED PARKING AREA

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

PARKED CARS

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/17/2019 1230
Well ID.: MW-2

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.5
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6.0

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	83.9
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.4
MEASURE WELL DIAMETER (Inches):	2.0
WELL CASING MATERIAL:	STEEL/PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED IN FRONT OF THE PARKING LOT OF 9 DRAYTON AVENUE

ALIGN WITH THE PARKING SIGN IN THE PARKING LOT

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL LOCATED IN GRASSY MEDIAN BETWEEN ROAD AND SIDEWALK

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

TOP SOIL

REMARKS:

PUMP ACCESS WAS BLOCKED BY PREVIOUS TUBING AT AROUND 17 FT DEPTH

PREVIOUS TUBING IN WELL WAS FISHED OUT BY IRON FISH TAPE

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/19/2019 0800
Well ID.: MW-3A

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	115.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.1
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	POOR
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

ALONG NORTH SIDEWALK OF DRAYTON AVE AT END OF CLOTHING BUILDING AND FENCE CORNER

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

LOCATED IN MEDIAN BETWEEN SIDEWALK AND STREET

WELL LID MISSING, IN-FILLED WITH SOIL OVER J-PLUG

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

TOP SOIL

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/17/19 1200
Well ID.: MW-3B

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	1.2
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	86.40
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	23.75
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	POOR
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

12 FEET WEST OF MW-3A

ALONG NORTHERN SIDEWALK OF DRAYTON AVE

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL LOCATED IN GRASSY MEDIAN BETWEEN ROAD AND SIDEWALK

PROTECTIVE CASING IS DAMAGED, LID BROKEN AND COVERED WITH SOIL ON TOP

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL , STORMWATER

REMARKS:

VEGETATION COVERING THE WELL, TUBING IN WELL

STORMWATER PONDING AT WELL LOCATION

MONITORING WELL INSPECTION LOG

SKETCH

MONITORING WELL INSPECTION LOG
SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/16/2019 0800
Well ID.: MW-4

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL MW-4

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	83.25
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	23.4
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE Well ID under the cap	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED IN FRONT OF 15 FREDERICK AVE IN BETWEEN MW-6B AND PZ-4

SURFACE SEAL CRACKED

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

LOCATED ON GRASSY MEDIAN BETWEEN SIDEWALK AND ROADWAY

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Top Soil

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/16/19 0820
Well ID.: MW-5

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	26.75
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	25.55
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED IN FRONT OF 9 FREDERICK AVE

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL IN NORTHERN SHOULDER OF ROAD (GRASSY AREA)

PROTECTIVE CASING BROKEN, LID MISSING

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL

REMARKS:

UNABLE TO SAMPLE DUE TO LOW STATIC WATER LEVEL IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR
DATE/TIME: 12/16/19 0930
Well ID.: MW-6A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X 40°45.300'N NYTM Y -76° 15.675' W See Report
PDOP Reading from Trimble pathfinder: Satellites:
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	28.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.11
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

7 FEET WEST AND 1 FEET SOUTH OF MW-6B

IN FRONT OF 11 FREDERICK AVENUE

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL IN SHOULDER OF ROAD (NO SIDEWALK), SURFACE SEAL BROKEN

TOP OF WELL COVERED BY SOIL & GRAVEL

PROTECTIVE CASING BROKE, LID BROKE, NO SURFACE SEAL

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

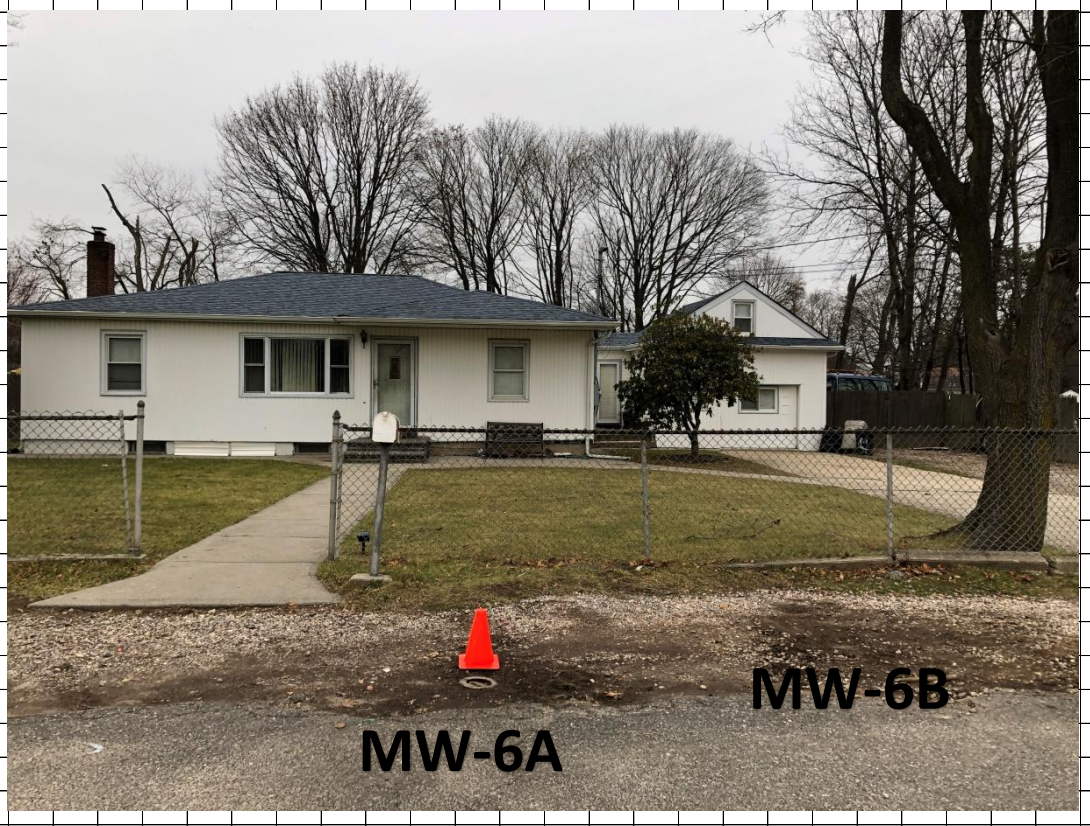
SOIL

REMARKS:

TUBING IN WELL, LOTS OF SEDIMENT AT THE BOTTOM

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/16/19, 0850
Well ID.: MW-6B

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X 40°45.303'N NYTM Y -76° 15.676' W See Report
PDOP Reading from Trimble pathfinder: Satellites:
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	59.70
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	23.95
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

7 FEET EAST AND 1 FEET NORTH OF MW-6A

IN FRONT OF 11 FREDERICK AVENUE

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL IN SHOULDER OF ROAD (NO SIDEWALK)

PROTECTIVE CASING LID MISSING, NO SURFACE SEAL, TOP OF WELL COVERED BY SOIL & GRAVEL

PLANT ROOTS AND GRAVEL FILLED IN

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

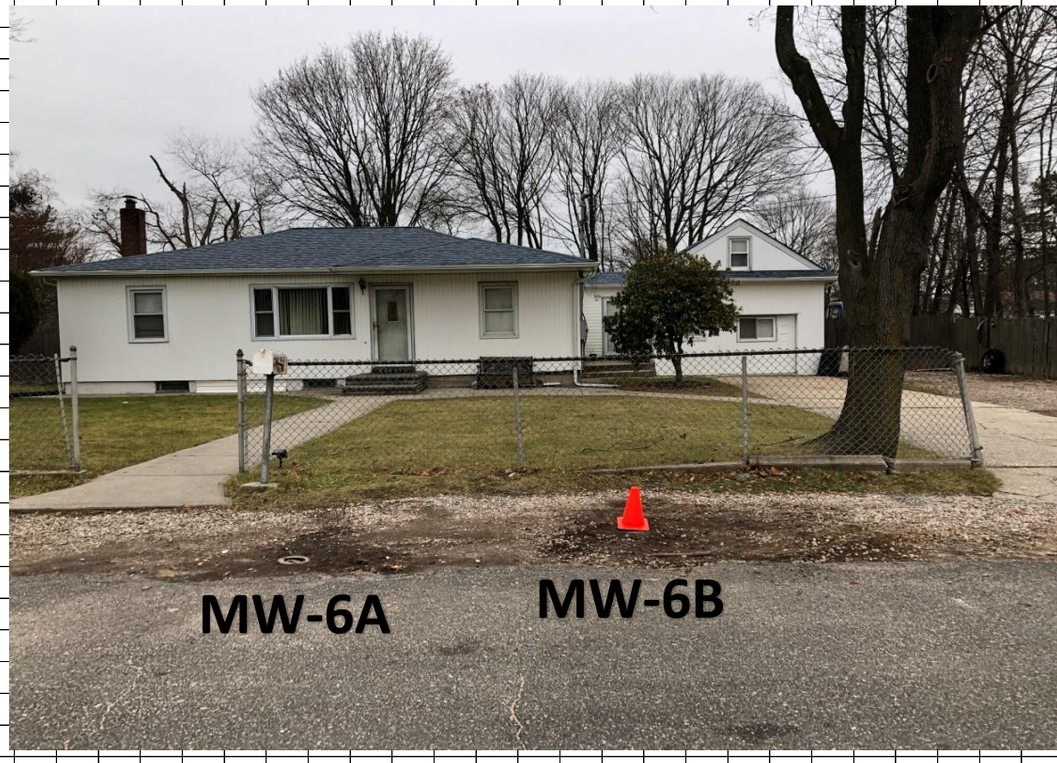
SOIL

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/19/19 1200
Well ID.: MW-11

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.2
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	90.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.1
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED NORTH OF BAY SHORE MIDDLE SCHOOL PLAYGROUND

NEAR THE TREE LINE IN THE GRASSY FIELD AREA

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL IN GRASSY FIELD AREA

SURFACE SEAL CRACKED, ONE OF THE BOLT MISSING

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH MW-11

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: PM/HL
DATE/TIME: 12/18/19 1215
Well ID.: MW-12

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... PID	0.1
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	90.50
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	16.3
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED 70 FT BEFORE LIGHT POST 1048

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

LOCATED AT GRASSY AREA AT TREE LINE

LID MISSING, SOIL ON TOP OF J-PLUG, COVERED WITH LEAVES AND GARBAGE

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL, GARBAGE, STORMWATER

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/18/119 1310
Well ID.: MW-13

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	97.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	16.65
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

11 FT NORTHEAST OF LIGHT POLE 1052

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

GRASSY ROAD SIDE (SOUTHERN STATE PARKWAY)

LID MISSING, A BROKEN LID WAS FOUND 1 FT AWAY THE WELL, SOIL AND LEAVES ON TOP OF PLUG

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL, LEAVES, STORMWATER

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/18/18 1325
Well ID.: MW-14

	YES	NO
WELL VISIBLE? (If not, provide directions below)		X

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED PID	0.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	91.60
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	16.75
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

45 FEET PAST LIGHT POLE 1056

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

GRASSY ROAD SIDE (SOUTHERN STATE PARKWAY)

LID MISSING, SOIL ON TOP OF J-PLUG, COVERED WITH LEAVES

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

SOIL, LEAVES, STORMWATER

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR
DATE/TIME: 12/19/19 1430
Well ID.: MW-16

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... PID	0.1
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	FLUSH
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	93.70
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.25
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	FAIR
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... OVERHEAD WIRE ACROSS STREET, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

LOCATED IN FRONT OF 44 ABREW STREET

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL SET IN PAVEMENT

SOIL ON TOP OF CASING LID, CAP CRACKED UP ONE SIDE

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

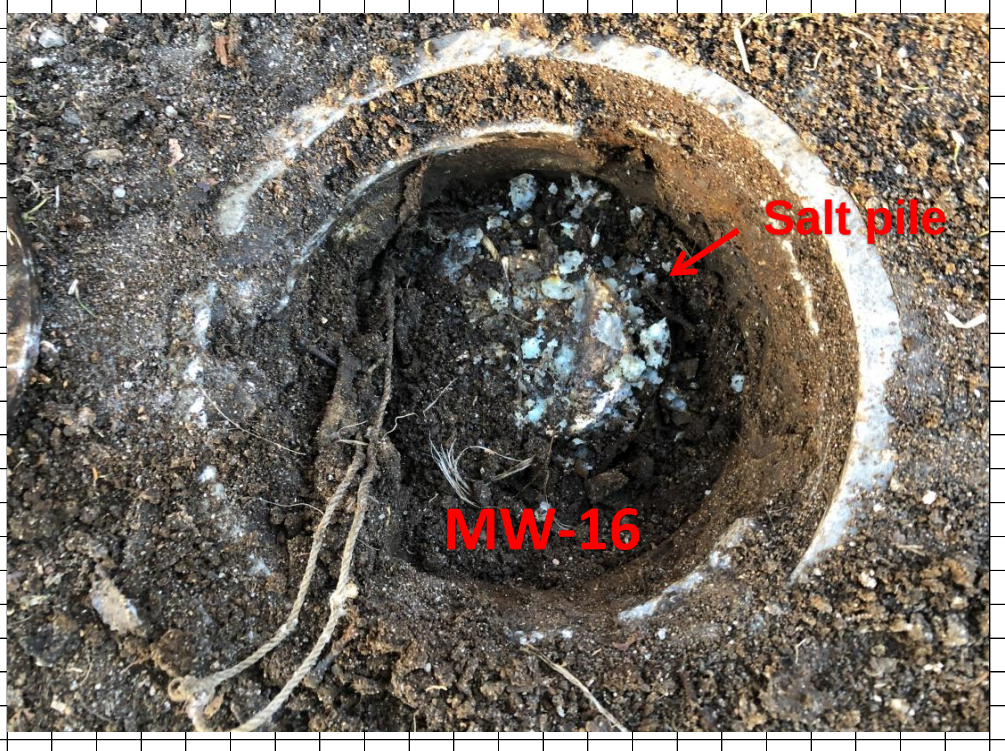
PARKED CARS, SOIL,SALT PILE

REMARKS:

TUBING IN WELL, PVC WELL CAP, SEWER ODOR IN WELL

MONITORING WELL INSPECTION LOG

SKETCH



MONITORING WELL INSPECTION LOG
SKETCH

SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR
DATE/TIME: 12/18/19 0800
Well ID.: MW-23S

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-23S

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... PID 0.2
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) ..... FLUSH
PROTECTIVE CASING MATERIAL TYPE: ..... STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 70.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 4.92
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: ..... STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE WELL I.D. UNDER THE CAP
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES ..... NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

END OF PERKAL STREET, EAST OF MW 23D

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

ON PAVEMENT

SURFACE SEAL CRACKED WITH OVER-GROWN GRASS

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

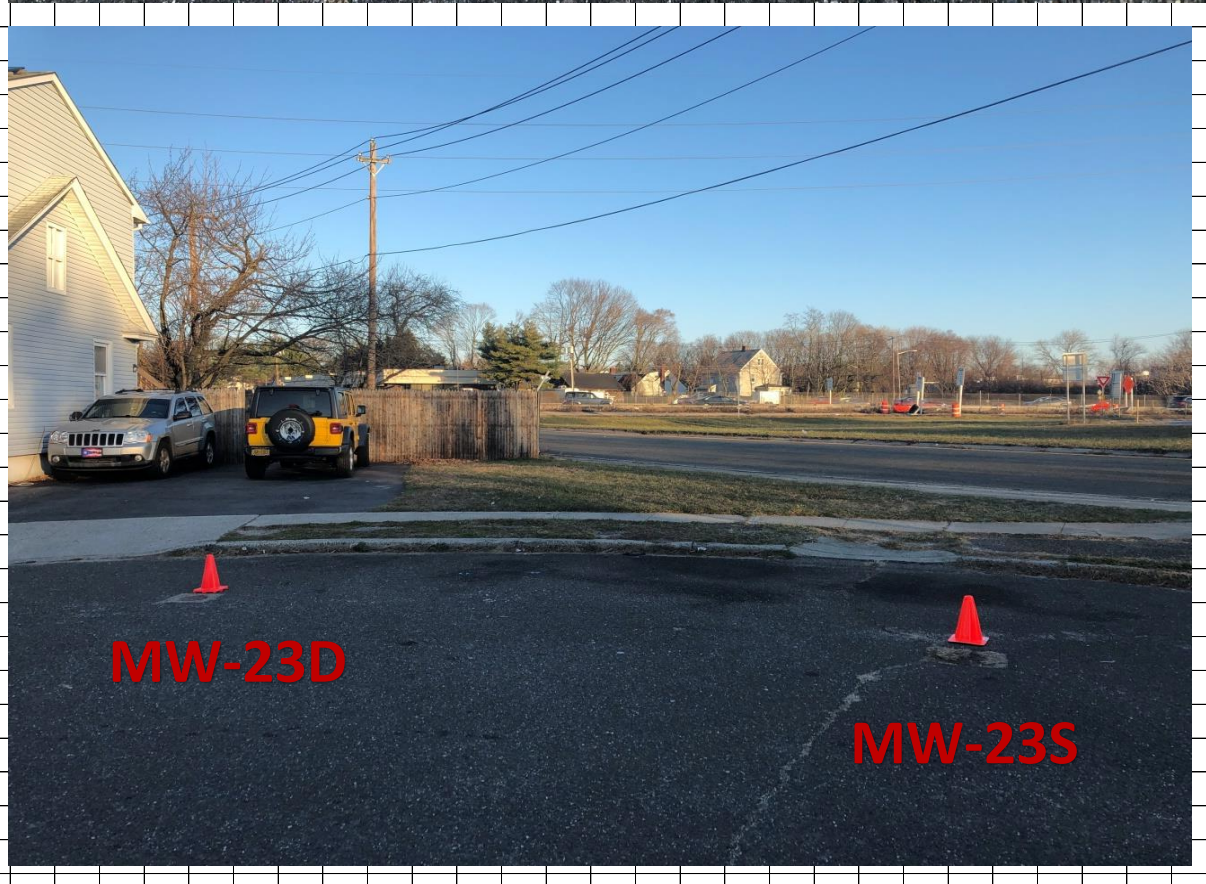
PARKED CARS

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **ServAll Laundry Site**

SITE ID.: 1-52-077
INSPECTOR: HL & PR

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 12/18/19 0805
Well ID.: MW-23D

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X _____ NYTM Y _____ See Report
PDOP Reading from Trimble pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-23D

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... PID 0.1
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) ..... FLUSH
PROTECTIVE CASING MATERIAL TYPE: ..... STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 88.45
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 4.95
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: ..... STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE WELL I.D. UNDER THE CAP
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES ..... NO OVERHEAD, UNDER UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

END OF PERKAL STREET, WEST OF MW 23S

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

WELL SET IN PAVEMENT

LID BOLTS NOT TIGHT, BOTH BOLT HOLES BROKEN

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

PARKED CARS

REMARKS:

TUBING IN WELL

MONITORING WELL INSPECTION LOG

SKETCH

Appendix B

Monitoring Well Sampling Forms

AECOM

WELL NO. MW-1

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/17/2019	DATE WELL COMPLETED: 12/17/2019
CLIENT: NYSDEC		HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 43.28 Gallons WELL TD: 89.70 ft PUMP INTAKE DEPTH: 84.70 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS: Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
0915	24.78	200							Static water level, PID = 1.6 ppm
0920	24.78	200	9.89	1150	10.78	6.22	253	7.0	Pump on at 45 psi, clean water
0925	24.78	200	10.43	1130	11.07	6.50	242	7.4	
0930	24.78	200	10.75	1120	11.35	6.66	238	4.0	
0935	24.78	200	10.76	1130	11.36	6.67	236	3.9	
0940	24.78	200	10.72	1140	11.03	6.68	235	3.7	
0945	24.78	200	10.76	1160	10.91	6.66	232	3.5	
0950	24.78	200	10.66	1190	11.25	6.59	230	2.2	
0955	24.78	200	10.72	1210	10.76	6.55	227	3.1	
1000	24.78	200	10.70	1220	10.58	6.54	222	3.0	
1005	24.78	200	10.78	1230	10.44	6.53	23.7	3.4	Collect sample MW-1

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-2

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/17/2019	DATE WELL COMPLETED: 12/17/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 9.85 Gallons WELL TD: 83.90 ft PUMP INTAKE DEPTH: 78.90 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1450	24.35	200							Static water PID = 0.5 ppm
1455	24.35	200	5.10	331	5.34	7.86	98	35.0	
1500	24.35	200	5.01	379	3.70	7.03	124	29.3	
1505	24.35	200	4.81	391	3.44	6.69	133	25.8	
1510	24.35	200	4.55	397	4.02	6.52	139	25.0	
1515	24.35	200	4.70	390	4.91	6.52	143	24.1	
1520	24.35	200	4.52	393	3.94	6.52	145	24.6	
1525	24.35	200	4.38	394	3.98	6.52	147	24.5	
1530	24.35	200	4.21	395	4.41	6.52	150	23.2	
1535	24.35	200	3.99	396	4.02	6.52	151	23.9	Collect Sample MW-2

Pump Type: QED Bladder Pump

Analytical Parameters: VOCs

AECOM

WELL NO. MW-3A

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/19/2019	DATE WELL COMPLETED: 12/19/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 14.88 Gallons WELL TD: 115.30 ft PUMP INTAKE DEPTH: 110.30 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1000	24.10	200							Static water level, PID = 0.0 ppm
1010	24.10	200	7.81	370	1.43	3.69	1	55.9	Pump on at 35 psi, turbid water
1020	24.10	200	11.69	370	0.97	6.68	2	52.6	
1030	24.10	200	12.87	563	0.90	6.67	8	43.7	
1040	24.10	200	13.05	795	0.46	6.46	-4	44.6	
1050	24.10	200	13.33	857	0.38	6.35	4	54.1	
1055	24.10	200	13.32	861	0.35	6.5	3	49.7	
1100	24.10	200	13.24	868	0.38	6.34	5	48.4	
1105	24.10	200	13.29	865	0.36	6.32	5	47.4	
1110	24.10	200	13.20	870	0.37	6.34	4	45.70	Collect sample MW-3A

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-3B

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF SHEETS: 1
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/17/2019	DATE WELL COMPLETED: 12/16/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 10.22 Gallons WELL TD: 86.40 ft PUMP INTAKE DEPTH: 81.40 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1220	23.75	200							Static water level, PID = 1.2 ppm
1225	23.75	200	11.81	727	6.1	5.77	29	22.1	Pump on at 35 psi, clean water
1230	23.75	200	12.06	780	5.94	5.87	28	18.0	
1235	23.75	200	12.05	801	6.01	5.87	29	17.7	
1240	23.75	200	12.02	807	6.03	5.87	30	18.1	
1245	23.75	200	11.90	825	6.27	5.88	33	19.7	
1250	23.75	200	11.52	806	6.42	5.689	33	21.1	Collect sample MW-3B

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-4

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/16/2019	DATE WELL COMPLETED: 12/16/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 9.77 Gallons WELL TD: 83.25 ft PUMP INTAKE DEPTH: 78.75 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1310	23.40	300							Static water level, PID = 0.0 ppm
1315	23.40	300	13.07	595	0.69	5.77	164	9.8	Pump on at 40 psi, clean water
1320	23.40	300	13.26	597	0.66	5.74	172	7.5	
1325	23.40	300	13.31	600	0.57	5.73	180	5.2	
1330	23.40	300	13.34	603	0.55	5.73	187	4.1	
1335	23.40	300	13.35	603	0.59	5.73	190	4.1	
1340	23.40	300	13.39	604	0.51	5.72	199	3.7	
1345	23.40	300	13.40	604	0.48	5.71	206	3.7	
1350	23.40	300	13.39	604	0.46	5.71	209	3.4	Collect sample MW-4

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-5

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF SHEETS: 1
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/16/2019	DATE WELL COMPLETED: 12/16/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 0.20 Gallons WELL TD: 26.75 ft PUMP INTAKE DEPTH: NA ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS: Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
830	25.55								Static water
									Unable to sample due to low water
									level (1.2ft of water in well)

Pump Type: QED Bladder Pump

Analytical Parameters: NA

AECOM

WELL NO. MW-6A

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/16/2019	DATE WELL COMPLETED: 12/16/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 0.72 Gallons WELL TD: 28.55 PUMP INTAKE DEPTH: 27.30 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1100	24.11	200							Static water level, PID = 0.0 ppm
1105	24.11	200	13.66	314	3.48	5.99	78	25.5	Pump on at 35 psi, clean water
1110	24.11	200	13.77	313	3.23	6.00	81	18.9	
1115	24.11	200	13.62	313	3.04	6.00	85	11.1	
1120	24.11	200	13.63	312	2.95	6.00	88	72.0	
1125	24.11	200	13.57	311	3.44	5.99	94	2.6	
1130	24.11	200	13.47	311	2.85	5.99	95	2.2	
1135	24.11	200	13.28	312	2.78	6.00	96	2.3	
1140	24.11	200	13.26	312	2.83	6.00	97	2.0	
1145	24.11	200	13.2	312	2.8	6.01	99	1.20	Collect sample MW-6A

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-6B

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF SHEETS: 1
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/16/2019	DATE WELL COMPLETED: 12/16/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 4.65 Gallons WELL TD: 59.70 ft PUMP INTAKE DEPTH: 53.00 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1140	23.95	200							Static water level, PID = 0.0 ppm
1145	23.95	200	13.69	439	2.64	5.70	231	48.0	Pump on at 35 psi, clean water
1150	23.95	200	13.67	442	2.29	5.68	233	41.9	
1155	23.95	200	13.63	440	2.27	5.66	233	36.0	
1200	23.95	200	13.18	440	2.37	5.69	233	34.4	
1205	23.95	200	13.69	438	2.31	5.64	237	31.4	
1210	23.95	200	13.73	438	2.17	5.63	238	27.0	
1215	23.95	200	13.73	437	2.36	5.64	238	25.1	
1220	23.95	200	13.72	438	2.34	5.59	243	16.3	
1225	23.95	200	13.73	437	2.39	5.60	243	20.70	
1230	23.95	200	13.73	438	2.37	5.58	244	20.30	
1235	23.95	200	13.75	438	2.09	5.58	243	18.60	
1245	23.95	200	13.78	438	1.95	5.56	244	19.30	Collect sample MW-6B

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-11

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/19/2019	DATE WELL COMPLETED: 12/19/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.25 Gallons WELL TD: 90.30 ft PUMP INTAKE DEPTH: 85.30 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1230	9.10	200							Static water level, PID=0.2ppm
1245	9.10	200	9.29	393	0.57	6.13	7	>1000	Pump on at 35 psi, turbid water
1255	9.10	200	7.78	390	0.59	6.12	4	217	
1305	9.10	200	10.92	390	0.44	6.05	3	219	
1310	9.10	200	11.38	412	0.84	6.05	13	103	
1315	9.10	200	11.07	425	0.45	6.07	18	96.7	
1320	9.10	200	11.30	432	0.43	6.07	29	65.7	
1325	9.10	200	11.26	437	0.31	6.07	31	44.7	Clean water
1330	9.10	200	11.29	436	0.30	6.07	33	41.4	
1335	9.10	200	11.29	436	0.28	6.08	35	29.6	
1340	9.10	200	11.30	436	0.3	6.08	33	32.5	
1345	9.10	200	11.32	435	0.29	6.08	33	33.4	
1350	9.10	200	11.34	436	0.28	6.07	36	30.2	
1355	9.10	200	11.34	436	0.28	6.07	34	32.6	
1400	9.10	200	11.39	437	0.28	6.09	33	29.8	Collect sample MW-11

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-12

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/18/2019	DATE WELL COMPLETED: 12/18/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 12.11 Gallons WELL TD: 90.50 ft PUMP INTAKE DEPTH: 85.50 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1255	16.30	200							Static water level, PID=0.1ppm
1300	16.30	200	10.29	340	1.18	5.95	143	3.7	Pump on at 35 psi, clear water
1305	16.30	200	9.90	340	1.08	5.81	153	3.4	
1310	16.30	200	9.68	340	0.94	5.75	166	3.1	
1315	16.30	200	8.95	339	0.81	5.72	188	2.3	
1320	16.30	200	9.06	339	0.87	5.70	201	2.2	
1325	16.30	200	9.17	340	0.71	5.69	206	2.5	
1330	16.30	200	9.14	341	0.68	5.69	208	3.6	
1335	16.30	200	8.85	341	0.64	5.70	210	2.3	
1340	16.30	200	8.88	340	0.63	5.68	211	4.6	Collect sample MW-12

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-13

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/18/2019	DATE WELL COMPLETED: 12/18/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.20 Gallons WELL TD: 97.55 ft PUMP INTAKE DEPTH: 92.55 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1440	16.65	200							Static water level, PID=0.3ppm
1510	16.30	200	9.30	472	1.38	6.09	172	4.9	Pump on at 35 psi, clear water
1515	16.30	200	9.13	474	0.79	6.10	171	4.2	
1520	16.30	200	9.00	475	0.71	6.09	171	3.2	
1525	16.30	200	8.65	476	0.69	6.1	172	2.3	
1530	16.30	200	8.25	479	0.84	6.11	172	0.1	Collect sample MW-13
									Collect sample MW-63
									Collect sample MW-13-MS
									Collect sample MW-13-MSD

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-14

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/18/2019	DATE WELL COMPLETED: 12/18/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 16.75 Gallons WELL TD: 91.60 ft PUMP INTAKE DEPTH: 86.60 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1455	16.75	200							Static water level, PID=0.3ppm
1610	16.75	200	9.53	545	0.83	6.55	63	17.0	Pump on at 35 psi, Turbid water
1615	16.75	200	9.13	549	0.82	6.54	67	17.1	
1620	16.75	200	8.56	537	1.00	6.56	69	17.8	
1625	16.75	200	8.60	542	1.30	6.57	76	19.5	
1630	16.75	200	8.60	541	1.20	6.56	74	19.2	
1635	16.75	200	8.60	549	1.29	6.55	76	20.6	
1640	16.75	200	8.33	541	1.30	6.56	74	23.4	
1645	16.75	200	8.39	551	1.36	6.55	79	22.9	Collect sample MW-12

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-16

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/19/2019	DATE WELL COMPLETED: 12/19/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.45 Gallons WELL TD: 93.70 ft PUMP INTAKE DEPTH: 88.70 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
1530	11.25	200							Static water level, PID=0.11ppm
1535	11.25	200	8.74	422	2.76	5.72	-57	24.0	Pump on at 35 psi, Clean water
1540	11.25	200	8.72	417	3.24	5.75	-51	15.6	Water has sewer odor
1545	11.25	200	8.76	417	3.11	5.75	-48	9.9	
1550	11.25	200	8.48	423	2.16	5.78	-52	7.7	
1555	11.25	200	8.30	428	2.56	5.76	-52	6.4	
1600	11.25	200	8.18	433	0.95	5.78	-61	6.1	
1605	11.25	200	8.13	433	0.86	5.77	-63	6.6	
1610	11.25	200	8.38	435	0.75	5.77	-67	8.0	
1615	11.25	200	8.33	429	0.89	5.77	-62	9.0	
1620	11.25	200	8.24	431	0.95	5.76	-59	9.2	Collect sample MW-16

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-23S

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/18/2019	DATE WELL COMPLETED: 12/18/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 10.67 Gallons WELL TD: 70.30 ft PUMP INTAKE DEPTH: 65.30 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
0920	4.92	200							Static Water level, PID=0.2ppm
0925	4.92	200	11.24	346	0.56	5.57	213	15.0	Pump on at 35 psi, Clear Water
0930	4.92	200	9.71	352	0.66	5.58	211	6.8	
0935	4.92	200	8.89	345	0.62	5.59	208	0.8	
0940	4.92	200	8.89	344	0.62	5.58	206	0.5	
0945	4.92	200	8.79	343	0.59	5.59	203	0.6	
0950	4.92	200	8.80	343	0.56	5.59	202	0.6	
0955	4.92	200	8.87	343	0.57	5.59	201	0.7	Collect sample MW-23S

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

AECOM

WELL NO. MW-23D

WELL SAMPLING FORM	PROJECT: ServAll Laundry Site (1-52-077)	PROJECT No.: 60277021	SHEET: 1 OF 1 SHEETS
LOCATION: 8 Drayton Avenue, Bay Shore, NY		DATE WELL STARTED: 12/18/2019	DATE WELL COMPLETED: 12/18/2019
CLIENT: NYSDEC		NAME OF INSPECTOR: HL & PR	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.63 Gallons WELL TD: 88.45 ft PUMP INTAKE DEPTH: 83.45 ft

Time	Depth to Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
0925	4.95	200							Static Water level, PID=0.1ppm
1025	4.95	200	10.90	201	3.58	5.99	188	143	Pump on at 35 psi, Turbid Water
1035	4.95	200	10.97	201	3.32	5.98	191	143	
1045	4.95	200	11.16	199	4.04	5.97	195	135	
1055	4.95	200	11.45	199	3.33	5.97	197	132	
1100	4.95	200	12.87	205	3.09	5.99	201	163	
1105	4.95	200	12.82	222	3.29	5.97	203	162	
1110	4.95	200	12.31	212	3.26	5.91	210	160	
1115	4.95	200	11.96	21	3.24	5.90	212	163	
1120	4.95	200	11.92	217	3.40	5.94	212	162	
1125	4.95	200	11.92	208	3.25	5.94	213	160	
1130	4.95	200	11.92	219	3.13	5.94	212	157	
1135	4.95	200	11.93	218	3.11	5.94	213	157	
1140	4.95	200	11.95	221	3.21	5.92	215	152	Collect sample MW-23D

Pump Type: QED Bladder Pump

Analytical Parameters: TCL VOCs

Appendix C

Site Inspection Form

AECOM

SITE INSPECTION FORM

ServAll Laundry Site
8 Drayton Avenue, Bay Shore, NY
NYSDEC Site ID # 1-52-077

Client: New York State Department of Environmental Conservation

Preparer's Name: Huibin Luo Date/Time: 12/17/19, 0800

Asphalt Cap

Has the condition of the asphalt degraded since the last inspecti	■ YES	☐ NO	☐ NA
Are any cracks visible in the asphalt pavement?	■ YES	☐ NO	☐ NA
Is there evidence of uneven settling and or ponding?	■ YES	☐ NO	☐ NA
Is there damage to any surface coverage?	■ YES	☐ NO	☐ NA

Fence

Are there any breaks in the property fence?	■ YES	☐ NO	☐ NA
Are there any damaged or bent posts?	■ YES	☐ NO	☐ NA

Site Condition

Is the building door padlocked?	☐ YES	■ NO	☐ NA
Is the rollup door secured?	■ YES	☐ NO	☐ NA
Is there any evidence of illegal disposal?	■ YES	☐ NO	☐ NA
Is there uncontrolled vegetation growth?	■ YES	☐ NO	☐ NA
Is there any evidence of unauthorized entry?	■ YES	☐ NO	☐ NA

If yes to any question above, provide additional information with photographic evidence below.

Inspector observed parked vehicles, disposal tuck, and excavator parked in front of the building site.

Inspector oberseved asphalt pavemement on the east side of the building was damaged.

Inspector oberseved the asphalt pavement on the south of the building is uneven and has shallow ponds after

Inspector observed the building door at the west face was bot locked indicating potential unauthorized entry.

Two homeless people walked out of the west door during site inspection.

Clothing material and domestic waste were observed in the building.

Photo showing front of site from Drayton Avenue:

Photo showing parked disposal truck and excavator in front of the site building:

Photo showing east of the site facing north (asphalt pavement damaged):

Photo showing parked cars at the south of the site facing west (pondings at uneven asphalt pavement):

Photo showing bent fence, and garbage disposal behind the site building:

Photo showing west side of the building facing north:

Photo showing broken fence at west perimeter of site facing northwest:

Photo showing the building door at the west of the building (no padlock,two people just walked out of the door and fled away toward Draton Avenue during site inspection):

Photo showing clothing material and other domestic waste inside the building:

Photo showing clothing material and other domestic waste inside the building:

Appendix D

Laboratory Data Packages

Hampton-Clarke
Analytical & Field Services

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Multi G: Servall

Client PO: 60277021 03.01

Report To: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge, NY 10977
Attn: Paul Kareth

Received Date: 12/20/2019

Report Date: 1/20/2020

Deliverables: NYDOH-CatA

Lab ID: AD14811

Lab Project No: 9122025

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

NELAP ACCREDITED TNI LABORATORY

Hampton-Clarke
Analytical & Field Services

THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 84

HC Case Narrative

Client: AECOM
Project: Multi G: Servall

HC Project: 9122025

Hampton-Clarke (HC) received the following samples on 12/13/19, 12/16/19, 12/17/19, 12/18/19, 12/19/19:

Client ID	HC Sample ID	Matrix	Analysis
MW-16	AD14811-001	Aqueous	Volatile Organics (8260C)
MW-23S	AD14811-002	Aqueous	Volatile Organics (8260C)
MW-23D	AD14811-003	Aqueous	Volatile Organics (8260C)
MW-2	AD14811-004	Aqueous	Volatile Organics (8260C)
TB-01	AD14811-005	Aqueous	Volatile Organics (8260C)
MW-13	AD14811-006	Aqueous	Volatile Organics (8260C)
MW-63	AD14811-007	Aqueous	Volatile Organics (8260C)
MW-13-MS	AD14811-008	Aqueous	Volatile Organics (8260C)
MW-13-MSD	AD14811-009	Aqueous	Volatile Organics (8260C)
MW-14	AD14811-010	Aqueous	Volatile Organics (8260C)
MW-12	AD14811-011	Aqueous	Volatile Organics (8260C)
MW-11	AD14811-012	Aqueous	Volatile Organics (8260C)
MW-3A	AD14811-013	Aqueous	Volatile Organics (8260C)
MW-3B	AD14811-014	Aqueous	Volatile Organics (8260C)
MW-4	AD14811-015	Aqueous	Volatile Organics (8260C)
MW-6A	AD14811-016	Aqueous	Volatile Organics (8260C)
MW-6B	AD14811-017	Aqueous	Volatile Organics (8260C)
MW-1	AD14811-018	Aqueous	Volatile Organics (8260C)
EB 121719	AD14811-019	Aqueous	Volatile Organics (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Sample AD14811-002 was initially run within hold at a high dilution, but needed to be reanalyzed at 1x dilution. Reanalysis was performed outside of the holding time.

The Method Blank Spike for batches 83265, 83286, 83271 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 83265 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batches 83267, 83286, 83278 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

2-Chloroethylvinylether did not recover in the Matrix Spike and Matrix Spike Duplicate in batches 83267, 83278 due to acid preservation of sample. 2-Chloroethylvinylether readily decomposes under acidic conditions. The recovery of 2-Chloroethylvinylether is within QC limits in the Laboratory Control Sample. Please refer to the applicable Form 3 for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

1/23/20
Date

9122025 0002

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 9122025
Page 1 of 2

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Customer Information

1a) Customer: AECOM
Address: 100 Red school House, STEB 1
Chestnut Ridge, NY 10977-6715
1b) Email/Cell/Fax/(Ph): 845-425-4980 ext 13
1c) Send Invoice to: Paul.Kareth@aecom.com
1d) Send Report to: Paul.Kareth@aecom.com

Project Information

2a) Project: D00444 5-14-1
Multi G: Servall
2b) Project Mgr: Paul Kareth
2c) Project Location (City/State): Bay Shore, NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	(NY ASP CatA)	[ ] Region 2 or 5
Other: Standard		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓
Batch #: AD14811

Matrix Codes
DW - Drinking Water, S - Soil, A - Air
GW - Ground Water, SL - Sludge
WW - Waste Water, OL - Oil
OT - Other (please specify under item 9, Comments)

===> Check If Contingent ===> | <=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	7) Analysis: TCL VOCs	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	MW-16	GW	12/19/19	1620		x	x					3				3-40 ml vials
002	MW-23S	GW	12/18/19	0955		x	x					3				↓
003	MW-23D	GW	12/18/19	1140		x	x					3				
004	MW-2	GW	12/17/19	1535		x	x					3				
005	TB-01	OT					x					3				
006	~~MW-13~~ MW-13	GW	12/18/19	1530		x	x					3				
007	MW-63	GW	12/18/19	1530		x	x					3				
008	MW-13-MS	GW	12/18/19	1530		x	x					3				
009	MW-13-MSD	GW	12/18/19	1530		x	x					3				
010	MW-14	GW	12/18/19	1645		x	x					3				

10) Relinquished by:	Accepted by:	Date	Time
[signature]	[signature]	12/20/19	11:11
	[signature]	12/20/19	13:20

11) Sampler (print name):   Date:

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
[ ] BN or BNA (8270D SIM)
[ ] VOC (8260C SIM or 8011)
[ ] SPLP (BN, BNA, Metals)
[ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
[ ] NJDEP GWQS
[ ] NJDEP SRS
[ ] NJDEP SPLP
[ ] Other (specify):

Check if applicable:
[ ] Project-Specific Reporting Limits
[ ] High Contaminant Concentrations
[ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.0

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ]   FSP#

9122025 0003

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 9122025

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	~~NY ASP CatA~~	[ ] Region 2 or 5
Other: Standard		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: AECOM
Address: 1x Red school House, SITE 1
Chestnut Ridge, NY 10977-6715
1b) Email/Cell/Fax/Ph: 845-425-4980 Ext 15
1c) Send Invoice to: Paul.Raveth@aecom.com
1d) Send Report to: Paul.Raveth@aecom.com

Project Information

2a) Project: D00444 5-147
Multi G: Servall
2b) Project Mgr: Paul Raveth
2c) Project Location (City/State): Bay Shore, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AD14811

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	MW-12	GW	12/18/19	1340		X	X					3				3-40ml vials
012	MW-11	GW	12/19/19	1400		X	X					3				
013	MW-3A	GW	12/19/19	1110		X	X					3				
014	MW-3B	GW	12/17/19	1250		X	X					3				
015	MW-4	GW	12/16/19	1350		X	X					3				
016	MW-6A	GW	12/16/19	1145		X	X					3				
017	MW-6B	GW	12/16/19	1245		X	X					3				
018	MW-1	GW	12/17/19	1005		X	X					3				
019	EB121719	OT	12/17/19	0930		X	X					3				

10) Relinquished by:	Accepted by:	Date	Time
Hubinlaw / FedEx		12/20/19	11:11
		12/20/19	13:20

11) Sampler (print name): Date:

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2-0

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD14811 Entered By: Ricardo

Date Entered 12/20/2019 2:08:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T-461	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.0
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify TB12/13
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AD14811 Entered By: Ricardo

Date Entered 12/20/2019 2:10:00 PM

Lab#	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD14811-001	40ML	G	VO	HCL	299504	1	HC998032
AD14811-002	40ML	G	VO	HCL	299504	1	HC998032
AD14811-003	40ML	G	VO	HCL	299504	1	HC998032
AD14811-004	40ML	G	VO	HCL	299504	1	HC998032
AD14811-005	40ML	G	VO	HCL	299504	1	HC998032
AD14811-006	40ML	G	VO	HCL	299504	1	HC998032
AD14811-007	40ML	G	VO	HCL	299504	1	HC998032
AD14811-008	40ML	G	VO	HCL	299504	1	HC998032
AD14811-009	40ML	G	VO	HCL	299504	1	HC998032
AD14811-010	40ML	G	VO	HCL	299504	1	HC998032
AD14811-011	40ML	G	VO	HCL	299504	1	HC998032
AD14811-012	40ML	G	VO	HCL	299504	1	HC998032
AD14811-013	40ML	G	VO	HCL	299504	1	HC998032
AD14811-014	40ML	G	VO	HCL	299504	1	HC998032
AD14811-015	40ML	G	VO	HCL	299504	1	HC998032
AD14811-016	40ML	G	VO	HCL	299504	1	HC998032
AD14811-017	40ML	G	VO	HCL	299504	1	HC998032
AD14811-018	40ML	G	VO	HCL	299504	1	HC998032
AD14811-019	40ML	G	VO	HCL	299504	1	HC998032

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD14811-001	12/20/19 13:20	RICAR	0	M	Received
AD14811-001	12/20/19 14:06	RICAR	0	M	Login
AD14811-001	12/23/19 10:42	R31P	1	A	NONE
AD14811-001	12/23/19 10:44	R31	2	A	NONE
AD14811-001	12/23/19 10:44	R31	3	A	NONE
AD14811-001	12/31/19 13:49	SG	3	A	VOA
AD14811-002	12/20/19 13:20	RICAR	0	M	Received
AD14811-002	12/20/19 14:06	RICAR	0	M	Login
AD14811-002	12/23/19 10:42	R31P	1	A	NONE
AD14811-002	01/02/20 07:55	BK	2	A	VOA
AD14811-002	12/23/19 10:44	R31	2	A	NONE
AD14811-002	12/23/19 10:44	R31	3	A	NONE
AD14811-002	12/31/19 13:49	SG	3	A	VOA
AD14811-003	12/20/19 13:20	RICAR	0	M	Received
AD14811-003	12/20/19 14:06	RICAR	0	M	Login
AD14811-003	12/23/19 10:42	R31P	1	A	NONE
AD14811-003	12/23/19 10:44	R31	2	A	NONE
AD14811-003	12/31/19 13:49	SG	2	A	VOA
AD14811-003	12/23/19 10:44	R31	3	A	NONE
AD14811-004	12/20/19 13:20	RICAR	0	M	Received
AD14811-004	12/20/19 14:06	RICAR	0	M	Login
AD14811-004	12/23/19 10:42	R31P	1	A	NONE
AD14811-004	12/23/19 10:44	R31	2	A	NONE
AD14811-004	12/23/19 10:44	R31	3	A	NONE
AD14811-005	12/20/19 13:20	RICAR	0	M	Received
AD14811-005	12/20/19 14:06	RICAR	0	M	Login
AD14811-005	12/23/19 10:42	R31P	1	A	NONE
AD14811-005	12/23/19 10:44	R31	2	A	NONE
AD14811-005	12/27/19 15:31	SG	2	A	VOA
AD14811-005	12/23/19 10:44	R31	3	A	NONE
AD14811-006	12/20/19 13:20	RICAR	0	M	Received
AD14811-006	12/20/19 14:06	RICAR	0	M	Login
AD14811-006	12/23/19 10:42	R31P	1	A	NONE
AD14811-006	12/23/19 10:44	R31	2	A	NONE
AD14811-006	12/23/19 10:44	R31	3	A	NONE
AD14811-007	12/20/19 13:20	RICAR	0	M	Received
AD14811-007	12/20/19 14:06	RICAR	0	M	Login
AD14811-007	12/23/19 10:42	R31P	1	A	NONE
AD14811-007	12/23/19 10:44	R31	2	A	NONE
AD14811-007	12/31/19 13:49	SG	2	A	VOA
AD14811-007	12/23/19 10:44	R31	3	A	NONE
AD14811-008	12/20/19 13:20	RICAR	0	M	Received
AD14811-008	12/20/19 14:06	RICAR	0	M	Login
AD14811-008	12/23/19 10:42	R31P	1	A	NONE
AD14811-008	12/23/19 10:44	R31	2	A	NONE
AD14811-008	12/23/19 10:44	R31	3	A	NONE
AD14811-009	12/20/19 13:20	RICAR	0	M	Received
AD14811-009	12/20/19 14:06	RICAR	0	M	Login
AD14811-009	12/23/19 10:42	R31P	1	A	NONE
AD14811-009	12/23/19 10:44	R31	2	A	NONE
AD14811-009	12/23/19 10:44	R31	3	A	NONE
AD14811-010	12/20/19 13:20	RICAR	0	M	Received
AD14811-010	12/20/19 14:06	RICAR	0	M	Login
AD14811-010	12/23/19 10:42	R31P	1	A	NONE
AD14811-010	12/23/19 10:44	R31	2	A	NONE
AD14811-010	12/31/19 13:49	SG	2	A	VOA
AD14811-010	12/23/19 10:44	R31	3	A	NONE
AD14811-011	12/20/19 13:20	RICAR	0	M	Received
AD14811-011	12/20/19 14:06	RICAR	0	M	Login
AD14811-011	12/23/19 10:42	R31P	1	A	NONE
AD14811-011	12/23/19 10:44	R31	2	A	NONE
AD14811-011	12/23/19 10:44	R31	3	A	NONE
AD14811-011	12/31/19 13:49	SG	3	A	VOA
AD14811-012	12/20/19 13:20	RICAR	0	M	Received
AD14811-012	12/20/19 14:06	RICAR	0	M	Login
AD14811-012	12/23/19 10:42	R31P	1	A	NONE
AD14811-012	12/23/19 10:44	R31	2	A	NONE
AD14811-012	12/23/19 10:44	R31	3	A	NONE
AD14811-012	12/31/19 13:49	SG	3	A	VOA
AD14811-013	12/20/19 13:20	RICAR	0	M	Received
AD14811-013	12/20/19 14:06	RICAR	0	M	Login
AD14811-013	12/23/19 10:42	R31P	1	A	NONE
AD14811-013	12/23/19 10:44	R31	2	A	NONE
AD14811-013	12/31/19 13:49	SG	2	A	VOA
AD14811-013	12/23/19 10:44	R31	3	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD14811-014	12/20/19 13:20	RICAR	0	M	Received
AD14811-014	12/20/19 14:06	RICAR	0	M	Login
AD14811-014	12/23/19 10:42	R31P	1	A	NONE
AD14811-014	12/23/19 10:44	R31	2	A	NONE
AD14811-014	12/23/19 10:44	R31	3	A	NONE
AD14811-014	12/30/19 11:21	SG	3	A	VOA
AD14811-015	12/20/19 13:20	RICAR	0	M	Received
AD14811-015	12/20/19 14:06	RICAR	0	M	Login
AD14811-015	12/23/19 10:42	R31P	1	A	NONE
AD14811-015	12/23/19 10:44	R31	2	A	NONE
AD14811-015	12/23/19 10:44	R31	3	A	NONE
AD14811-015	12/30/19 11:21	SG	3	A	VOA
AD14811-016	12/20/19 13:20	RICAR	0	M	Received
AD14811-016	12/20/19 14:06	RICAR	0	M	Login
AD14811-016	12/23/19 10:42	R31P	1	A	NONE
AD14811-016	12/23/19 10:44	R31	2	A	NONE
AD14811-016	12/23/19 10:44	R31	3	A	NONE
AD14811-016	12/30/19 11:21	SG	3	A	VOA
AD14811-017	12/20/19 13:20	RICAR	0	M	Received
AD14811-017	12/20/19 14:06	RICAR	0	M	Login
AD14811-017	12/23/19 10:42	R31P	1	A	NONE
AD14811-017	12/23/19 10:44	R31	2	A	NONE
AD14811-017	12/23/19 10:44	R31	3	A	NONE
AD14811-017	12/30/19 11:21	SG	3	A	VOA
AD14811-018	12/20/19 13:20	RICAR	0	M	Received
AD14811-018	12/20/19 14:06	RICAR	0	M	Login
AD14811-018	12/23/19 10:42	R31P	1	A	NONE
AD14811-018	12/23/19 10:44	R31	2	A	NONE
AD14811-018	12/23/19 10:44	R31	3	A	NONE
AD14811-018	12/30/19 11:21	SG	3	A	VOA
AD14811-019	12/20/19 13:20	RICAR	0	M	Received
AD14811-019	12/20/19 14:06	RICAR	0	M	Login
AD14811-019	12/23/19 10:42	R31P	1	A	NONE
AD14811-019	12/23/19 10:44	R31	2	A	NONE
AD14811-019	12/23/19 10:44	R31	3	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Laboratory Chronicle

Client: AECOM
Project: Multi G: Servall

HC Project #: 9122025

Lab#: AD14811-001 **Sample ID: MW-16**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 17:44	BK

Lab#: AD14811-002 **Sample ID: MW-23S**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	1/2/20 10:16	BK

Lab#: AD14811-003 **Sample ID: MW-23D**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 16:19	BK

Lab#: AD14811-004 **Sample ID: MW-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 18:19	SG

Lab#: AD14811-005 **Sample ID: TB-01**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/27/19 22:51	SG

Lab#: AD14811-006 **Sample ID: MW-13**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 17:58	SG

Laboratory Chronicle

Client: AECOM
Project: Multi G: Servall

HC Project #: 9122025

Lab#: AD14811-007 **Sample ID: MW-63**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 16:40	BK

Lab#: AD14811-008 **Sample ID: MW-13-MS**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 16:54	SG

Lab#: AD14811-009 **Sample ID: MW-13-MSD**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 17:15	SG

Lab#: AD14811-010 **Sample ID: MW-14**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 17:01	BK

Lab#: AD14811-011 **Sample ID: MW-12**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 17:23	BK

Lab#: AD14811-012 **Sample ID: MW-11**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 18:05	BK

Laboratory Chronicle

Client: AECOM
Project: Multi G: Servall

HC Project #: 9122025

Lab#: AD14811-013 **Sample ID: MW-3A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/31/19 18:26	BK

Lab#: AD14811-014 **Sample ID: MW-3B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 11:51	SG

Lab#: AD14811-015 **Sample ID: MW-4**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 12:13	SG

Lab#: AD14811-016 **Sample ID: MW-6A**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 16:12	SG

Lab#: AD14811-017 **Sample ID: MW-6B**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 12:34	SG

Lab#: AD14811-018 **Sample ID: MW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 12:55	SG

Laboratory Chronicle

Client: AECOM
Project: Multi G: Servall

HC Project #: 9122025

Lab#: AD14811-019 **Sample ID: EB 121719**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260C	12/30/19 11:30	SG

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: AECOM **HC Project #:** 9122025

Project: Multi G: Servall

Sample ID: MW-16 **Collection Date:** 12/19/2019
Lab#: AD14811-001 **Receipt Date:** 12/20/2019
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.1**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**3.4**
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**13**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: MW-16 **Collection Date:** 12/19/2019
Lab#: AD14811-001 **Receipt Date:** 12/20/2019
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.2**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-23S
Lab#: AD14811-002
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	0.50	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**3.2**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**2.6**
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**100**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.7**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-23D
Lab#: AD14811-003
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**3.2**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**70**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.5**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-2 **Collection Date:** 12/17/2019
Lab#: AD14811-004 **Receipt Date:** 12/20/2019
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB-01
Lab#: AD14811-005
Matrix: Aqueous

Collection Date: 12/13/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-13
Lab#: AD14811-006
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-63
Lab#: AD14811-007
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-13-MS
Lab#: AD14811-008
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	23
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	24
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	24
1,1,2-Trichloroethane	1	ug/l	1.0	23
1,1-Dichloroethane	1	ug/l	1.0	24
1,1-Dichloroethene	1	ug/l	1.0	25
1,2,3-Trichlorobenzene	1	ug/l	1.0	21
1,2,4-Trichlorobenzene	1	ug/l	1.0	22
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	26
1,2-Dibromoethane	1	ug/l	1.0	23
1,2-Dichlorobenzene	1	ug/l	1.0	22
1,2-Dichloroethane	1	ug/l	0.50	22
1,2-Dichloropropane	1	ug/l	1.0	23
1,3-Dichlorobenzene	1	ug/l	1.0	23
1,4-Dichlorobenzene	1	ug/l	1.0	23
1,4-Dioxane	1	ug/l	50	1100
2-Butanone	1	ug/l	1.0	21
2-Hexanone	1	ug/l	1.0	25
4-Methyl-2-pentanone	1	ug/l	1.0	25
Acetone	1	ug/l	5.0	120
Benzene	1	ug/l	0.50	22
Bromochloromethane	1	ug/l	1.0	26
Bromodichloromethane	1	ug/l	1.0	22
Bromoform	1	ug/l	1.0	22
Bromomethane	1	ug/l	1.0	16
Carbon disulfide	1	ug/l	1.0	23
Carbon tetrachloride	1	ug/l	1.0	23
Chlorobenzene	1	ug/l	1.0	23
Chloroethane	1	ug/l	1.0	22
Chloroform	1	ug/l	1.0	22
Chloromethane	1	ug/l	1.0	20
cis-1,2-Dichloroethene	1	ug/l	1.0	23
cis-1,3-Dichloropropene	1	ug/l	1.0	22
Cyclohexane	1	ug/l	1.0	25
Dibromochloromethane	1	ug/l	1.0	23
Dichlorodifluoromethane	1	ug/l	1.0	17
Ethylbenzene	1	ug/l	1.0	22
Isopropylbenzene	1	ug/l	1.0	23
m&p-Xylenes	1	ug/l	1.0	47
Methyl Acetate	1	ug/l	1.0	22
Methylcyclohexane	1	ug/l	1.0	23
Methylene chloride	1	ug/l	1.0	21
Methyl-t-butyl ether	1	ug/l	0.50	20
o-Xylene	1	ug/l	1.0	23
Styrene	1	ug/l	1.0	23
Tetrachloroethene	1	ug/l	1.0	24
Toluene	1	ug/l	1.0	23
trans-1,2-Dichloroethene	1	ug/l	1.0	21
trans-1,3-Dichloropropene	1	ug/l	1.0	22
Trichloroethene	1	ug/l	1.0	21
Trichlorofluoromethane	1	ug/l	1.0	24
Vinyl chloride	1	ug/l	1.0	23
Xylenes (Total)	1	ug/l	1.0	70

Sample ID: MW-13-MSD
Lab#: AD14811-009
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	20
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	22
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	21
1,1,2-Trichloroethane	1	ug/l	1.0	21
1,1-Dichloroethane	1	ug/l	1.0	21
1,1-Dichloroethene	1	ug/l	1.0	22
1,2,3-Trichlorobenzene	1	ug/l	1.0	21
1,2,4-Trichlorobenzene	1	ug/l	1.0	21
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	24
1,2-Dibromoethane	1	ug/l	1.0	21
1,2-Dichlorobenzene	1	ug/l	1.0	21
1,2-Dichloroethane	1	ug/l	0.50	20
1,2-Dichloropropane	1	ug/l	1.0	21
1,3-Dichlorobenzene	1	ug/l	1.0	21
1,4-Dichlorobenzene	1	ug/l	1.0	21
1,4-Dioxane	1	ug/l	50	1100
2-Butanone	1	ug/l	1.0	19
2-Hexanone	1	ug/l	1.0	23
4-Methyl-2-pentanone	1	ug/l	1.0	23
Acetone	1	ug/l	5.0	120
Benzene	1	ug/l	0.50	20
Bromochloromethane	1	ug/l	1.0	23
Bromodichloromethane	1	ug/l	1.0	20
Bromoform	1	ug/l	1.0	20
Bromomethane	1	ug/l	1.0	16
Carbon disulfide	1	ug/l	1.0	20
Carbon tetrachloride	1	ug/l	1.0	21
Chlorobenzene	1	ug/l	1.0	20
Chloroethane	1	ug/l	1.0	20
Chloroform	1	ug/l	1.0	20
Chloromethane	1	ug/l	1.0	17
cis-1,2-Dichloroethene	1	ug/l	1.0	21
cis-1,3-Dichloropropene	1	ug/l	1.0	20
Cyclohexane	1	ug/l	1.0	22
Dibromochloromethane	1	ug/l	1.0	21
Dichlorodifluoromethane	1	ug/l	1.0	15
Ethylbenzene	1	ug/l	1.0	20
Isopropylbenzene	1	ug/l	1.0	21
m&p-Xylenes	1	ug/l	1.0	43
Methyl Acetate	1	ug/l	1.0	20
Methylcyclohexane	1	ug/l	1.0	20
Methylene chloride	1	ug/l	1.0	19
Methyl-t-butyl ether	1	ug/l	0.50	19
o-Xylene	1	ug/l	1.0	21
Styrene	1	ug/l	1.0	21
Tetrachloroethene	1	ug/l	1.0	21
Toluene	1	ug/l	1.0	21
trans-1,2-Dichloroethene	1	ug/l	1.0	19
trans-1,3-Dichloropropene	1	ug/l	1.0	20
Trichloroethene	1	ug/l	1.0	19
Trichlorofluoromethane	1	ug/l	1.0	22
Vinyl chloride	1	ug/l	1.0	21
Xylenes (Total)	1	ug/l	1.0	64

Sample ID: MW-14
Lab#: AD14811-010
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-12
Lab#: AD14811-011
Matrix: Aqueous

Collection Date: 12/18/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**5.1**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-11
Lab#: AD14811-012
Matrix: Aqueous

Collection Date: 12/19/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**6.8**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**1.4**
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**29**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.5**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-3A
Lab#: AD14811-013
Matrix: Aqueous

Collection Date: 12/19/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-3B
Lab#: AD14811-014
Matrix: Aqueous

Collection Date: 12/17/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**66**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-4
Lab#: AD14811-015
Matrix: Aqueous

Collection Date: 12/16/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-6A
Lab#: AD14811-016
Matrix: Aqueous

Collection Date: 12/16/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	5	ug/l	5.0	ND
1,1,2,2-Tetrachloroethane	5	ug/l	5.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ug/l	5.0	ND
1,1,2-Trichloroethane	5	ug/l	5.0	ND
1,1-Dichloroethane	5	ug/l	5.0	ND
1,1-Dichloroethene	5	ug/l	5.0	ND
1,2,3-Trichlorobenzene	5	ug/l	5.0	ND
1,2,4-Trichlorobenzene	5	ug/l	5.0	ND
1,2-Dibromo-3-chloropropane	5	ug/l	5.0	ND
1,2-Dibromoethane	5	ug/l	5.0	ND
1,2-Dichlorobenzene	5	ug/l	5.0	ND
1,2-Dichloroethane	5	ug/l	2.5	ND
1,2-Dichloropropane	5	ug/l	5.0	ND
1,3-Dichlorobenzene	5	ug/l	5.0	ND
1,4-Dichlorobenzene	5	ug/l	5.0	ND
1,4-Dioxane	5	ug/l	250	ND
2-Butanone	5	ug/l	5.0	ND
2-Hexanone	5	ug/l	5.0	ND
4-Methyl-2-pentanone	5	ug/l	5.0	ND
Acetone	5	ug/l	25	ND
Benzene	5	ug/l	2.5	ND
Bromochloromethane	5	ug/l	5.0	ND
Bromodichloromethane	5	ug/l	5.0	ND
Bromoform	5	ug/l	5.0	ND
Bromomethane	5	ug/l	5.0	ND
Carbon disulfide	5	ug/l	5.0	ND
Carbon tetrachloride	5	ug/l	5.0	ND
Chlorobenzene	5	ug/l	5.0	ND
Chloroethane	5	ug/l	5.0	ND
Chloroform	5	ug/l	2.5	ND
Chloromethane	5	ug/l	5.0	ND
cis-1,2-Dichloroethene	**5**	**ug/l**	**5.0**	**120**
cis-1,3-Dichloropropene	5	ug/l	5.0	ND
Cyclohexane	5	ug/l	5.0	ND
Dibromochloromethane	5	ug/l	5.0	ND
Dichlorodifluoromethane	5	ug/l	5.0	ND
Ethylbenzene	5	ug/l	5.0	ND
Isopropylbenzene	5	ug/l	5.0	ND
m&p-Xylenes	5	ug/l	5.0	ND
Methyl Acetate	5	ug/l	5.0	ND
Methylcyclohexane	5	ug/l	5.0	ND
Methylene chloride	5	ug/l	5.0	ND
Methyl-t-butyl ether	5	ug/l	2.5	ND
o-Xylene	5	ug/l	5.0	ND
Styrene	5	ug/l	5.0	ND
Tetrachloroethene	**5**	**ug/l**	**5.0**	**1200**
Toluene	5	ug/l	5.0	ND
trans-1,2-Dichloroethene	5	ug/l	5.0	ND
trans-1,3-Dichloropropene	5	ug/l	5.0	ND
Trichloroethene	**5**	**ug/l**	**5.0**	**17**
Trichlorofluoromethane	5	ug/l	5.0	ND
Vinyl chloride	5	ug/l	5.0	ND
Xylenes (Total)	5	ug/l	5.0	ND

Sample ID: MW-6B
Lab#: AD14811-017
Matrix: Aqueous

Collection Date: 12/16/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**2.6**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: MW-1 **Collection Date:** 12/17/2019
Lab#: AD14811-018 **Receipt Date:** 12/20/2019
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**3.8**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: EB 121719
Lab#: AD14811-019
Matrix: Aqueous

Collection Date: 12/17/2019
Receipt Date: 12/20/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M74726.D
Analysis Date: 01/02/20 07:12
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M128727.D
Analysis Date: 12/27/19 20:44
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M128817.D
Analysis Date: 12/30/19 09:43
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M128889.D
Analysis Date: 12/31/19 13:28
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-001
Client Id: MW-16
Data File: 1M128901.D
Analysis Date: 12/31/19 17:44
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**4.1**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.50**	**3.4**
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**13**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**2.2**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-002(100X)
Client Id: MW-23S
Data File: 1M128896.D
Analysis Date: 12/31/19 15:57
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 100
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	100	U	56-23-5	Carbon Tetrachloride	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U	108-90-7	Chlorobenzene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	100	U	75-00-3	Chloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U	67-66-3	Chloroform	100	U
75-34-3	1,1-Dichloroethane	100	U	74-87-3	Chloromethane	100	U
75-35-4	1,1-Dichloroethene	100	U	156-59-2	cis-1,2-Dichloroethene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U	10061-01-5	cis-1,3-Dichloropropene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U	110-82-7	Cyclohexane	100	U
96-12-8	1,2-Dibromo-3-Chloropropa	100	U	124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U	75-71-8	Dichlorodifluoromethane	100	U
95-50-1	1,2-Dichlorobenzene	100	U	100-41-4	Ethylbenzene	100	U
107-06-2	1,2-Dichloroethane	50	U	98-82-8	Isopropylbenzene	100	U
78-87-5	1,2-Dichloropropane	100	U	79601-23-1	m&p-Xylenes	100	U
541-73-1	1,3-Dichlorobenzene	100	U	79-20-9	Methyl Acetate	100	U
106-46-7	1,4-Dichlorobenzene	100	U	108-87-2	Methylcyclohexane	100	U
123-91-1	1,4-Dioxane	5000	U	75-09-2	Methylene Chloride	100	U
78-93-3	2-Butanone	100	U	1634-04-4	Methyl-t-butyl ether	50	U
591-78-6	2-Hexanone	100	U	95-47-6	o-Xylene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U	100-42-5	Styrene	100	U
67-64-1	Acetone	500	U	**127-18-4**	**Tetrachloroethene**	**100**	**130**
71-43-2	Benzene	50	U	108-88-3	Toluene	100	U
74-97-5	Bromochloromethane	100	U	156-60-5	trans-1,2-Dichloroethene	100	U
75-27-4	Bromodichloromethane	100	U	10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U	79-01-6	Trichloroethene	100	U
74-83-9	Bromomethane	100	U	75-69-4	Trichlorofluoromethane	100	U
75-15-0	Carbon Disulfide	100	U	75-01-4	Vinyl Chloride	100	U
1330-20-7	Xylenes (Total)	100	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

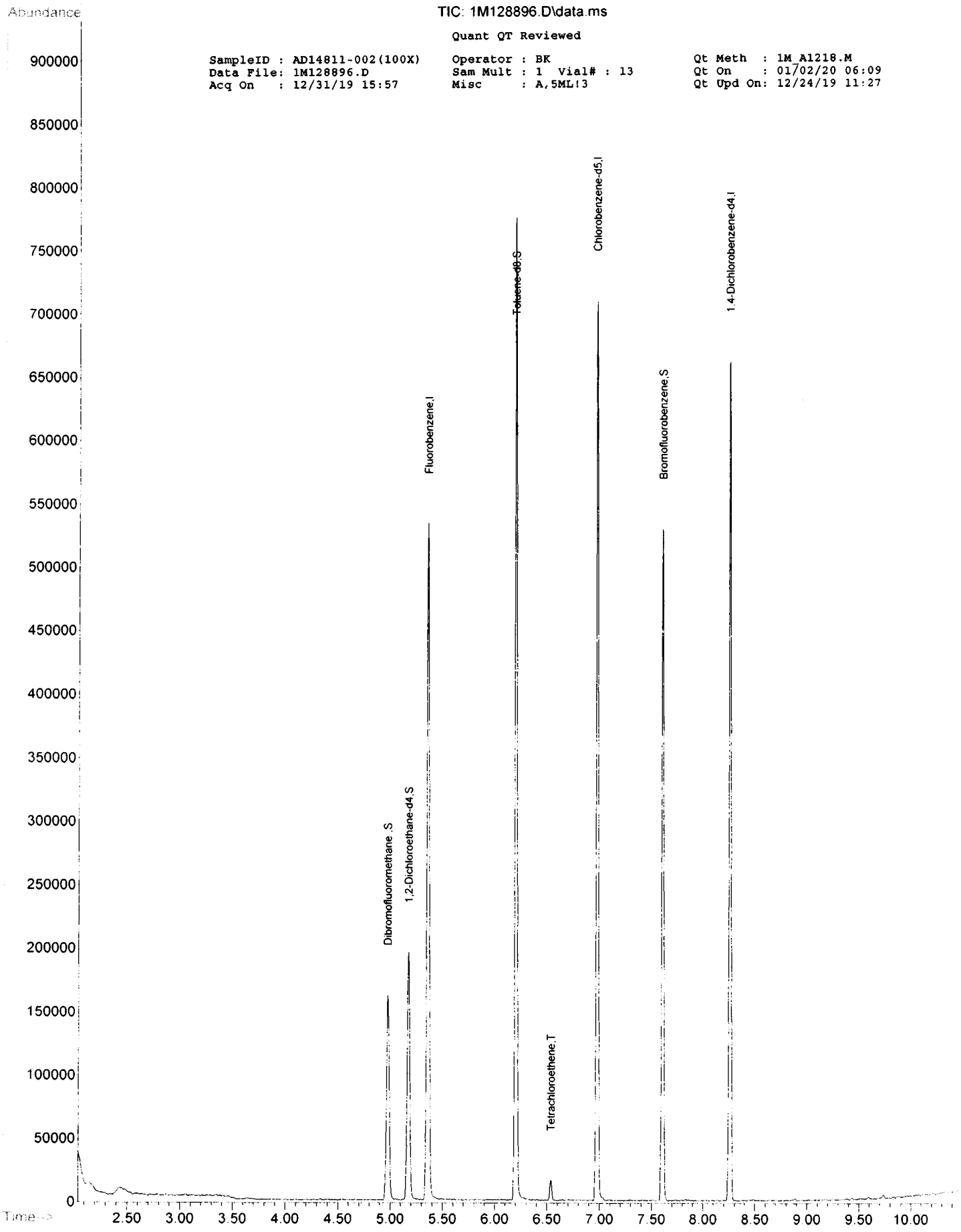
Quantitation Report (QT Reviewed)

Sample ID : AD14811-002(100X) Operator : BK Qt Meth : 1M_A1218.M
Data File: 1M128896.D Sam Mult : 1 Vial# : 13 Qt On : 01/02/20 06:09
Acq On : 12/31/19 15:57 Misc : A,5ML!3 Qt Upd On: 12/24/19 11:27

Data Path : G:\GcMsData\2019\GCMS_1\Data\12-3119\
Qt Path : G:\GcMsData\2019\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.362	96	356461	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.979	117	251843	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.259	152	114074	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.976	111	91276	30.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.70%			
39) 1,2-Dichloroethane-d4	5.175	67	58805	31.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.80%			
66) Toluene-d8	6.204	98	350713	31.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.03%			
76) Bromofluorobenzene	7.606	174	89243	29.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.80%			
Target Compounds						Qvalue
65) Tetrachloroethene	6.539	164	2473	1.3035	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M128896.D\data.ms
Quant QT Reviewed
SampleID : AD14811-002(100X)
Data File: 1M128896.D
Acq On : 12/31/19 15:57
Operator : BK
Sam Mult : 1 Vial# : 13
Misc : A,5ML!3
Qt Meth : 1M_A1218.M
Qt On : 01/02/20 06:09
Qt Upd On: 12/24/19 11:27
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
10.00

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-002
Client Id: MW-23S
Data File: 11M74734.D
Analysis Date: 01/02/20 10:16
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**3.2**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.50**	**2.6**
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**100**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**2.7**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-003
Client Id: MW-23D
Data File: 1M128897.D
Analysis Date: 12/31/19 16:19
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**3.2**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**70**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**1.5**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-004
Client Id: MW-2
Data File: 1M128842.D
Analysis Date: 12/30/19 18:19
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-005
Client Id: TB-01
Data File: 1M128733.D
Analysis Date: 12/27/19 22:51
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-006
Client Id: MW-13
Data File: 1M128841.D
Analysis Date: 12/30/19 17:58
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (C) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-007
Client Id: MW-63
Data File: 1M128898.D
Analysis Date: 12/31/19 16:40
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-008(MS:AD14
Client Id: MW-13-MS
Data File: 1M128838.D
Analysis Date: 12/30/19 16:54
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	23	56-23-5	Carbon Tetrachloride	1.0	23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	24	108-90-7	Chlorobenzene	1.0	23
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	24	75-00-3	Chloroethane	1.0	22
79-00-5	1,1,2-Trichloroethane	1.0	23	67-66-3	Chloroform	1.0	22
75-34-3	1,1-Dichloroethane	1.0	24	74-87-3	Chloromethane	1.0	20
75-35-4	1,1-Dichloroethene	1.0	25	156-59-2	cis-1,2-Dichloroethene	1.0	23
87-61-6	1,2,3-Trichlorobenzene	1.0	21	10061-01-5	cis-1,3-Dichloropropene	1.0	22
120-82-1	1,2,4-Trichlorobenzene	1.0	22	110-82-7	Cyclohexane	1.0	25
96-12-8	1,2-Dibromo-3-Chloroprop	1.0	26	124-48-1	Dibromochloromethane	1.0	23
106-93-4	1,2-Dibromoethane	1.0	23	75-71-8	Dichlorodifluoromethane	1.0	17
95-50-1	1,2-Dichlorobenzene	1.0	22	100-41-4	Ethylbenzene	1.0	22
107-06-2	1,2-Dichloroethane	0.50	22	98-82-8	Isopropylbenzene	1.0	23
78-87-5	1,2-Dichloropropane	1.0	23	79601-23-1	m&p-Xylenes	1.0	47
541-73-1	1,3-Dichlorobenzene	1.0	23	79-20-9	Methyl Acetate	1.0	22
106-46-7	1,4-Dichlorobenzene	1.0	23	108-87-2	Methylcyclohexane	1.0	23
123-91-1	1,4-Dioxane	50	1100	75-09-2	Methylene Chloride	1.0	21
78-93-3	2-Butanone	1.0	21	1634-04-4	Methyl-t-butyl ether	0.50	20
591-78-6	2-Hexanone	1.0	25	95-47-6	o-Xylene	1.0	23
108-10-1	4-Methyl-2-Pentanone	1.0	25	100-42-5	Styrene	1.0	23
67-64-1	Acetone	5.0	120	127-18-4	Tetrachloroethene	1.0	24
71-43-2	Benzene	0.50	22	108-88-3	Toluene	1.0	23
74-97-5	Bromochloromethane	1.0	26	156-60-5	trans-1,2-Dichloroethene	1.0	21
75-27-4	Bromodichloromethane	1.0	22	10061-02-6	trans-1,3-Dichloropropene	1.0	22
75-25-2	Bromoform	1.0	22	79-01-6	Trichloroethene	1.0	21
74-83-9	Bromomethane	1.0	16	75-69-4	Trichlorofluoromethane	1.0	24
75-15-0	Carbon Disulfide	1.0	23	75-01-4	Vinyl Chloride	1.0	23
1330-20-7	Xylenes (Total)	1.0	70				

Worksheet #: 540659 *Total Target Concentration* 2400 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-009(MSD:AD
Client Id: MW-13-MSD
Data File: 1M128839.D
Analysis Date: 12/30/19 17:15
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	20	56-23-5	Carbon Tetrachloride	1.0	21
79-34-5	1,1,2,2-Tetrachloroethane	1.0	22	108-90-7	Chlorobenzene	1.0	20
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	21	75-00-3	Chloroethane	1.0	20
79-00-5	1,1,2-Trichloroethane	1.0	21	67-66-3	Chloroform	1.0	20
75-34-3	1,1-Dichloroethane	1.0	21	74-87-3	Chloromethane	1.0	17
75-35-4	1,1-Dichloroethene	1.0	22	156-59-2	cis-1,2-Dichloroethene	1.0	21
87-61-6	1,2,3-Trichlorobenzene	1.0	21	10061-01-5	cis-1,3-Dichloropropene	1.0	20
120-82-1	1,2,4-Trichlorobenzene	1.0	21	110-82-7	Cyclohexane	1.0	22
96-12-8	1,2-Dibromo-3-Chloroprop	1.0	24	124-48-1	Dibromochloromethane	1.0	21
106-93-4	1,2-Dibromoethane	1.0	21	75-71-8	Dichlorodifluoromethane	1.0	15
95-50-1	1,2-Dichlorobenzene	1.0	21	100-41-4	Ethylbenzene	1.0	20
107-06-2	1,2-Dichloroethane	0.50	20	98-82-8	Isopropylbenzene	1.0	21
78-87-5	1,2-Dichloropropane	1.0	21	79601-23-1	m&p-Xylenes	1.0	43
541-73-1	1,3-Dichlorobenzene	1.0	21	79-20-9	Methyl Acetate	1.0	20
106-46-7	1,4-Dichlorobenzene	1.0	21	108-87-2	Methylcyclohexane	1.0	20
123-91-1	1,4-Dioxane	50	1100	75-09-2	Methylene Chloride	1.0	19
78-93-3	2-Butanone	1.0	19	1634-04-4	Methyl-t-butyl ether	0.50	19
591-78-6	2-Hexanone	1.0	23	95-47-6	o-Xylene	1.0	21
108-10-1	4-Methyl-2-Pentanone	1.0	23	100-42-5	Styrene	1.0	21
67-64-1	Acetone	5.0	120	127-18-4	Tetrachloroethene	1.0	21
71-43-2	Benzene	0.50	20	108-88-3	Toluene	1.0	21
74-97-5	Bromochloromethane	1.0	23	156-60-5	trans-1,2-Dichloroethene	1.0	19
75-27-4	Bromodichloromethane	1.0	20	10061-02-6	trans-1,3-Dichloropropene	1.0	20
75-25-2	Bromoform	1.0	20	79-01-6	Trichloroethene	1.0	19
74-83-9	Bromomethane	1.0	16	75-69-4	Trichlorofluoromethane	1.0	22
75-15-0	Carbon Disulfide	1.0	20	75-01-4	Vinyl Chloride	1.0	21
1330-20-7	Xylenes (Total)	1.0	64				

Worksheet #: 540659

Total Target Concentration 2300

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-010
Client Id: MW-14
Data File: 1M128899.D
Analysis Date: 12/31/19 17:01
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-011
Client Id: MW-12
Data File: 1M128900.D
Analysis Date: 12/31/19 17:23
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**5.1**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 5.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-012
Client Id: MW-11
Data File: 1M128902.D
Analysis Date: 12/31/19 18:05
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**6.8**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0 50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.50**	**1.4**
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**29**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**2.5**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-013
Client Id: MW-3A
Data File: 1M128903.D
Analysis Date: 12/31/19 18:26
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-014
Client Id: MW-3B
Data File: 1M128823.D
Analysis Date: 12/30/19 11:51
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**66**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-015
Client Id: MW-4
Data File: 1M128824.D
Analysis Date: 12/30/19 12:13
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-016(5X)
Client Id: MW-6A
Data File: 11M74661.D
Analysis Date: 12/30/19 16:12
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 5.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	56-23-5	Carbon Tetrachloride	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	67-66-3	Chloroform	2.5	U
75-34-3	1,1-Dichloroethane	5.0	U	74-87-3	Chloromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.0**	**120**
87-61-6	1,2,3-Trichlorobenzene	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	110-82-7	Cyclohexane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	100-41-4	Ethylbenzene	5.0	U
107-06-2	1,2-Dichloroethane	2.5	U	98-82-8	Isopropylbenzene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79601-23-1	m&p-Xylenes	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	79-20-9	Methyl Acetate	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
123-91-1	1,4-Dioxane	250	U	75-09-2	Methylene Chloride	5.0	U
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	2.5	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	5.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	**127-18-4**	**Tetrachloroethene**	**5.0**	**1200**
71-43-2	Benzene	2.5	U	108-88-3	Toluene	5.0	U
74-97-5	Bromochloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-27-4	Bromodichloromethane	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U	**79-01-6**	**Trichloroethene**	**5.0**	**17**
74-83-9	Bromomethane	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes (Total)	5.0	U				

Worksheet #: 540659

Total Target Concentration 1300

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

SampleID : AD14811-016(5X) Operator : SG Qt Meth : 11M_A1108.M
Data File: 11M74661.D Sam Mult : 1 Vial# : 20 Qt On : 12/30/19 16:58
Acq On : 12/30/19 16:12 Misc : A,5ML!3 Qt Upd On: 12/09/19 05:41

Data Path : G:\GcMsData\2019\GCMS_11\Data\12-30-19\
Qt Path : G:\GCMSDATA\2019\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.958	96	533506	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.546	117	488132	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.816	152	247176	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.579	111	141903	30.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.30%			
39) 1,2-Dichloroethane-d4	4.778	67	83690	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
66) Toluene-d8	5.787	98	547265	27.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.83%			
76) Bromofluorobenzene	7.167	174	236240	30.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.53%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	4.302	61	130900	23.1169	ug/l	96
49) Trichloroethene	5.154	130	13381	3.4556	ug/l	95
65) Tetrachloroethene	6.112	164	735471	230.6577	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

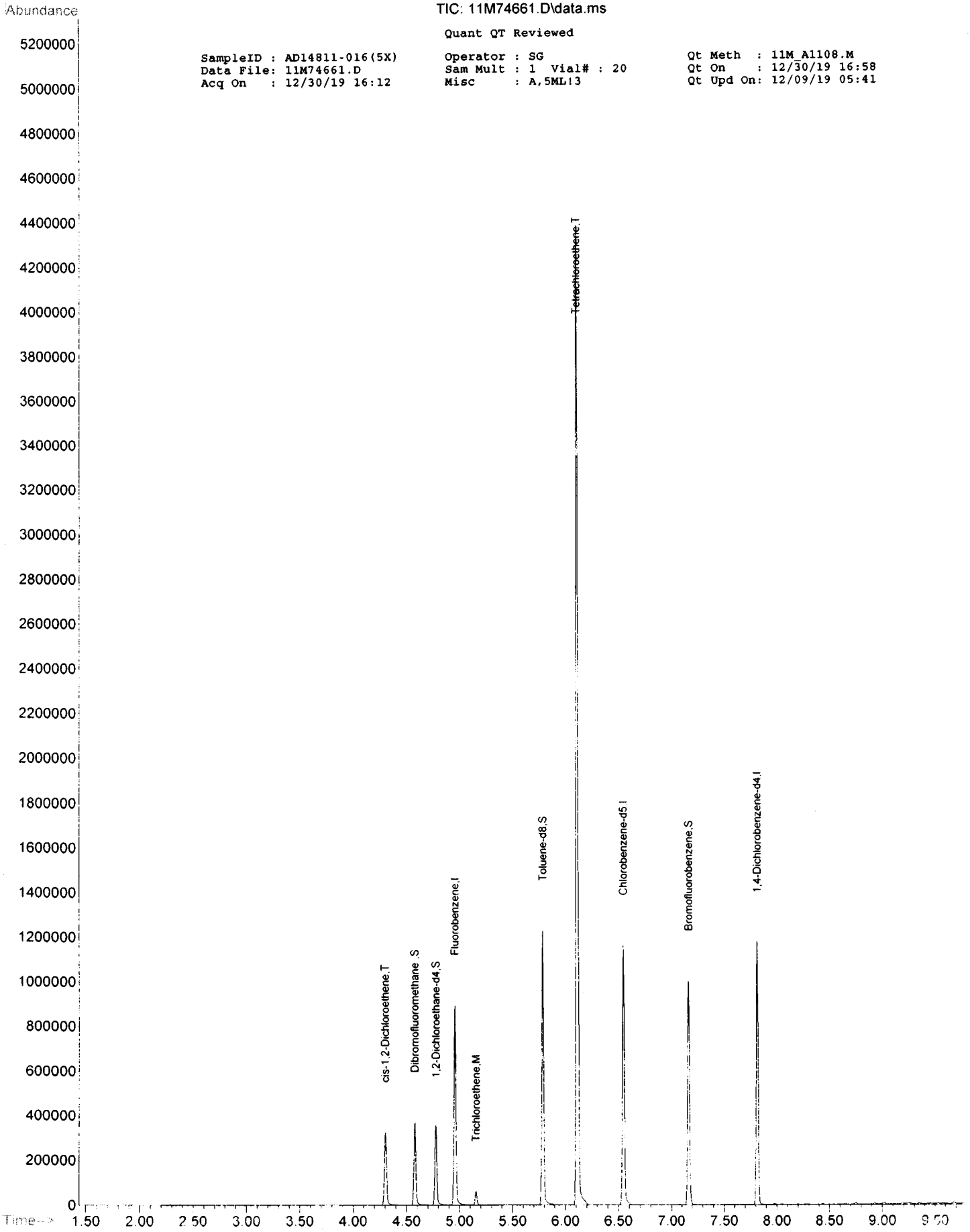
TIC: 11M74661.D\data.ms

Quant QT Reviewed

SampleID : AD14811-016(5X)
Data File: 11M74661.D
Acq On : 12/30/19 16:12

Operator : SG
Sam Mult : 1 Vial# : 20
Misc : A,5ML,3

Qt Meth : 11M_A1108.M
Qt On : 12/30/19 16:58
Qt Upd On: 12/09/19 05:41



Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-017
Client Id: MW-6B
Data File: 1M128825.D
Analysis Date: 12/30/19 12:34
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**2.6**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 2.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-018
Client Id: MW-1
Data File: 1M128826.D
Analysis Date: 12/30/19 12:55
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**3.8**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659 *Total Target Concentration* 3.8 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD14811-019
Client Id: EB 121719
Data File: 1M128822.D
Analysis Date: 12/30/19 11:30
Date Rec/Extracted: 12/20/19-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 540659

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74651.D	MBS83265	12/30/2019 12:16:00 P
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	22.6387	0	20	113	50	150
Dichlorodifluoromethane	1	13.2083	0	20	66	50	150
Chloromethane	1	17.5358	0	20	88	50	150
Bromomethane	1	20.74	0	20	104	50	150
Vinyl Chloride	1	21.4629	0	20	107	50	150
Chloroethane	1	24.7899	0	20	124	50	150
Trichlorofluoromethane	1	23.2888	0	20	116	50	150
Ethyl ether	1	20.0167	0	20	100	50	150
Furan	1	21.4267	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.8596	0	20	104	50	150
Methylene Chloride	1	20.1106	0	20	101	70	130
Acrolein	1	66.4168	0	100	66	50	150
Acrylonitrile	1	20.1144	0	20	101	50	150
Iodomethane	1	8.5437	0	20	43*	50	150
Acetone	1	113.745	0	100	114	50	150
Carbon Disulfide	1	19.7108	0	20	99	50	150
t-Butyl Alcohol	1	99.0178	0	100	99	50	150
n-Hexane	1	21.0013	0	20	105	70	130
Di-isopropyl-ether	1	22.3554	0	20	112	70	130
1,1-Dichloroethene	1	22.0648	0	20	110	70	130
Methyl Acetate	1	19.2351	0	20	96	50	150
Methyl-t-butyl ether	1	20.0664	0	20	100	70	130
1,1-Dichloroethane	1	21.6276	0	20	108	70	130
trans-1,2-Dichloroethene	1	21.2499	0	20	106	70	130
Ethyl-t-butyl ether	1	20.127	0	20	101	70	130
cis-1,2-Dichloroethene	1	21.4307	0	20	107	70	130
Bromochloromethane	1	22.6726	0	20	113	70	130
2,2-Dichloropropane	1	22.218	0	20	111	70	130
Ethyl acetate	1	20.4224	0	20	102	50	150
1,4-Dioxane	1	1014.429	0	1000	101	50	150
1,1-Dichloropropene	1	21.9946	0	20	110	70	130
Chloroform	1	20.4823	0	20	102	70	130
Cyclohexane	1	22.051	0	20	110	70	130
1,2-Dichloroethane	1	20.2594	0	20	101	70	130
2-Butanone	1	20.493	0	20	102	50	150
1,1,1-Trichloroethane	1	21.9245	0	20	110	70	130
Carbon Tetrachloride	1	22.4627	0	20	112	50	150
Vinyl Acetate	1	21.0867	0	20	105	50	150
Bromodichloromethane	1	20.6162	0	20	103	70	130
Methylcyclohexane	1	22.1073	0	20	111	70	130
Dibromomethane	1	19.6537	0	20	98	70	130
1,2-Dichloropropane	1	20.9468	0	20	105	70	130
Trichloroethene	1	21.2955	0	20	106	70	130
Benzene	1	21.6544	0	20	108	70	130
tert-Amyl methyl ether	1	19.1585	0	20	96	70	130
Iso-propylacetate	1	17.2605	0	20	86	70	130
Methyl methacrylate	1	16.9894	0	20	85	70	130
Dibromochloromethane	1	16.8272	0	20	84	70	130
2-Chloroethylvinylether	1	12.2593	0	20	61*	70	130
cis-1,3-Dichloropropene	1	16.8959	0	20	84	70	130
trans-1,3-Dichloropropene	1	16.7568	0	20	84	70	130
Ethyl methacrylate	1	17.88	0	20	89	70	130
1,1,2-Trichloroethane	1	17.6567	0	20	88	70	130
1,2-Dibromoethane	1	17.7493	0	20	89	70	130
1,3-Dichloropropane	1	17.4178	0	20	87	70	130
4-Methyl-2-Pentanone	1	18.4892	0	20	92	50	150
2-Hexanone	1	17.7558	0	20	89	50	150
Tetrachloroethene	1	17.9862	0	20	90	50	150
Toluene	1	18.8936	0	20	94	70	130
1,1,1,2-Tetrachloroethane	1	17.6364	0	20	88	70	130
Chlorobenzene	1	17.902	0	20	90	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

Method: 8260C | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	17.6372	0	20	88	70	130
n-Amyl acetate	1	20.0279	0	20	100	70	130
Bromoform	**1**	**16.2903**	**0**	**20**	**81**	**70**	**130**
Ethylbenzene	**1**	**17.3863**	**0**	**20**	**87**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**16.8905**	**0**	**20**	**84**	**70**	**130**
Styrene	**1**	**18.4786**	**0**	**20**	**92**	**70**	**130**
m&p-Xylenes	**1**	**36.8928**	**0**	**40**	**92**	**70**	**130**
o-Xylene	**1**	**19.0246**	**0**	**20**	**95**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	15.7446	0	20	79	50	150
1,3-Dichlorobenzene	**1**	**17.7824**	**0**	**20**	**89**	**70**	**130**
1,4-Dichlorobenzene	**1**	**17.4804**	**0**	**20**	**87**	**70**	**130**
1,2-Dichlorobenzene	**1**	**17.1042**	**0**	**20**	**86**	**70**	**130**
Isopropylbenzene	**1**	**19.272**	**0**	**20**	**96**	**70**	**130**
Cyclohexanone	1	136.8456	0	100	137	50	150
Camphene	1	18.2036	0	20	91	70	130
1,2,3-Trichloropropane	1	16.065	0	20	80	70	130
2-Chlorotoluene	1	17.9191	0	20	90	70	130
p-Ethyltoluene	1	18.1831	0	20	91	70	130
4-Chlorotoluene	1	18.4194	0	20	92	70	130
n-Propylbenzene	1	18.5975	0	20	93	70	130
Bromobenzene	1	17.5371	0	20	88	70	130
1,3,5-Trimethylbenzene	1	18.5687	0	20	93	70	130
Butyl methacrylate	1	18.4497	0	20	92	70	130
t-Butylbenzene	1	18.7384	0	20	94	70	130
1,2,4-Trimethylbenzene	1	19.2547	0	20	96	70	130
sec-Butylbenzene	1	19.506	0	20	98	70	130
4-Isopropyltoluene	1	18.8356	0	20	94	70	130
n-Butylbenzene	1	18.7984	0	20	94	70	130
p-Diethylbenzene	1	17.7592	0	20	89	70	130
1,2,4,5-Tetramethylbenzene	1	16.2524	0	20	81	70	130
1,2-Dibromo-3-Chloropropane	**1**	**12.8708**	**0**	**20**	**64**	**50**	**150**
Camphor	1	114.7177	0	200	57	20	150
Hexachlorobutadiene	1	13.8913	0	20	69	50	150
1,2,4-Trichlorobenzene	**1**	**11.1329**	**0**	**20**	**56***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**7.8003**	**0**	**20**	**39***	**70**	**130**
Naphthalene	1	9.6805	0	20	48*	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74727.D	MBS83286	1/2/2020 7:35:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	10.9126	0	20	55	50	150
Chloromethane	1	16.4952	0	20	82	50	150
Bromomethane	1	18.3975	0	20	92	50	150
Vinyl Chloride	1	19.9164	0	20	100	50	150
Chloroethane	1	24.9658	0	20	125	50	150
Trichlorofluoromethane	1	23.8562	0	20	119	50	150
Ethyl ether	1	21.6331	0	20	108	50	150
Furan	1	21.5866	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.9899	0	20	100	50	150
Methylene Chloride	1	21.2363	0	20	106	70	130
Acrolein	1	78.9871	0	100	79	50	150
Acrylonitrile	1	22.1401	0	20	111	50	150
Iodomethane	1	7.8802	0	20	39*	50	150
Acetone	1	120.1377	0	100	120	50	150
Carbon Disulfide	1	18.7156	0	20	94	50	150
t-Butyl Alcohol	1	114.6007	0	100	115	50	150
n-Hexane	1	19.3534	0	20	97	70	130
Di-isopropyl-ether	1	23.4402	0	20	117	70	130
1,1-Dichloroethene	1	21.3136	0	20	107	70	130
Methyl Acetate	1	23.0767	0	20	115	50	150
Methyl-t-butyl ether	1	21.6935	0	20	108	70	130
1,1-Dichloroethane	1	21.7441	0	20	109	70	130
trans-1,2-Dichloroethene	1	21.7124	0	20	109	70	130
Ethyl-t-butyl ether	1	21.9057	0	20	110	70	130
cis-1,2-Dichloroethene	1	23.2618	0	20	116	70	130
Bromochloromethane	1	24.3298	0	20	122	70	130
2,2-Dichloropropane	1	24.2349	0	20	121	70	130
Ethyl acetate	1	22.4293	0	20	112	50	150
1,4-Dioxane	1	1134.424	0	1000	113	50	150
1,1-Dichloropropene	1	22.772	0	20	114	70	130
Chloroform	1	22.2881	0	20	111	70	130
Cyclohexane	1	21.0882	0	20	105	70	130
1,2-Dichloroethane	1	22.8845	0	20	114	70	130
2-Butanone	1	19.953	0	20	100	50	150
1,1,1-Trichloroethane	1	23.3901	0	20	117	70	130
Carbon Tetrachloride	1	23.6312	0	20	118	50	150
Vinyl Acetate	1	22.252	0	20	111	50	150
Bromodichloromethane	1	23.4401	0	20	117	70	130
Methylcyclohexane	1	21.393	0	20	107	70	130
Dibromomethane	1	22.5534	0	20	113	70	130
1,2-Dichloropropane	1	23.1124	0	20	116	70	130
Trichloroethene	1	22.7325	0	20	114	70	130
Benzene	1	22.5898	0	20	113	70	130
tert-Amyl methyl ether	1	21.0968	0	20	105	70	130
Iso-propylacetate	1	19.0485	0	20	95	70	130
Methyl methacrylate	1	17.942	0	20	90	70	130
Dibromochloromethane	1	18.7783	0	20	94	70	130
2-Chloroethylvinylether	1	13.5973	0	20	68*	70	130
cis-1,3-Dichloropropene	1	18.3577	0	20	92	70	130
trans-1,3-Dichloropropene	1	18.2217	0	20	91	70	130
Ethyl methacrylate	1	19.5073	0	20	98	70	130
1,1,2-Trichloroethane	1	19.142	0	20	96	70	130
1,2-Dibromoethane	1	19.6175	0	20	98	70	130
1,3-Dichloropropane	1	18.9644	0	20	95	70	130
4-Methyl-2-Pentanone	1	19.5229	0	20	98	50	150
2-Hexanone	1	19.9111	0	20	100	50	150
Tetrachloroethene	1	18.5606	0	20	93	50	150
Toluene	1	19.5532	0	20	98	70	130
1,1,1,2-Tetrachloroethane	1	19.1183	0	20	96	70	130
Chlorobenzene	1	18.6334	0	20	93	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

Method: 8260C | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.4736	0	20	92	70	130
n-Amyl acetate	1	20.7358	0	20	104	70	130
Bromoform	**1**	**18.3683**	**0**	**20**	**92**	**70**	**130**
Ethylbenzene	**1**	**17.3278**	**0**	**20**	**87**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**18.5833**	**0**	**20**	**93**	**70**	**130**
Styrene	**1**	**18.6242**	**0**	**20**	**93**	**70**	**130**
m&p-Xylenes	**1**	**37.0878**	**0**	**40**	**93**	**70**	**130**
o-Xylene	**1**	**19.2845**	**0**	**20**	**96**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	17.4148	0	20	87	50	150
1,3-Dichlorobenzene	**1**	**18.4361**	**0**	**20**	**92**	**70**	**130**
1,4-Dichlorobenzene	**1**	**17.7284**	**0**	**20**	**89**	**70**	**130**
1,2-Dichlorobenzene	**1**	**17.7602**	**0**	**20**	**89**	**70**	**130**
Isopropylbenzene	**1**	**19.6057**	**0**	**20**	**98**	**70**	**130**
Cyclohexanone	1	156.6508	0	100	157*	50	150
Camphene	1	17.649	0	20	88	70	130
1,2,3-Trichloropropane	1	17.7895	0	20	89	70	130
2-Chlorotoluene	1	19.2731	0	20	96	70	130
p-Ethyltoluene	1	16.1682	0	20	81	70	130
4-Chlorotoluene	1	18.9952	0	20	95	70	130
n-Propylbenzene	1	18.796	0	20	94	70	130
Bromobenzene	1	18.2308	0	20	91	70	130
1,3,5-Trimethylbenzene	1	18.8589	0	20	94	70	130
Butyl methacrylate	1	19.7883	0	20	99	70	130
t-Butylbenzene	1	19.3547	0	20	97	70	130
1,2,4-Trimethylbenzene	1	19.4435	0	20	97	70	130
sec-Butylbenzene	1	19.3772	0	20	97	70	130
4-Isopropyltoluene	1	18.8049	0	20	94	70	130
n-Butylbenzene	1	18.9763	0	20	95	70	130
p-Diethylbenzene	1	16.4649	0	20	82	70	130
1,2,4,5-Tetramethylbenzene	1	15.89	0	20	79	70	130
1,2-Dibromo-3-Chloropropane	**1**	**15.1453**	**0**	**20**	**76**	**50**	**150**
Camphor	1	137.0367	0	200	69	20	150
Hexachlorobutadiene	1	15.5673	0	20	78	50	150
1,2,4-Trichlorobenzene	**1**	**12.3619**	**0**	**20**	**62***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**8.9619**	**0**	**20**	**45***	**70**	**130**
Naphthalene	1	9.5723	0	20	48*	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83271

Data File | Sample ID: | Analysis Date
Spike or Dup: 1M128861.D | MBS83271 | 12/31/2019 3:44:00 AM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260C | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	12.1633	0	20	61	50	150
Chloromethane	1	18.0105	0	20	90	50	150
Bromomethane	1	16.3276	0	20	82	50	150
Vinyl Chloride	1	18.825	0	20	94	50	150
Chloroethane	1	18.7536	0	20	94	50	150
Trichlorofluoromethane	1	20.0986	0	20	100	50	150
Ethyl ether	1	21.0766	0	20	105	50	150
Furan	1	21.4002	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.2891	0	20	96	50	150
Methylene Chloride	1	18.5182	0	20	93	70	130
Acrolein	1	85.7896	0	100	86	50	150
Acrylonitrile	1	21.6226	0	20	108	50	150
Iodomethane	1	12.1971	0	20	61	50	150
Acetone	1	116.7212	0	100	117	50	150
Carbon Disulfide	1	17.2363	0	20	86	50	150
t-Butyl Alcohol	1	91.2065	0	100	91	50	150
n-Hexane	1	18.3644	0	20	92	70	130
Di-isopropyl-ether	1	21.1732	0	20	106	70	130
1,1-Dichloroethene	1	19.9975	0	20	100	70	130
Methyl Acetate	1	21.6698	0	20	108	50	150
Methyl-t-butyl ether	1	17.8084	0	20	89	70	130
1,1-Dichloroethane	1	19.7526	0	20	99	70	130
trans-1,2-Dichloroethene	1	17.845	0	20	89	70	130
Ethyl-t-butyl ether	1	19.024	0	20	95	70	130
cis-1,2-Dichloroethene	1	20.6074	0	20	103	70	130
Bromochloromethane	1	22.8817	0	20	114	70	130
2,2-Dichloropropane	1	18.6005	0	20	93	70	130
Ethyl acetate	1	23.011	0	20	115	50	150
1,4-Dioxane	1	1039.048	0	1000	104	50	150
1,1-Dichloropropene	1	18.8753	0	20	94	70	130
Chloroform	1	19.8228	0	20	99	70	130
Cyclohexane	1	19.7625	0	20	99	70	130
1,2-Dichloroethane	1	20.8271	0	20	104	70	130
2-Butanone	1	19.0116	0	20	95	50	150
1,1,1-Trichloroethane	1	19.5857	0	20	98	70	130
Carbon Tetrachloride	1	19.5186	0	20	98	50	150
Vinyl Acetate	1	21.3204	0	20	107	50	150
Bromodichloromethane	1	20.843	0	20	104	70	130
Methylcyclohexane	1	18.4377	0	20	92	70	130
Dibromomethane	1	20.046	0	20	100	70	130
1,2-Dichloropropane	1	21.4387	0	20	107	70	130
Trichloroethene	1	18.5595	0	20	93	70	130
Benzene	1	19.49	0	20	97	70	130
tert-Amyl methyl ether	1	17.2169	0	20	86	70	130
Iso-propylacetate	1	21.5087	0	20	108	70	130
Methyl methacrylate	1	19.0414	0	20	95	70	130
Dibromochloromethane	1	21.0558	0	20	105	70	130
2-Chloroethylvinylether	1	21.183	0	20	106	70	130
cis-1,3-Dichloropropene	1	20.0245	0	20	100	70	130
trans-1,3-Dichloropropene	1	20.0653	0	20	100	70	130
Ethyl methacrylate	1	22.3911	0	20	112	70	130
1,1,2-Trichloroethane	1	21.3056	0	20	107	70	130
1,2-Dibromoethane	1	20.4653	0	20	102	70	130
1,3-Dichloropropane	1	21.3388	0	20	107	70	130
4-Methyl-2-Pentanone	1	22.1112	0	20	111	50	150
2-Hexanone	1	21.7338	0	20	109	50	150
Tetrachloroethene	1	19.8831	0	20	99	50	150
Toluene	1	20.5942	0	20	103	70	130
1,1,1,2-Tetrachloroethane	1	19.9535	0	20	100	70	130
Chlorobenzene	1	19.9325	0	20	100	70	130

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83271

Method: 8260C | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	20.8642	0	20	104	70	130
n-Amyl acetate	1	23.3801	0	20	117	70	130
Bromoform	**1**	**20.6163**	**0**	**20**	**103**	**70**	**130**
Ethylbenzene	**1**	**19.3326**	**0**	**20**	**97**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.7016**	**0**	**20**	**109**	**70**	**130**
Styrene	**1**	**19.9691**	**0**	**20**	**100**	**70**	**130**
m&p-Xylenes	**1**	**42.1346**	**0**	**40**	**105**	**70**	**130**
o-Xylene	**1**	**20.756**	**0**	**20**	**104**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	21.4912	0	20	107	50	150
1,3-Dichlorobenzene	**1**	**20.3692**	**0**	**20**	**102**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.2008**	**0**	**20**	**101**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.2477**	**0**	**20**	**101**	**70**	**130**
Isopropylbenzene	**1**	**20.346**	**0**	**20**	**102**	**70**	**130**
Cyclohexanone	1	142.2938	0	100	142	50	150
Camphene	1	19.4292	0	20	97	70	130
1,2,3-Trichloropropane	1	20.6086	0	20	103	70	130
2-Chlorotoluene	1	21.522	0	20	108	70	130
p-Ethyltoluene	1	18.3063	0	20	92	70	130
4-Chlorotoluene	1	22.4512	0	20	112	70	130
n-Propylbenzene	1	21.1009	0	20	106	70	130
Bromobenzene	1	20.4495	0	20	102	70	130
1,3,5-Trimethylbenzene	1	22.3645	0	20	112	70	130
Butyl methacrylate	1	21.0044	0	20	105	70	130
t-Butylbenzene	1	19.8182	0	20	99	70	130
1,2,4-Trimethylbenzene	1	22.1919	0	20	111	70	130
sec-Butylbenzene	1	20.454	0	20	102	70	130
4-Isopropyltoluene	1	19.5711	0	20	98	70	130
n-Butylbenzene	1	20.9324	0	20	105	70	130
p-Diethylbenzene	1	17.7637	0	20	89	70	130
1,2,4,5-Tetramethylbenzene	1	16.6019	0	20	83	70	130
1,2-Dibromo-3-Chloropropane	**1**	**24.7696**	**0**	**20**	**124**	**50**	**150**
Camphor	1	204.6793	0	200	102	20	150
Hexachlorobutadiene	1	19.8799	0	20	99	50	150
1,2,4-Trichlorobenzene	**1**	**19.3489**	**0**	**20**	**97**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**18.7196**	**0**	**20**	**94**	**70**	**130**
Naphthalene	1	18.2798	0	20	91	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74652.D	AD14866-001(T:MS)	12/30/2019 12:38:00 P
Non Spike(If applicable):	11M74657.D	AD14866-001(T)	12/30/2019 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	23.0601	0	20	115	50	150
Dichlorodifluoromethane	1	14.6363	0	20	73	50	150
Chloromethane	1	19.1632	0	20	96	50	150
Bromomethane	1	23.3496	0	20	117	50	150
Vinyl Chloride	1	23.3135	0	20	117	50	150
Chloroethane	1	26.568	0	20	133	50	150
Trichlorofluoromethane	1	24.9877	0	20	125	50	150
Ethyl ether	1	22.1683	0	20	111	50	150
Furan	1	23.5369	0	20	118	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.6559	0	20	113	50	150
Methylene Chloride	1	29.5574	9.7968	20	99	70	130
Acrolein	1	73.8576	0	100	74	50	150
Acrylonitrile	1	21.5378	0	20	108	50	150
Iodomethane	1	11.0888	0	20	55	50	150
Acetone	1	146.8835	7.2959	100	140	50	150
Carbon Disulfide	1	22.1597	0	20	111	50	150
t-Butyl Alcohol	1	105.7149	0	100	106	50	150
n-Hexane	1	23.8517	0	20	119	70	130
Di-isopropyl-ether	1	24.553	0	20	123	70	130
1,1-Dichloroethene	1	24.5452	0	20	123	70	130
Methyl Acetate	1	22.1406	0	20	111	50	150
Methyl-t-butyl ether	1	22.1835	0	20	111	70	130
1,1-Dichloroethane	1	23.8774	0	20	119	70	130
trans-1,2-Dichloroethene	1	22.4719	0	20	112	70	130
Ethyl-t-butyl ether	1	22.1673	0	20	111	70	130
cis-1,2-Dichloroethene	1	24.0421	0	20	120	70	130
Bromochloromethane	1	24.6182	0	20	123	70	130
2,2-Dichloropropane	1	25.1023	0	20	126	70	130
Ethyl acetate	1	22.616	0	20	113	50	150
1,4-Dioxane	1	1083.67	0	1000	108	50	150
1,1-Dichloropropene	1	23.8873	0	20	119	70	130
Chloroform	1	22.8048	0	20	114	70	130
Cyclohexane	1	23.8294	0	20	119	70	130
1,2-Dichloroethane	1	22.4496	0	20	112	70	130
2-Butanone	1	25.6648	1.9568	20	119	50	150
1,1,1-Trichloroethane	1	23.689	0	20	118	70	130
Carbon Tetrachloride	1	24.3718	0	20	122	50	150
Vinyl Acetate	1	22.8848	0	20	114	50	150
Bromodichloromethane	1	22.9544	0	20	115	70	130
Methylcyclohexane	1	25.3093	0	20	127	70	130
Dibromomethane	1	22.0886	0	20	110	70	130
1,2-Dichloropropane	1	23.121	0	20	116	70	130
Trichloroethene	1	23.3529	0	20	117	70	130
Benzene	1	23.7053	0	20	119	70	130
tert-Amyl methyl ether	1	21.5545	0	20	108	70	130
Iso-propylacetate	1	19.2691	0	20	96	70	130
Methyl methacrylate	1	18.5402	0	20	93	70	130
Dibromochloromethane	1	18.538	0	20	93	70	130
2-Chloroethylvinylether	1	14.2697	0	20	71	70	130
cis-1,3-Dichloropropene	1	18.3882	0	20	92	70	130
trans-1,3-Dichloropropene	1	18.6539	0	20	93	70	130
Ethyl methacrylate	1	20.1017	0	20	101	70	130
1,1,2-Trichloroethane	1	19.0585	0	20	95	70	130
1,2-Dibromoethane	1	19.1241	0	20	96	70	130
1,3-Dichloropropane	1	18.9061	0	20	95	70	130
4-Methyl-2-Pentanone	1	19.8124	0	20	99	50	150
2-Hexanone	1	21.0193	0	20	105	50	150
Tetrachloroethene	1	20.3977	0	20	102	50	150
Toluene	1	20.5567	0	20	103	70	130
1,1,1,2-Tetrachloroethane	1	19.3377	0	20	97	70	130
Chlorobenzene	1	19.709	0	20	99	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

Method: 8260C | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	20.3403	0	20	102	70	130
n-Amyl acetate	1	22.9325	0	20	115	70	130
Bromoform	**1**	**18.1145**	**0**	**20**	**91**	**70**	**130**
Ethylbenzene	**1**	**19.8869**	**0**	**20**	**99**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**18.7867**	**0**	**20**	**94**	**70**	**130**
Styrene	**1**	**20.6479**	**0**	**20**	**103**	**70**	**130**
m&p-Xylenes	**1**	**40.9648**	**0**	**40**	**102**	**70**	**130**
o-Xylene	**1**	**21.0775**	**0**	**20**	**105**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	17.7774	0	20	89	50	150
1,3-Dichlorobenzene	**1**	**20.0036**	**0**	**20**	**100**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.5636**	**0**	**20**	**98**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.2403**	**0**	**20**	**101**	**70**	**130**
Isopropylbenzene	**1**	**21.3956**	**0**	**20**	**107**	**70**	**130**
Cyclohexanone	1	159.5676	0	100	160*	50	150
Camphene	1	21.1569	0	20	106	70	130
1,2,3-Trichloropropane	1	18.0807	0	20	90	70	130
2-Chlorotoluene	1	20.7218	0	20	104	70	130
p-Ethyltoluene	1	20.3982	0	20	102	70	130
4-Chlorotoluene	1	20.3999	0	20	102	70	130
n-Propylbenzene	1	20.8393	0	20	104	70	130
Bromobenzene	1	19.4148	0	20	97	70	130
1,3,5-Trimethylbenzene	1	20.6382	0	20	103	70	130
Butyl methacrylate	1	19.9742	0	20	100	70	130
t-Butylbenzene	1	21.1374	0	20	106	70	130
1,2,4-Trimethylbenzene	1	21.4355	0	20	107	70	130
sec-Butylbenzene	1	22.133	0	20	111	70	130
4-Isopropyltoluene	1	21.7089	0	20	109	70	130
n-Butylbenzene	1	21.5105	0	20	108	70	130
p-Diethylbenzene	1	20.2031	0	20	101	70	130
1,2,4,5-Tetramethylbenzene	1	19.2209	0	20	96	70	130
1,2-Dibromo-3-Chloropropane	**1**	**17.385**	**0**	**20**	**87**	**50**	**150**
Camphor	1	180.0396	0	200	90	20	150
Hexachlorobutadiene	1	18.7895	1.0476	20	89	50	150
1,2,4-Trichlorobenzene	**1**	**17.3028**	**0**	**20**	**87**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**16.0617**	**2.3346**	**20**	**69***	**70**	**130**
Naphthalene	1	17.6837	2.4071	20	76	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74654.D	AD14866-001(T:MSD)	12/30/2019 1:22:00 PM
Non Spike(If applicable):	11M74657.D	AD14866-001(T)	12/30/2019 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	13.7569	0	20	69	50	150
Chloromethane	1	18.8803	0	20	94	50	150
Bromomethane	1	23.278	0	20	116	50	150
Vinyl Chloride	1	21.8902	0	20	109	50	150
Chloroethane	1	26.0032	0	20	130	50	150
Trichlorofluoromethane	1	24.3331	0	20	122	50	150
Ethyl ether	1	21.6824	0	20	108	50	150
Furan	1	22.8941	0	20	114	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.3477	0	20	107	50	150
Methylene Chloride	1	28.1251	9.7968	20	92	70	130
Acrolein	1	68.4831	0	100	68	50	150
Acrylonitrile	1	20.7283	0	20	104	50	150
Iodomethane	1	11.4737	0	20	57	50	150
Acetone	1	137.7586	7.2959	100	130	50	150
Carbon Disulfide	1	20.5813	0	20	103	50	150
t-Butyl Alcohol	1	98.1025	0	100	98	50	150
n-Hexane	1	23.4049	0	20	117	70	130
Di-isopropyl-ether	1	24.0751	0	20	120	70	130
1,1-Dichloroethene	1	23.2072	0	20	116	70	130
Methyl Acetate	1	20.4807	0	20	102	50	150
Methyl-t-butyl ether	1	21.8161	0	20	109	70	130
1,1-Dichloroethane	1	22.9662	0	20	115	70	130
trans-1,2-Dichloroethene	1	22.398	0	20	112	70	130
Ethyl-t-butyl ether	1	21.1445	0	20	106	70	130
cis-1,2-Dichloroethene	1	23.2147	0	20	116	70	130
Bromochloromethane	1	24.1419	0	20	121	70	130
2,2-Dichloropropane	1	23.5171	0	20	118	70	130
Ethyl acetate	1	20.2249	0	20	101	50	150
1,4-Dioxane	1	1005.607	0	1000	101	50	150
1,1-Dichloropropene	1	22.9604	0	20	115	70	130
Chloroform	1	22.1529	0	20	111	70	130
Cyclohexane	1	24.2609	0	20	121	70	130
1,2-Dichloroethane	1	22.1416	0	20	111	70	130
2-Butanone	1	23.2788	1.9568	20	107	50	150
1,1,1-Trichloroethane	1	22.897	0	20	114	70	130
Carbon Tetrachloride	1	23.2126	0	20	116	50	150
Vinyl Acetate	1	20.4771	0	20	102	50	150
Bromodichloromethane	1	22.2607	0	20	111	70	130
Methylcyclohexane	1	25.6459	0	20	128	70	130
Dibromomethane	1	21.0548	0	20	105	70	130
1,2-Dichloropropane	1	22.018	0	20	110	70	130
Trichloroethene	1	22.7977	0	20	114	70	130
Benzene	1	22.9774	0	20	115	70	130
tert-Amyl methyl ether	1	19.8924	0	20	99	70	130
Iso-propylacetate	1	18.5296	0	20	93	70	130
Methyl methacrylate	1	17.0153	0	20	85	70	130
Dibromochloromethane	1	18.1741	0	20	91	70	130
2-Chloroethylvinylether	1	11.9902	0	20	60*	70	130
cis-1,3-Dichloropropene	1	17.7206	0	20	89	70	130
trans-1,3-Dichloropropene	1	17.6865	0	20	88	70	130
Ethyl methacrylate	1	18.7943	0	20	94	70	130
1,1,2-Trichloroethane	1	18.9943	0	20	95	70	130
1,2-Dibromoethane	1	18.5175	0	20	93	70	130
1,3-Dichloropropane	1	18.5025	0	20	93	70	130
4-Methyl-2-Pentanone	1	18.6584	0	20	93	50	150
2-Hexanone	1	18.8159	0	20	94	50	150
Tetrachloroethene	1	18.9992	0	20	95	50	150
Toluene	1	19.8459	0	20	99	70	130
1,1,1,2-Tetrachloroethane	1	18.7486	0	20	94	70	130
Chlorobenzene	1	18.9704	0	20	95	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83265

Method: 8260C | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.3374	0	20	97	70	130
n-Amyl acetate	1	21.7711	0	20	109	70	130
Bromoform	**1**	**17.7644**	**0**	**20**	**89**	**70**	**130**
Ethylbenzene	**1**	**19.3308**	**0**	**20**	**97**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**17.4884**	**0**	**20**	**87**	**70**	**130**
Styrene	**1**	**20.1448**	**0**	**20**	**101**	**70**	**130**
m&p-Xylenes	**1**	**39.6484**	**0**	**40**	**99**	**70**	**130**
o-Xylene	**1**	**20.2763**	**0**	**20**	**101**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.3713	0	20	82	50	150
1,3-Dichlorobenzene	**1**	**19.1795**	**0**	**20**	**96**	**70**	**130**
1,4-Dichlorobenzene	**1**	**18.4134**	**0**	**20**	**92**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.0634**	**0**	**20**	**95**	**70**	**130**
Isopropylbenzene	**1**	**20.998**	**0**	**20**	**105**	**70**	**130**
Cyclohexanone	1	145.8156	0	100	146	50	150
Camphene	1	19.6017	0	20	98	70	130
1,2,3-Trichloropropane	1	16.8754	0	20	84	70	130
2-Chlorotoluene	1	19.6056	0	20	98	70	130
p-Ethyltoluene	1	20.6415	0	20	103	70	130
4-Chlorotoluene	1	19.2185	0	20	96	70	130
n-Propylbenzene	1	21.2215	0	20	106	70	130
Bromobenzene	1	18.995	0	20	95	70	130
1,3,5-Trimethylbenzene	1	21.6975	0	20	108	70	130
Butyl methacrylate	1	20.6608	0	20	103	70	130
t-Butylbenzene	1	21.2694	0	20	106	70	130
1,2,4-Trimethylbenzene	1	26.0999	0	20	130	70	130
sec-Butylbenzene	1	21.0056	0	20	105	70	130
4-Isopropyltoluene	1	20.2989	0	20	101	70	130
n-Butylbenzene	1	21.1436	0	20	106	70	130
p-Diethylbenzene	1	23.5159	0	20	118	70	130
1,2,4,5-Tetramethylbenzene	1	20.0883	0	20	100	70	130
1,2-Dibromo-3-Chloropropane	**1**	**13.6308**	**0**	**20**	**68**	**50**	**150**
Camphor	1	131.5853	0	200	66	20	150
Hexachlorobutadiene	1	15.9828	1.0476	20	75	50	150
1,2,4-Trichlorobenzene	**1**	**14.0251**	**0**	**20**	**70**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**12.5323**	**2.3346**	**20**	**51***	**70**	**130**
Naphthalene	1	21.0884	2.4071	20	93	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS83265

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74654.D	AD14866-001(T:MSD)	12/30/2019 1:22:00 PM
Duplicate(If applicable):	11M74652.D	AD14866-001(T:MS)	12/30/2019 12:38:00 P
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	23.0601	200*	30
Dichlorodifluoromethane	1	13.7569	14.6363	6.2	30
Chloromethane	1	18.8803	19.1632	1.5	30
Bromomethane	1	23.278	23.3496	0.31	30
Vinyl Chloride	1	21.8902	23.3135	6.3	40
Chloroethane	1	26.0032	26.568	2.1	30
Trichlorofluoromethane	1	24.3331	24.9877	2.7	30
Ethyl ether	1	21.6824	22.1683	2.2	30
Furan	1	22.8941	23.5369	2.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.3477	22.6559	5.9	30
Methylene Chloride	1	28.1251	29.5574	5	30
Acrolein	1	68.4831	73.8576	7.6	30
Acrylonitrile	1	20.7283	21.5378	3.8	30
Iodomethane	1	11.4737	11.0888	3.4	30
Acetone	1	137.7586	146.8835	6.4	30
Carbon Disulfide	1	20.5813	22.1597	7.4	30
t-Butyl Alcohol	1	98.1025	105.7149	7.5	30
n-Hexane	1	23.4049	23.8517	1.9	30
Di-isopropyl-ether	1	24.0751	24.553	2	30
1,1-Dichloroethene	1	23.2072	24.5452	5.6	40
Methyl Acetate	1	20.4807	22.1406	7.8	30
Methyl-t-butyl ether	1	21.8161	22.1835	1.7	30
1,1-Dichloroethane	1	22.9662	23.8774	3.9	40
trans-1,2-Dichloroethene	1	22.398	22.4719	0.33	30
Ethyl-t-butyl ether	1	21.1445	22.1673	4.7	30
cis-1,2-Dichloroethene	1	23.2147	24.0421	3.5	30
Bromochloromethane	1	24.1419	24.6182	2	30
2,2-Dichloropropane	1	23.5171	25.1023	6.5	30
Ethyl acetate	1	20.2249	22.616	11	30
1,4-Dioxane	1	1005.607	1083.67	7.5	30
1,1-Dichloropropene	1	22.9604	23.8873	4	30
Chloroform	1	22.1529	22.8048	2.9	40
Cyclohexane	1	24.2609	23.8294	1.8	30
1,2-Dichloroethane	1	22.1416	22.4496	1.4	40
2-Butanone	1	23.2788	25.6648	9.8	40
1,1,1-Trichloroethane	1	22.897	23.689	3.4	30
Carbon Tetrachloride	1	23.2126	24.3718	4.9	40
Vinyl Acetate	1	20.4771	22.8848	11	30
Bromodichloromethane	1	22.2607	22.9544	3.1	30
Methylcyclohexane	1	25.6459	25.3093	1.3	30
Dibromomethane	1	21.0548	22.0886	4.8	30
1,2-Dichloropropane	1	22.018	23.121	4.9	30
Trichloroethene	1	22.7977	23.3529	2.4	40
Benzene	1	22.9774	23.7053	3.1	40
tert-Amyl methyl ether	1	19.8924	21.5545	8	30
Iso-propylacetate	1	18.5296	19.2691	3.9	30
Methyl methacrylate	1	17.0153	18.5402	8.6	30
Dibromochloromethane	1	18.1741	18.538	2	30
2-Chloroethylvinylether	1	11.9902	14.2697	17	30
cis-1,3-Dichloropropene	1	17.7206	18.3882	3.7	30
trans-1,3-Dichloropropene	1	17.6865	18.6539	5.3	30
Ethyl methacrylate	1	18.7943	20.1017	6.7	30
1,1,2-Trichloroethane	1	18.9943	19.0585	0.34	30
1,2-Dibromoethane	1	18.5175	19.1241	3.2	30
1,3-Dichloropropane	1	18.5025	18.9061	2.2	30
4-Methyl-2-Pentanone	1	18.6584	19.8124	6	30
2-Hexanone	1	18.8159	21.0193	11	30
Tetrachloroethene	1	18.9992	20.3977	7.1	40
Toluene	1	19.8459	20.5567	3.5	40
1,1,1,2-Tetrachloroethane	1	18.7486	19.3377	3.1	30
Chlorobenzene	1	18.9704	19.709	3.8	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS83265

Method: 8260C | Matrix: Aqueous | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	19.3374	20.3403	5.1	30
n-Amyl acetate	1	21.7711	22.9325	5.2	30
Bromoform	**1**	**17.7644**	**18.1145**	**2**	**30**
Ethylbenzene	**1**	**19.3308**	**19.8869**	**2.8**	**30**
1,1,2,2-Tetrachloroethane	**1**	**17.4884**	**18.7867**	**7.2**	**30**
Styrene	**1**	**20.1448**	**20.6479**	**2.5**	**30**
m&p-Xylenes	**1**	**39.6484**	**40.9648**	**3.3**	**30**
o-Xylene	**1**	**20.2763**	**21.0775**	**3.9**	**30**
trans-1,4-Dichloro-2-butene	1	16.3713	17.7774	8.2	30
1,3-Dichlorobenzene	**1**	**19.1795**	**20.0036**	**4.2**	**30**
1,4-Dichlorobenzene	**1**	**18.4134**	**19.5636**	**6.1**	**40**
1,2-Dichlorobenzene	**1**	**19.0634**	**20.2403**	**6**	**40**
Isopropylbenzene	**1**	**20.998**	**21.3956**	**1.9**	**30**
Cyclohexanone	1	145.8156	159.5676	9	30
Camphene	1	19.6017	21.1569	7.6	30
1,2,3-Trichloropropane	1	16.8754	18.0807	6.9	30
2-Chlorotoluene	1	19.6056	20.7218	5.5	30
p-Ethyltoluene	1	20.6415	20.3982	1.2	30
4-Chlorotoluene	1	19.2185	20.3999	6	30
n-Propylbenzene	1	21.2215	20.8393	1.8	40
Bromobenzene	1	18.995	19.4148	2.2	30
1,3,5-Trimethylbenzene	1	21.6975	20.6382	5	30
Butyl methacrylate	1	20.6608	19.9742	3.4	30
t-Butylbenzene	1	21.2694	21.1374	0.62	30
1,2,4-Trimethylbenzene	1	26.0999	21.4355	20	30
sec-Butylbenzene	1	21.0056	22.133	5.2	40
4-Isopropyltoluene	1	20.2989	21.7089	6.7	30
n-Butylbenzene	1	21.1436	21.5105	1.7	30
p-Diethylbenzene	1	23.5159	20.2031	15	30
1,2,4,5-Tetramethylbenzene	1	20.0883	19.2209	4.4	30
1,2-Dibromo-3-Chloropropane	**1**	**13.6308**	**17.385**	**24**	**30**
Camphor	1	131.5853	180.0396	31*	30
Hexachlorobutadiene	1	15.9828	18.7895	16	30
1,2,4-Trichlorobenzene	**1**	**14.0251**	**17.3028**	**21**	**30**
1,2,3-Trichlorobenzene	**1**	**12.5323**	**16.0617**	**25**	**30**
Naphthalene	1	21.0884	17.6837	18	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83267

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M128838.D	AD14811-008(MS:AD14811-006	12/30/2019 4:54:00 PM
Non Spike(If applicable):	1M128841.D	AD14811-006	12/30/2019 5:58:00 PM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.4524	0	20	132	50	150
Dichlorodifluoromethane	1	17.3274	0	20	87	50	150
Chloromethane	1	19.825	0	20	99	50	150
Bromomethane	1	16.0633	0	20	80	50	150
Vinyl Chloride	1	23.4965	0	20	117	50	150
Chloroethane	1	21.7606	0	20	109	50	150
Trichlorofluoromethane	1	24.0218	0	20	120	50	150
Ethyl ether	1	24.5786	0	20	123	50	150
Furan	1	25.1192	0	20	126	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	24.2793	0	20	121	50	150
Methylene Chloride	1	21.2128	0	20	106	70	130
Acrolein	1	87.5051	0	100	88	50	150
Acrylonitrile	1	23.6349	0	20	118	50	150
Iodomethane	1	16.0231	0	20	80	50	150
Acetone	1	123.4484	0	100	123	50	150
Carbon Disulfide	1	22.5321	0	20	113	50	150
t-Butyl Alcohol	1	102.3723	0	100	102	50	150
n-Hexane	1	22.4353	0	20	112	70	130
Di-isopropyl-ether	1	24.6969	0	20	123	70	130
1,1-Dichloroethene	1	25.1312	0	20	126	70	130
Methyl Acetate	1	22.1697	0	20	111	50	150
Methyl-t-butyl ether	1	20.3309	0	20	102	70	130
1,1-Dichloroethane	1	23.7124	0	20	119	70	130
trans-1,2-Dichloroethene	1	21.0452	0	20	105	70	130
Ethyl-t-butyl ether	1	21.5758	0	20	108	70	130
cis-1,2-Dichloroethene	1	23.1849	0	20	116	70	130
Bromochloromethane	1	25.5865	0	20	128	70	130
2,2-Dichloropropane	1	19.3574	0	20	97	70	130
Ethyl acetate	1	21.1987	0	20	106	50	150
1,4-Dioxane	1	1120.295	0	1000	112	50	150
1,1-Dichloropropene	1	23.0384	0	20	115	70	130
Chloroform	1	22.1673	0	20	111	70	130
Cyclohexane	1	24.6318	0	20	123	70	130
1,2-Dichloroethane	1	21.9404	0	20	110	70	130
2-Butanone	1	20.6622	0	20	103	50	150
1,1,1-Trichloroethane	1	22.5912	0	20	113	70	130
Carbon Tetrachloride	1	22.8793	0	20	114	50	150
Vinyl Acetate	1	23.0752	0	20	115	50	150
Bromodichloromethane	1	22.1898	0	20	111	70	130
Methylcyclohexane	1	22.6182	0	20	113	70	130
Dibromomethane	1	20.6641	0	20	103	70	130
1,2-Dichloropropane	1	23.2952	0	20	116	70	130
Trichloroethene	1	21.3348	0	20	107	70	130
Benzene	1	22.2441	0	20	111	70	130
tert-Amyl methyl ether	1	19.2789	0	20	96	70	130
Iso-propylacetate	1	23.2959	0	20	116	70	130
Methyl methacrylate	1	24.4837	0	20	122	70	130
Dibromochloromethane	1	22.7879	0	20	114	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	21.586	0	20	108	70	130
trans-1,3-Dichloropropene	1	21.5799	0	20	108	70	130
Ethyl methacrylate	1	24.9126	0	20	125	70	130
1,1,2-Trichloroethane	1	22.8925	0	20	114	70	130
1,2-Dibromoethane	1	22.6788	0	20	113	70	130
1,3-Dichloropropane	1	22.8659	0	20	114	70	130
4-Methyl-2-Pentanone	1	25.3611	0	20	127	50	150
2-Hexanone	1	25.1081	0	20	126	50	150
Tetrachloroethene	1	23.621	0	20	118	50	150
Toluene	1	22.7335	0	20	114	70	130
1,1,1,2-Tetrachloroethane	1	22.2464	0	20	111	70	130
Chlorobenzene	1	22.5372	0	20	113	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83267

Method: 8260C | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.144	0	20	121	70	130
n-Amyl acetate	1	25.1589	0	20	126	70	130
Bromoform	**1**	**21.6858**	**0**	**20**	**108**	**70**	**130**
Ethylbenzene	**1**	**22.174**	**0**	**20**	**111**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**23.7592**	**0**	**20**	**119**	**70**	**130**
Styrene	**1**	**22.6899**	**0**	**20**	**113**	**70**	**130**
m&p-Xylenes	**1**	**46.5235**	**0**	**40**	**116**	**70**	**130**
o-Xylene	**1**	**22.5647**	**0**	**20**	**113**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.3006	0	20	82	50	150
1,3-Dichlorobenzene	**1**	**23.1938**	**0**	**20**	**116**	**70**	**130**
1,4-Dichlorobenzene	**1**	**22.8449**	**0**	**20**	**114**	**70**	**130**
1,2-Dichlorobenzene	**1**	**22.161**	**0**	**20**	**111**	**70**	**130**
Isopropylbenzene	**1**	**22.973**	**0**	**20**	**115**	**70**	**130**
Cyclohexanone	1	107.2381	0	100	107	50	150
Camphene	1	4.0625	0	20	20*	70	130
1,2,3-Trichloropropane	1	22.8937	0	20	114	70	130
2-Chlorotoluene	1	24.7138	0	20	124	70	130
p-Ethyltoluene	1	22.6762	0	20	113	70	130
4-Chlorotoluene	1	25.6693	0	20	128	70	130
n-Propylbenzene	1	24.1959	0	20	121	70	130
Bromobenzene	1	20.6598	0	20	103	70	130
1,3,5-Trimethylbenzene	1	25.3538	0	20	127	70	130
Butyl methacrylate	1	22.5552	0	20	113	70	130
t-Butylbenzene	1	22.9979	0	20	115	70	130
1,2,4-Trimethylbenzene	1	24.2101	0	20	121	70	130
sec-Butylbenzene	1	24.2482	0	20	121	70	130
4-Isopropyltoluene	1	23.2154	0	20	116	70	130
n-Butylbenzene	1	24.4828	0	20	122	70	130
p-Diethylbenzene	1	22.3659	0	20	112	70	130
1,2,4,5-Tetramethylbenzene	1	21.9944	0	20	110	70	130
1,2-Dibromo-3-Chloropropane	**1**	**26.029**	**0**	**20**	**130**	**50**	**150**
Camphor	1	248.0657	0	200	124	20	150
Hexachlorobutadiene	1	22.943	0	20	115	50	150
1,2,4-Trichlorobenzene	**1**	**21.5749**	**0**	**20**	**108**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.0222**	**0**	**20**	**105**	**70**	**130**
Naphthalene	1	20.824	0	20	104	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83267

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M128839.D	AD14811-009(MSD:AD14811-0	12/30/2019 5:15:00 PM
Non Spike(If applicable):	1M128841.D	AD14811-006	12/30/2019 5:58:00 PM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	23.2832	0	20	116	50	150
Dichlorodifluoromethane	1	15.2837	0	20	76	50	150
Chloromethane	1	17.3645	0	20	87	50	150
Bromomethane	1	16.0744	0	20	80	50	150
Vinyl Chloride	1	20.9115	0	20	105	50	150
Chloroethane	1	19.983	0	20	100	50	150
Trichlorofluoromethane	1	21.8738	0	20	109	50	150
Ethyl ether	1	22.0358	0	20	110	50	150
Furan	1	22.6781	0	20	113	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.3651	0	20	107	50	150
Methylene Chloride	1	19.0767	0	20	95	70	130
Acrolein	1	79.7892	0	100	80	50	150
Acrylonitrile	1	21.8423	0	20	109	50	150
Iodomethane	1	17.0623	0	20	85	50	150
Acetone	1	117.8096	0	100	118	50	150
Carbon Disulfide	1	19.7741	0	20	99	50	150
t-Butyl Alcohol	1	93.4853	0	100	93	50	150
n-Hexane	1	19.7695	0	20	99	70	130
Di-isopropyl-ether	1	22.2863	0	20	111	70	130
1,1-Dichloroethene	1	22.1201	0	20	111	70	130
Methyl Acetate	1	19.6967	0	20	98	50	150
Methyl-t-butyl ether	1	18.912	0	20	95	70	130
1,1-Dichloroethane	1	20.7374	0	20	104	70	130
trans-1,2-Dichloroethene	1	18.9712	0	20	95	70	130
Ethyl-t-butyl ether	1	19.7021	0	20	99	70	130
cis-1,2-Dichloroethene	1	20.5035	0	20	103	70	130
Bromochloromethane	1	22.837	0	20	114	70	130
2,2-Dichloropropane	1	17.3616	0	20	87	70	130
Ethyl acetate	1	19.8742	0	20	99	50	150
1,4-Dioxane	1	1063.57	0	1000	106	50	150
1,1-Dichloropropene	1	20.1357	0	20	101	70	130
Chloroform	1	19.6824	0	20	98	70	130
Cyclohexane	1	22.0215	0	20	110	70	130
1,2-Dichloroethane	1	20.1099	0	20	101	70	130
2-Butanone	1	18.9078	0	20	95	50	150
1,1,1-Trichloroethane	1	20.0048	0	20	100	70	130
Carbon Tetrachloride	1	20.5421	0	20	103	50	150
Vinyl Acetate	1	20.8001	0	20	104	50	150
Bromodichloromethane	1	19.805	0	20	99	70	130
Methylcyclohexane	1	20.053	0	20	100	70	130
Dibromomethane	1	19.1073	0	20	96	70	130
1,2-Dichloropropane	1	20.9949	0	20	105	70	130
Trichloroethene	1	18.6414	0	20	93	70	130
Benzene	1	19.9333	0	20	100	70	130
tert-Amyl methyl ether	1	17.724	0	20	89	70	130
Iso-propylacetate	1	21.2296	0	20	106	70	130
Methyl methacrylate	1	21.4812	0	20	107	70	130
Dibromochloromethane	1	21.0303	0	20	105	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	19.8303	0	20	99	70	130
trans-1,3-Dichloropropene	1	19.7352	0	20	99	70	130
Ethyl methacrylate	1	22.5208	0	20	113	70	130
1,1,2-Trichloroethane	1	20.7995	0	20	104	70	130
1,2-Dibromoethane	1	20.512	0	20	103	70	130
1,3-Dichloropropane	1	20.9152	0	20	105	70	130
4-Methyl-2-Pentanone	1	23.2151	0	20	116	50	150
2-Hexanone	1	22.9407	0	20	115	50	150
Tetrachloroethene	1	20.8245	0	20	104	50	150
Toluene	1	20.5927	0	20	103	70	130
1,1,1,2-Tetrachloroethane	1	20.134	0	20	101	70	130
Chlorobenzene	1	20.1521	0	20	101	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83267

Method: 8260C | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.2208	0	20	111	70	130
n-Amyl acetate	1	23.1257	0	20	116	70	130
Bromoform	**1**	**20.3252**	**0**	**20**	**102**	**70**	**130**
Ethylbenzene	**1**	**19.9302**	**0**	**20**	**100**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.9108**	**0**	**20**	**110**	**70**	**130**
Styrene	**1**	**21.0593**	**0**	**20**	**105**	**70**	**130**
m&p-Xylenes	**1**	**43.1602**	**0**	**40**	**108**	**70**	**130**
o-Xylene	**1**	**20.748**	**0**	**20**	**104**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	15.648	0	20	78	50	150
1,3-Dichlorobenzene	**1**	**21.4094**	**0**	**20**	**107**	**70**	**130**
1,4-Dichlorobenzene	**1**	**21.3466**	**0**	**20**	**107**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.5866**	**0**	**20**	**103**	**70**	**130**
Isopropylbenzene	**1**	**20.9484**	**0**	**20**	**105**	**70**	**130**
Cyclohexanone	1	105.1224	0	100	105	50	150
Camphene	1	3.912	0	20	20*	70	130
1,2,3-Trichloropropane	1	21.0945	0	20	105	70	130
2-Chlorotoluene	1	22.3267	0	20	112	70	130
p-Ethyltoluene	1	21.2575	0	20	106	70	130
4-Chlorotoluene	1	23.6601	0	20	118	70	130
n-Propylbenzene	1	22.0441	0	20	110	70	130
Bromobenzene	1	19.0915	0	20	95	70	130
1,3,5-Trimethylbenzene	1	22.6003	0	20	113	70	130
Butyl methacrylate	1	22.4852	0	20	112	70	130
t-Butylbenzene	1	20.857	0	20	104	70	130
1,2,4-Trimethylbenzene	1	22.014	0	20	110	70	130
sec-Butylbenzene	1	22.23	0	20	111	70	130
4-Isopropyltoluene	1	21.3779	0	20	107	70	130
n-Butylbenzene	1	22.4102	0	20	112	70	130
p-Diethylbenzene	1	20.1767	0	20	101	70	130
1,2,4,5-Tetramethylbenzene	1	19.2059	0	20	96	70	130
1,2-Dibromo-3-Chloropropane	**1**	**24.1982**	**0**	**20**	**121**	**50**	**150**
Camphor	1	242.1324	0	200	121	20	150
Hexachlorobutadiene	1	21.3543	0	20	107	50	150
1,2,4-Trichlorobenzene	**1**	**21.0033**	**0**	**20**	**105**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.0955**	**0**	**20**	**105**	**70**	**130**
Naphthalene	1	20.7174	0	20	104	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74742.D	AD14842-002(T:MS)	1/2/2020 1:15:00 PM
Non Spike(If applicable):	11M74738.D	AD14842-002(T)	1/2/2020 11:44:00 AM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	17.6413	0	20	88	50	150
Dichlorodifluoromethane	1	7.4057	0	20	37*	50	150
Chloromethane	1	12.1521	0	20	61	50	150
Bromomethane	1	16.8308	0	20	84	50	150
Vinyl Chloride	1	14.3577	0	20	72	50	150
Chloroethane	1	18.2609	0	20	91	50	150
Trichlorofluoromethane	1	16.9408	0	20	85	50	150
Ethyl ether	1	17.4007	0	20	87	50	150
Furan	1	16.9272	0	20	85	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	14.9895	0	20	75	50	150
Methylene Chloride	1	72.7194	0	20	364*	70	130
Acrolein	1	44.6536	0	100	45*	50	150
Acrylonitrile	1	16.7142	0	20	84	50	150
Iodomethane	1	8.0183	0	20	40*	50	150
Acetone	1	103.3049	0	100	103	50	150
Carbon Disulfide	1	14.1366	0	20	71	50	150
t-Butyl Alcohol	1	53.5674	0	100	54	50	150
n-Hexane	1	15.3596	0	20	77	70	130
Di-isopropyl-ether	1	18.3663	0	20	92	70	130
1,1-Dichloroethene	1	16.3462	0	20	82	70	130
Methyl Acetate	1	11.8424	0	20	59	50	150
Methyl-t-butyl ether	1	17.444	0	20	87	70	130
1,1-Dichloroethane	1	17.1641	0	20	86	70	130
trans-1,2-Dichloroethene	1	16.1921	0	20	81	70	130
Ethyl-t-butyl ether	1	17.3141	0	20	87	70	130
cis-1,2-Dichloroethene	1	17.0903	0	20	85	70	130
Bromochloromethane	1	19.3479	0	20	97	70	130
2,2-Dichloropropane	1	17.2439	0	20	86	70	130
Ethyl acetate	1	14.606	0	20	73	50	150
1,4-Dioxane	1	296.0676	0	1000	30*	50	150
1,1-Dichloropropene	1	16.4029	0	20	82	70	130
Chloroform	1	16.8566	0	20	84	70	130
Cyclohexane	1	15.6392	0	20	78	70	130
1,2-Dichloroethane	1	17.885	0	20	89	70	130
2-Butanone	1	16.396	0	20	82	50	150
1,1,1-Trichloroethane	1	16.9859	0	20	85	70	130
Carbon Tetrachloride	1	17.168	0	20	86	50	150
Vinyl Acetate	1	7.302	0	20	37*	50	150
Bromodichloromethane	1	17.5708	0	20	88	70	130
Methylcyclohexane	1	16.5311	0	20	83	70	130
Dibromomethane	1	16.7968	0	20	84	70	130
1,2-Dichloropropane	1	17.053	0	20	85	70	130
Trichloroethene	1	27.4012	0	20	137*	70	130
Benzene	1	16.9232	0	20	85	70	130
tert-Amyl methyl ether	1	16.9547	0	20	85	70	130
Iso-propylacetate	1	35.8045	0	20	179*	70	130
Methyl methacrylate	1	13.6635	0	20	68*	70	130
Dibromochloromethane	1	14.1369	0	20	71	70	130
2-Chloroethylvinylether	1	10.9298	0	20	55*	70	130
cis-1,3-Dichloropropene	1	14.7014	0	20	74	70	130
trans-1,3-Dichloropropene	1	13.8037	0	20	69*	70	130
Ethyl methacrylate	1	13.8529	0	20	69*	70	130
1,1,2-Trichloroethane	1	14.3456	0	20	72	70	130
1,2-Dibromoethane	1	14.5791	0	20	73	70	130
1,3-Dichloropropane	1	14.2916	0	20	71	70	130
4-Methyl-2-Pentanone	1	16.3396	0	20	82	50	150
2-Hexanone	1	19.8458	0	20	99	50	150
Tetrachloroethene	1	13.4893	0	20	67	50	150
Toluene	1	14.6504	0	20	73	70	130
1,1,1,2-Tetrachloroethane	1	13.912	0	20	70	70	130
Chlorobenzene	1	13.885	0	20	69*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

Method: 8260C | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	12.8043	0	20	64*	70	130
n-Amyl acetate	1	14.804	0	20	74	70	130
Bromoform	1	13.4151	0	20	67*	70	130
Ethylbenzene	1	13.9463	0	20	70	70	130
1,1,2,2-Tetrachloroethane	1	2.6515	0	20	13*	70	130
Styrene	1	14.2156	0	20	71	70	130
m&p-Xylenes	1	28.2712	0	40	71	70	130
o-Xylene	1	14.3969	0	20	72	70	130
trans-1,4-Dichloro-2-butene	1	13.5942	0	20	68	50	150
1,3-Dichlorobenzene	1	13.5925	0	20	68*	70	130
1,4-Dichlorobenzene	1	13.204	0	20	66*	70	130
1,2-Dichlorobenzene	1	13.2859	0	20	66*	70	130
Isopropylbenzene	1	14.4284	0	20	72	70	130
Cyclohexanone	1	95.3436	0	100	95	50	150
Camphene	1	14.4086	0	20	72	70	130
1,2,3-Trichloropropane	1	13.2462	0	20	66*	70	130
2-Chlorotoluene	1	13.5467	0	20	68*	70	130
p-Ethyltoluene	1	14.1254	0	20	71	70	130
4-Chlorotoluene	1	13.3523	0	20	67*	70	130
n-Propylbenzene	1	14.0119	0	20	70	70	130
Bromobenzene	1	13.73	0	20	69*	70	130
1,3,5-Trimethylbenzene	1	15.0705	0	20	75	70	130
Butyl methacrylate	1	13.5836	0	20	68*	70	130
t-Butylbenzene	1	14.678	0	20	73	70	130
1,2,4-Trimethylbenzene	1	15.7224	0	20	79	70	130
sec-Butylbenzene	1	14.8139	0	20	74	70	130
4-Isopropyltoluene	1	14.4332	0	20	72	70	130
n-Butylbenzene	1	15.1644	0	20	76	70	130
p-Diethylbenzene	1	14.9008	0	20	75	70	130
1,2,4,5-Tetramethylbenzene	1	14.4734	0	20	72	70	130
1,2-Dibromo-3-Chloropropane	1	10.1827	0	20	51	50	150
Camphor	1	95.9721	0	200	48	20	150
Hexachlorobutadiene	1	13.8628	0	20	69	50	150
1,2,4-Trichlorobenzene	1	11.1032	0	20	56*	70	130
1,2,3-Trichlorobenzene	1	10.8451	0	20	54*	70	130
Naphthalene	1	11.3596	0	20	57	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M74740.D	AD14842-002(T:MSD)	1/2/2020 12:31:00 PM
Non Spike(If applicable):	11M74738.D	AD14842-002(T)	1/2/2020 11:44:00 AM
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.0366	0	20	100	50	150
Dichlorodifluoromethane	1	8.6021	0	20	43*	50	150
Chloromethane	1	13.8522	0	20	69	50	150
Bromomethane	1	18.1037	0	20	91	50	150
Vinyl Chloride	1	16.4766	0	20	82	50	150
Chloroethane	1	20.4987	0	20	102	50	150
Trichlorofluoromethane	1	19.2217	0	20	96	50	150
Ethyl ether	1	17.5289	0	20	88	50	150
Furan	1	18.7581	0	20	94	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	17.1396	0	20	86	50	150
Methylene Chloride	1	77.5988	0	20	388*	70	130
Acrolein	1	53.5238	0	100	54	50	150
Acrylonitrile	1	17.2347	0	20	86	50	150
Iodomethane	1	9.2485	0	20	46*	50	150
Acetone	1	113.9373	0	100	114	50	150
Carbon Disulfide	1	16.4624	0	20	82	50	150
t-Butyl Alcohol	1	87.3985	0	100	87	50	150
n-Hexane	1	18.2902	0	20	91	70	130
Di-isopropyl-ether	1	19.7803	0	20	99	70	130
1,1-Dichloroethene	1	18.9396	0	20	95	70	130
Methyl Acetate	1	14.7489	0	20	74	50	150
Methyl-t-butyl ether	1	17.6526	0	20	88	70	130
1,1-Dichloroethane	1	18.6504	0	20	93	70	130
trans-1,2-Dichloroethene	1	17.9871	0	20	90	70	130
Ethyl-t-butyl ether	1	17.5773	0	20	88	70	130
cis-1,2-Dichloroethene	1	18.7345	0	20	94	70	130
Bromochloromethane	1	19.5361	0	20	98	70	130
2,2-Dichloropropane	1	19.9167	0	20	100	70	130
Ethyl acetate	1	15.3981	0	20	77	50	150
1,4-Dioxane	1	837.0252	0	1000	84	50	150
1,1-Dichloropropene	1	18.3865	0	20	92	70	130
Chloroform	1	18.2382	0	20	91	70	130
Cyclohexane	1	18.1053	0	20	91	70	130
1,2-Dichloroethane	1	18.7234	0	20	94	70	130
2-Butanone	1	23.3957	0	20	117	50	150
1,1,1-Trichloroethane	1	19.2905	0	20	96	70	130
Carbon Tetrachloride	1	19.4836	0	20	97	50	150
Vinyl Acetate	1	8.0805	0	20	40*	50	150
Bromodichloromethane	1	18.5566	0	20	93	70	130
Methylcyclohexane	1	20.1336	0	20	101	70	130
Dibromomethane	1	17.3063	0	20	87	70	130
1,2-Dichloropropane	1	18.6027	0	20	93	70	130
Trichloroethene	1	25.9765	0	20	130	70	130
Benzene	1	18.7757	0	20	94	70	130
tert-Amyl methyl ether	1	17.0707	0	20	85	70	130
Iso-propylacetate	1	34.0604	0	20	170*	70	130
Methyl methacrylate	1	13.1501	0	20	66*	70	130
Dibromochloromethane	1	14.7656	0	20	74	70	130
2-Chloroethylvinylether	1	10.4653	0	20	52*	70	130
cis-1,3-Dichloropropene	1	15.3387	0	20	77	70	130
trans-1,3-Dichloropropene	1	14.4127	0	20	72	70	130
Ethyl methacrylate	1	15.2161	0	20	76	70	130
1,1,2-Trichloroethane	1	15.0429	0	20	75	70	130
1,2-Dibromoethane	1	15.3267	0	20	77	70	130
1,3-Dichloropropane	1	14.9117	0	20	75	70	130
4-Methyl-2-Pentanone	1	16.2479	0	20	81	50	150
2-Hexanone	1	20.5426	0	20	103	50	150
Tetrachloroethene	1	15.3642	0	20	77	50	150
Toluene	1	16.4221	0	20	82	70	130
1,1,1,2-Tetrachloroethane	1	15.5027	0	20	78	70	130
Chlorobenzene	1	15.3896	0	20	77	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83286

Method: 8260C | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	14.529	0	20	73	70	130
n-Amyl acetate	1	15.9178	0	20	80	70	130
Bromoform	1	13.673	0	20	68*	70	130
Ethylbenzene	1	15.3717	0	20	77	70	130
1,1,2,2-Tetrachloroethane	1	7.6519	0	20	38*	70	130
Styrene	1	15.5796	0	20	78	70	130
m&p-Xylenes	1	31.5952	0	40	79	70	130
o-Xylene	1	15.9364	0	20	80	70	130
trans-1,4-Dichloro-2-butene	1	13.35	0	20	67	50	150
1,3-Dichlorobenzene	1	15.5423	0	20	78	70	130
1,4-Dichlorobenzene	1	15.0464	0	20	75	70	130
1,2-Dichlorobenzene	1	15.4433	0	20	77	70	130
Isopropylbenzene	1	16.2019	0	20	81	70	130
Cyclohexanone	1	144.6284	0	100	145	50	150
Camphene	1	17.4582	0	20	87	70	130
1,2,3-Trichloropropane	1	13.414	0	20	67*	70	130
2-Chlorotoluene	1	15.3252	0	20	77	70	130
p-Ethyltoluene	1	16.1022	0	20	81	70	130
4-Chlorotoluene	1	15.305	0	20	77	70	130
n-Propylbenzene	1	15.7578	0	20	79	70	130
Bromobenzene	1	14.5644	0	20	73	70	130
1,3,5-Trimethylbenzene	1	16.968	0	20	85	70	130
Butyl methacrylate	1	14.7937	0	20	74	70	130
t-Butylbenzene	1	16.7804	0	20	84	70	130
1,2,4-Trimethylbenzene	1	18.2648	0	20	91	70	130
sec-Butylbenzene	1	17.8991	0	20	89	70	130
4-Isopropyltoluene	1	17.4008	0	20	87	70	130
n-Butylbenzene	1	18.3262	0	20	92	70	130
p-Diethylbenzene	1	18.1263	0	20	91	70	130
1,2,4,5-Tetramethylbenzene	1	16.9922	0	20	85	70	130
1,2-Dibromo-3-Chloropropane	1	12.8139	0	20	64	50	150
Camphor	1	147.5115	0	200	74	20	150
Hexachlorobutadiene	1	15.1402	0	20	76	50	150
1,2,4-Trichlorobenzene	1	13.3157	0	20	67*	70	130
1,2,3-Trichlorobenzene	1	12.5248	0	20	63*	70	130
Naphthalene	1	15.8184	0	20	79	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83278

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M128893.D	AD14770-014(MS)	12/31/2019 2:53:00 PM
Non Spike(If applicable):	1M128881.D	AD14770-014	12/31/2019 10:51:00 A
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	27.3952	0	20	137	50	150
Dichlorodifluoromethane	1	15.5186	0	20	78	50	150
Chloromethane	1	20.5105	0	20	103	50	150
Bromomethane	1	21.6743	0	20	108	50	150
Vinyl Chloride	1	22.9175	0	20	115	50	150
Chloroethane	1	21.7358	0	20	109	50	150
Trichlorofluoromethane	1	23.9334	0	20	120	50	150
Ethyl ether	1	24.1991	0	20	121	50	150
Furan	1	25.7676	0	20	129	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	23.5754	0	20	118	50	150
Methylene Chloride	1	21.3406	0	20	107	70	130
Acrolein	1	89.0477	0	100	89	50	150
Acrylonitrile	1	23.6594	0	20	118	50	150
Iodomethane	1	18.4628	0	20	92	50	150
Acetone	1	123.6	0	100	124	50	150
Carbon Disulfide	1	22.6636	0	20	113	50	150
t-Butyl Alcohol	1	100.1385	0	100	100	50	150
n-Hexane	1	23.6977	0	20	118	70	130
Di-isopropyl-ether	1	24.4992	0	20	122	70	130
1,1-Dichloroethene	1	25.3605	0	20	127	70	130
Methyl Acetate	1	22.9526	0	20	115	50	150
Methyl-t-butyl ether	1	20.3803	0	20	102	70	130
1,1-Dichloroethane	1	23.4095	0	20	117	70	130
trans-1,2-Dichloroethene	1	21.0031	0	20	105	70	130
Ethyl-t-butyl ether	1	21.5437	0	20	108	70	130
cis-1,2-Dichloroethene	1	23.0573	0	20	115	70	130
Bromochloromethane	1	25.7731	0	20	129	70	130
2,2-Dichloropropane	1	20.8353	0	20	104	70	130
Ethyl acetate	1	22.9321	0	20	115	50	150
1,4-Dioxane	1	1141.161	0	1000	114	50	150
1,1-Dichloropropene	1	22.8577	0	20	114	70	130
Chloroform	1	22.2365	0	20	111	70	130
Cyclohexane	1	25.0103	0	20	125	70	130
1,2-Dichloroethane	1	22.119	0	20	111	70	130
2-Butanone	1	21.0875	0	20	105	50	150
1,1,1-Trichloroethane	1	22.1873	0	20	111	70	130
Carbon Tetrachloride	1	22.7069	0	20	114	50	150
Vinyl Acetate	1	24.094	0	20	120	50	150
Bromodichloromethane	1	21.8972	0	20	109	70	130
Methylcyclohexane	1	23.0838	0	20	115	70	130
Dibromomethane	1	21.2679	0	20	106	70	130
1,2-Dichloropropane	1	23.1769	0	20	116	70	130
Trichloroethene	1	21.4573	0	20	107	70	130
Benzene	1	22.35	0	20	112	70	130
tert-Amyl methyl ether	1	19.4325	0	20	97	70	130
Iso-propylacetate	1	23.7757	0	20	119	70	130
Methyl methacrylate	1	23.8682	0	20	119	70	130
Dibromochloromethane	1	22.1014	0	20	111	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	21.4982	0	20	107	70	130
trans-1,3-Dichloropropene	1	21.6573	0	20	108	70	130
Ethyl methacrylate	1	25.121	0	20	126	70	130
1,1,2-Trichloroethane	1	22.2493	0	20	111	70	130
1,2-Dibromoethane	1	21.9357	0	20	110	70	130
1,3-Dichloropropane	1	22.7245	0	20	114	70	130
4-Methyl-2-Pentanone	1	24.7698	0	20	124	50	150
2-Hexanone	1	24.6695	0	20	123	50	150
Tetrachloroethene	1	22.0612	0	20	110	50	150
Toluene	1	22.6093	0	20	113	70	130
1,1,1,2-Tetrachloroethane	1	21.3929	0	20	107	70	130
Chlorobenzene	1	22.2573	0	20	111	70	130

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83278

Method: 8260C | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.618	0	20	118	70	130
n-Amyl acetate	1	25.8474	0	20	129	70	130
Bromoform	1	21.1171	0	20	106	70	130
Ethylbenzene	1	21.2303	0	20	106	70	130
1,1,2,2-Tetrachloroethane	1	22.6458	0	20	113	70	130
Styrene	1	22.4615	0	20	112	70	130
m&p-Xylenes	1	45.8082	0	40	115	70	130
o-Xylene	1	21.7617	0	20	109	70	130
trans-1,4-Dichloro-2-butene	1	19.7845	0	20	99	50	150
1,3-Dichlorobenzene	1	22.6672	0	20	113	70	130
1,4-Dichlorobenzene	1	22.3999	0	20	112	70	130
1,2-Dichlorobenzene	1	21.9723	0	20	110	70	130
Isopropylbenzene	1	22.5366	0	20	113	70	130
Cyclohexanone	1	100.1848	0	100	100	50	150
Camphene	1	11.6729	0	20	58*	70	130
1,2,3-Trichloropropane	1	21.6631	0	20	108	70	130
2-Chlorotoluene	1	23.543	0	20	118	70	130
p-Ethyltoluene	1	22.7443	0	20	114	70	130
4-Chlorotoluene	1	24.4606	0	20	122	70	130
n-Propylbenzene	1	23.5449	0	20	118	70	130
Bromobenzene	1	20.9383	0	20	105	70	130
1,3,5-Trimethylbenzene	1	24.3769	0	20	122	70	130
Butyl methacrylate	1	21.7391	0	20	109	70	130
t-Butylbenzene	1	22.5008	0	20	113	70	130
1,2,4-Trimethylbenzene	1	23.6765	0	20	118	70	130
sec-Butylbenzene	1	23.8236	0	20	119	70	130
4-Isopropyltoluene	1	23.0705	0	20	115	70	130
n-Butylbenzene	1	24.1492	0	20	121	70	130
p-Diethylbenzene	1	22.0102	0	20	110	70	130
1,2,4,5-Tetramethylbenzene	1	20.4602	0	20	102	70	130
1,2-Dibromo-3-Chloropropane	1	24.9277	0	20	125	50	150
Camphor	1	241.3996	0	200	121	20	150
Hexachlorobutadiene	1	23.1417	0	20	116	50	150
1,2,4-Trichlorobenzene	1	21.4691	0	20	107	70	130
1,2,3-Trichlorobenzene	1	20.8644	0	20	104	70	130
Naphthalene	1	19.8743	0	20	99	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83278

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M128894.D	AD14770-014(MSD)	12/31/2019 3:14:00 PM
Non Spike(If applicable):	1M128881.D	AD14770-014	12/31/2019 10:51:00 A
Inst Blank(If applicable):			

Method: 8260C Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	23.6129	0	20	118	50	150
Dichlorodifluoromethane	1	13.4797	0	20	67	50	150
Chloromethane	1	17.7231	0	20	89	50	150
Bromomethane	1	19.0471	0	20	95	50	150
Vinyl Chloride	1	19.8883	0	20	99	50	150
Chloroethane	1	19.1162	0	20	96	50	150
Trichlorofluoromethane	1	20.9646	0	20	105	50	150
Ethyl ether	1	21.9623	0	20	110	50	150
Furan	1	22.6888	0	20	113	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.5124	0	20	103	50	150
Methylene Chloride	1	19.0999	0	20	95	70	130
Acrolein	1	80.6601	0	100	81	50	150
Acrylonitrile	1	21.9165	0	20	110	50	150
Iodomethane	1	17.7082	0	20	89	50	150
Acetone	1	113.4158	0	100	113	50	150
Carbon Disulfide	1	19.011	0	20	95	50	150
t-Butyl Alcohol	1	93.5757	0	100	94	50	150
n-Hexane	1	20.3834	0	20	102	70	130
Di-isopropyl-ether	1	22.416	0	20	112	70	130
1,1-Dichloroethene	1	22.1927	0	20	111	70	130
Methyl Acetate	1	21.0163	0	20	105	50	150
Methyl-t-butyl ether	1	18.7463	0	20	94	70	130
1,1-Dichloroethane	1	20.7997	0	20	104	70	130
trans-1,2-Dichloroethene	1	18.7866	0	20	94	70	130
Ethyl-t-butyl ether	1	19.807	0	20	99	70	130
cis-1,2-Dichloroethene	1	20.5749	0	20	103	70	130
Bromochloromethane	1	23.2388	0	20	116	70	130
2,2-Dichloropropane	1	18.3586	0	20	92	70	130
Ethyl acetate	1	19.5031	0	20	98	50	150
1,4-Dioxane	1	1028.512	0	1000	103	50	150
1,1-Dichloropropene	1	20.0499	0	20	100	70	130
Chloroform	1	19.858	0	20	99	70	130
Cyclohexane	1	22.0103	0	20	110	70	130
1,2-Dichloroethane	1	20.4399	0	20	102	70	130
2-Butanone	1	19.5006	0	20	98	50	150
1,1,1-Trichloroethane	1	19.8778	0	20	99	70	130
Carbon Tetrachloride	1	20.4539	0	20	102	50	150
Vinyl Acetate	1	21.9401	0	20	110	50	150
Bromodichloromethane	1	20.1403	0	20	101	70	130
Methylcyclohexane	1	20.9692	0	20	105	70	130
Dibromomethane	1	19.272	0	20	96	70	130
1,2-Dichloropropane	1	21.1955	0	20	106	70	130
Trichloroethene	1	18.6775	0	20	93	70	130
Benzene	1	19.9318	0	20	100	70	130
tert-Amyl methyl ether	1	17.6783	0	20	88	70	130
Iso-propylacetate	1	21.6926	0	20	108	70	130
Methyl methacrylate	1	21.8919	0	20	109	70	130
Dibromochloromethane	1	20.0761	0	20	100	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	19.4946	0	20	97	70	130
trans-1,3-Dichloropropene	1	19.9687	0	20	100	70	130
Ethyl methacrylate	1	22.8709	0	20	114	70	130
1,1,2-Trichloroethane	1	20.6502	0	20	103	70	130
1,2-Dibromoethane	1	20.2108	0	20	101	70	130
1,3-Dichloropropane	1	20.8473	0	20	104	70	130
4-Methyl-2-Pentanone	1	23.2251	0	20	116	50	150
2-Hexanone	1	22.0144	0	20	110	50	150
Tetrachloroethene	1	19.7152	0	20	99	50	150
Toluene	1	20.1016	0	20	101	70	130
1,1,1,2-Tetrachloroethane	1	20.2713	0	20	101	70	130
Chlorobenzene	1	20.1064	0	20	101	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS83278

Method: 8260C | Matrix: Aqueous | QC Type: MSD

Analyte	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.2251	0	20	111	70	130
n-Amyl acetate	1	24.4627	0	20	122	70	130
Bromoform	1	19.6531	0	20	98	70	130
Ethylbenzene	1	19.6454	0	20	98	70	130
1,1,2,2-Tetrachloroethane	1	21.1364	0	20	106	70	130
Styrene	1	20.5162	0	20	103	70	130
m&p-Xylenes	1	41.778	0	40	104	70	130
o-Xylene	1	20.1144	0	20	101	70	130
trans-1,4-Dichloro-2-butene	1	17.7852	0	20	89	50	150
1,3-Dichlorobenzene	1	20.6298	0	20	103	70	130
1,4-Dichlorobenzene	1	20.7986	0	20	104	70	130
1,2-Dichlorobenzene	1	20.5059	0	20	103	70	130
Isopropylbenzene	1	20.5748	0	20	103	70	130
Cyclohexanone	1	91.5814	0	100	92	50	150
Camphene	1	8.7304	0	20	44*	70	130
1,2,3-Trichloropropane	1	20.6463	0	20	103	70	130
2-Chlorotoluene	1	21.3606	0	20	107	70	130
p-Ethyltoluene	1	20.6122	0	20	103	70	130
4-Chlorotoluene	1	22.3943	0	20	112	70	130
n-Propylbenzene	1	21.272	0	20	106	70	130
Bromobenzene	1	19.4344	0	20	97	70	130
1,3,5-Trimethylbenzene	1	22.4483	0	20	112	70	130
Butyl methacrylate	1	20.2985	0	20	101	70	130
t-Butylbenzene	1	20.3037	0	20	102	70	130
1,2,4-Trimethylbenzene	1	21.5459	0	20	108	70	130
sec-Butylbenzene	1	21.7076	0	20	109	70	130
4-Isopropyltoluene	1	20.9694	0	20	105	70	130
n-Butylbenzene	1	22.2114	0	20	111	70	130
p-Diethylbenzene	1	20.0863	0	20	100	70	130
1,2,4,5-Tetramethylbenzene	1	19.1704	0	20	96	70	130
1,2-Dibromo-3-Chloropropane	1	23.1356	0	20	116	50	150
Camphor	1	236.2459	0	200	118	20	150
Hexachlorobutadiene	1	21.1657	0	20	106	50	150
1,2,4-Trichlorobenzene	1	20.1984	0	20	101	70	130
1,2,3-Trichlorobenzene	1	20.6059	0	20	103	70	130
Naphthalene	1	20.3678	0	20	102	50	150

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Hampton-Clarke
Analytical & Field Services

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